

BOOKS 2025-2026**Department of Biological Science and Bioengineering**

S. No.	Book Title	Author(s)	Publisher	Year	Place	ISBN
1	Engineered Nanomaterials in Food and Drugs: From Laboratory to Market	Misra S.K.; Wangoo N.; Khare S.	Jenny Stanford Publishing	2025	New Delhi	978-981512952-6

Humanities and Social Sciences

2	Digital Human Finance: Exploring Embeddedness, Inclusion and Social Realities	Brolos A.; Taylor E.B.; Sam J. S.; Venkatraman S.	Edward Elgar Publishing	2026	Cheltenham, UK	978 -1 03534 492 -5
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Management Sciences

3	Data Science for Modeling Managerial and Socioeconomic Problems	Faiz Hamid	Springer	2026	Singapore	978-981-97-9060-9
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Mechanical Engineering

4	Polymer Electrolyte Membranes for Fuel Cell Devices: Materials, Challenges, and Future Prospects	Kar K. K.; Banerjee S.; Mordina B.	CRC Press	2026	New Delhi	978-103285483-0
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BOOK CHAPTER 2025-2026**Aerospace Engineering**

S. No.	Book Title	Author(s)	Publisher	Year	Page numbers (start to end)	ISBN
1	The Effect of Initial Conditions on Hydrogen-Air-Diluent Detonations	Singh R.K., Dahake A., Karthik A.S., Singh A.V.		2026		978-981-95-3697-9

2	Numerical Investigation of the Inhibition of Hydrogen-Air Detonations Using Trimethyl Phosphate and Dimethyl Methyl Phosphonate	Dahake A., Karthik A.S., Singh R.K., Singh A.V.		2026		978-981-95-3697-9
3	Numerical Study of Ozone Sensitization and its Influence on the Detonation Wave Structure	Karthik A.S., Singh R.K., Dahake A., Singh A.V.		2026		
4	Experimental and Numerical Investigation of Soot Particle Size Distribution Functions in Premixed Burner-Stabilized Stagnation Flames	Thaviti S.R., Singh A.V.		2026		978-981-95-3697-9
5	Effect of Freestream Turbulence on Global Flame Geometry, Mass Burning Rate, and Puffing Frequency in Wind-Driven Boundary-Layer Flames	Srivastava A., Singh A.V.		2026		978-981-95-3697-9
6	Experimental Study on the Effect of Varying Unheated Starting Segment on the Mass Burning Rate of Turbulent Wind-Driven	Sandeep B.V., Srivastava A., Singh A.V.		2026		978-981-95-3697-9

7	Investigating the Chemical Length Scales of Fuel-Sensitized Hydrogen-air Detonations	Singh R.K., Dahake A., Karthik A., Singh A.V.		2026		
8	Detonation Cell Size Correlation for Hydrogen-Oxygen Mixtures	Dahake A., Singh R.K., Singh, A. V.		2026		
9	Understanding the Behavior of Coherent Flame Streaks in Turbulent Boundary-layer Flames	Srivastava A., Singh A.V.		2026		
10	Distribution of Local Heat Fluxes in Turbulent Wind-Driven Fires	Sandeep B.V., Srivastava A., Singh A.V.		2026		
11	Numerical Investigation on the Effect of Ozone Addition on Detonation Wave Structure Using Detailed Fuel Chemistry Model	Karthik A.S., Singh R.K., Dahake A., Singh A.V.		2026		
12	Assessment of Detonation Parameters of H ₂ -O ₂ /air Detonations in the Combined Presence of Inert Diluents and Ignition Promoters	Singh R.K., Dahake A., Singh A.V.		2026		
13	Local Mass Burning Rate Correlation for Turbulent Boundary Layer Diffusion Flames Stabilized over a Condensed Fuel Surface	Srivastava A., Singh A.V.		2026		

Biological Sciences and Bioengineering

14	Materials and Methods of Synthesizing Silica-Based Nanomaterials Used for Food and Drug Applications	Dohare A.;Misra S.K.		2025	181-210	978-100361881-2
15	Methods to Prepare Polymeric Nanoparticles for Applications in the Field of Food and Drugs	Santra T.;Misra S.K.		2025	41-81	978-100361881-2
16	Materials and Methods for Preparation of Pharmaceutical and Food Industry- Grade Lipid-Based Nanoparticles	Kumar K.;Santra T.;Misra S.K.		2025	Jan-40	978-100361881-2
17	Approaches for the Synthesis of Carbon Nanoparticles and Their Variants for Use in Food and Healthcare	Kumar P.;Chatterjee N.;Rai S.;Misra S.K.		2025	83-123	978-100361881-2

Chemical Engineering

18	Carbon Dioxide Capture and Utilisation in Steel Industry	Raghavendra Ragipani; Anshika		2026		978-981-96-7294-3
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Economic Sciences

19	Green bond ecosystem and clean energy financing in ASEAN	Ahmad W.;Sahoo D.P.;Kaur M.		2025	165-191	
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Humanities and Social Sciences

20	The 'High Seriousness' of Comedy: Stand-Up Comedy and the Tradition of Dissent	Chandran M.		2025	36-47	978-104128205-1
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21	Breaking the code in the neo-liberal economy: Gender bias and segregation in the software industry in post-independent state	Chatterjee E.		2026	68-73	978-1041292326
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Management Sciences

22	Decarbonizing India's Steel Sector: Green Steel—in Need of Timely and Far-Sighted Policies to Attract Investment	Prasad, M., Ahuja, A.		2025	99-109	978-981-96-7294-3
23	Identifying Determinants for Generative AI-Enabled Cloud Platform Adoption in SMEs	Pathak A.;Bansal V.		2026	93-112	978-981-95-5440-9

Materials Science and Engineering

24	Ceramics From Recycled Materials and Recycled Ceramics	Sharma N.;Gupta A.;Narayan R.L.;Jha S.K.		2026	59-76	978-100373167-2
25	Nanoceramics and Their Environmental Applications	Sharma N.;Gupta A.;Narayan R.L.;Jha S.K.		2026	29-58	978-100373167-2

Mechanical Engineering

26	Thermodynamics of Atmospheric Water Harvesting	Das M.K.		2026	17-40	978-981-95-3372-5
27	Fog Harvesting	Goswami S.;Das M.K.		2026	129-174	978-981-95-3372-5
28	Solar Thermal Water Purification System	Kulshrestha T.;Das M.K.		2026	175-220	978-981-95-3372-5

CONFERENCE 2025-2026

Aerospace Engineering

S. No.	Conference Name	Conference Title	Author(s)	Volume	Year	Page numbers (start to end)
1	The 16th International Conference on Fire Science and Engineering (Interflam 2025)	Characterization of Flame Geometry in Turbulent Wind-Driven Flames	Srivastava A.; Singh A.V.		2025	
2	The 16th International Conference on Fire Science and Engineering (Interflam 2025)	Effect of Unheated Starting Segment on Streak Behavior in Turbulent Boundary-Layer Flames	Sandeep B.V.; Srivastava A.; Singh A.V.		2025	
3	The 15th Asia-Pacific Conference on Combustion (ASPACC 2025)	Experimental Study of Detonation Wave Structure in the Presence of Inert Diluents	Singh R.K.; Dahake A.; Karthik A.S.; Singh A.V.		2025	
4	The 15th Asia-Pacific Conference on Combustion (ASPACC 2025)	Investigating the Effect of Ozonolysis on Ethylene - Oxygen Detonations	Dahake A.; Karthik A.S.; Singh R.K.; Singh A.V.		2025	
5	The 15th Asia-Pacific Conference on Combustion (ASPACC 2025)	Experimental Study of the Morphological Characteristics of Wind-Driven Flames under the Influence of Freestream Turbulence	Srivastava A.; Singh A.V.		2025	
6	The 15th Asia-Pacific Conference on Combustion (ASPACC 2025)	Experimental Study of Streak Behavior of Turbulent Wind-Driven Flames with Varying Unheated Starting Lengths	Sandeep B.V.; Srivastava A.; Singh A.V.		2025	
7	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	The Effect of Initial Conditions on Hydrogen-Air-Diluent Detonations	Singh R.K.; Dahake A.; Karthik A.S.; Singh A.V.		2025	

8	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	Numerical Investigation of the Inhibition of Hydrogen-Air Detonations Using Trimethyl Phosphate and Dimethyl Methyl Phosphonate	Dahake A.; Karthik A.S.; Singh R.K.; Singh A.V.		2025	
9	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	Numerical Study of Ozone Sensitization and its Influence on the Detonation Wave Structure	Karthik A.S.; Singh R.K.; Dahake A.; Singh A.V.		2025	
10	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	Experimental and Numerical Investigation of Soot Particle Size Distribution Functions in Premixed Burner-Stabilized Stagnation Flames	Thaviti S.R.; Singh A.V.		2025	
11	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	Effect of Freestream Turbulence on Global Flame Geometry, Mass Burning Rate, and Puffing Frequency in Wind-Driven Boundary-Layer Flames	Srivastava A.; Singh A.V.		2025	
12	The 6th International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2025)	Experimental Study on the Effect of Varying Unheated Starting Segment on the Mass Burning Rate of Turbulent Wind-Driven Flames	Sandeep B.V.; Srivastava A.; Singh A.V.		2025	
13	30th International Colloquium on the Dynamics of Explosions and Reactive Systems "(30th ICDERS)	Enhancing the Lean Detonability Limit of Hydrogen-Oxygen Detonations using Ozone	Singh R.K.; Dahake A.; Karthik A.S.; Singh A.V.		2025	

14	30th International Colloquium on the Dynamics of Explosions and Reactive Systems (30th ICDERS)	Experimental and Numerical Analysis of the Cellular Detonation Structure for Ethylene-Oxygen Mixtures	Dahake A.; Karthik, A.S.; Singh R. K.; Singh A.V.		2025	
15	30th International Colloquium on the Dynamics of Explosions and Reactive Systems (30th ICDERS)	Inhibition of Hydrogen-air Detonations using Organophosphorus Compounds	Dahake A.; Karthik A.S.; Singh R.K.; Singh A.V.		2025	
16	30th International Colloquium on the Dynamics of Explosions and Reactive Systems (30th ICDERS)	Effect of Ozone Addition on the Detonation Wave Structure of Ethylene-Oxygen Systems	Karthik, A.S.; Dahake A.; Singh R.K.; Singh A.V.		2025	
17	30th International Colloquium on the Dynamics of Explosions and Reactive Systems (30th ICDERS)	Numerical Modeling of Vibrational Non-Equilibrium Detonations in Hydrogen-Oxygen Mixtures	Hussain M.; Dahake A.; Karthik A.S.; Singh R.K.; Singh A.V.		2025	
18	Aip Conference Proceedings	Assessment of Numerical Schemes for Flow Over Hypersonic Double Cone	Ray A.A.;De A.		2025	
19	Aip Conference Proceedings	Investigation of the Effect of Corner Radius on Convective Heating of Large Angle Blunt Cone	Bhaduri S.;De A.;Sugarno M.I.;Desikan S.L.		2025	
20	Lecture Notes in Mechanical Engineering	Effect of Flame Temperature and Particle Residence Time on Soot Characteristics in Numerically Simulated Laminar Premixed Ethylene Stagnation Flames	Thaviti S.R.;Singh A.V.		2026	295-305

21	AIAA Science and Technology Forum and Exposition AIAA Scitech Forum 2026	Vertical-axis wind turbine clusters: Effect of Streamwise spacing, Number of blades and Angle of 6-turbine clusters	Banda P.;Prasad D.V.G.;Verma M.;De A.		2026	
22	30th International Colloquium on the Dynamics of Explosions and Reactive Systems (ICDERS)	Enhancing the Lean Detonability Limit of Hydrogen-Oxygen Detonations using Ozone	Singh, R.K., Dahake, A., Karthik A., Singh, Ajay V.		2025	
23	27th Conference of the International Society for Air Breathing Engines	Effect of Mixture Composition and Dilution on the Structure of Hydrogen-Oxygen Detonations	Singh, R.K., Dahake, A., Karthik A., Singh, Ajay V.		2026	
24	27th Conference of the International Society for Air Breathing Engines	Influence of Ozonolysis-Induced Mixture Pretreatment on Ethylene–Oxygen–Ozone Detonations	Dahake, A., Singh, R.K., Karthik A., Singh, Ajay V.		2026	
25	27th Conference of the International Society for Air Breathing Engines	Numerical Investigation of Detonation Wave Dynamics in Ozonated Ethylene-Oxygen Mixtures	Karthik A. S., Dahake A., Singh R.K., Singh, Ajay V.		2026	
26	27th Conference of the International Society for Air Breathing Engines	Experimental and Numerical Investigation of Soot Formation in Jet Fuel Doped Stretch Stabilized Ethylene Stagnation Flame	Thaviti S.R., Singh A.V.		2026	
27	41st International Symposium on Combustion	Characterization of mass burning rate for turbulent wind-driven flames with varying unheated segments	Srivastava A., Sandeep B.V., Singh A.V.		2026	
28	41st International Symposium on Combustion	Downstream heat flux behavior in turbulent wind-driven boundary-layer flames	Srivastava A., Sandeep B.V., Singh A.V.		2026	

29	41st International Symposium on Combustion	Numerical Modeling of Vibrational Nonequilibrium in Hydrogen-Oxygen Detonations,	Dahake A., Hussain M., Karthik A.S., Singh R.K., Singh A.V.		2026	
30	41st International Symposium on Combustion	Effect of ozone sensitization on hotspot formation in deflagration-to-detonation transition in obstacle laden channel	Karthik A. S., Dahake A., Singh A.V.		2026	
31	41st International Symposium on Combustion	Understanding the Effect of a Reversible Nucleation Model on Soot Formation in Stretch-Stabilized Stagnation Flames	Thaviti S.R., Singh A.V.		2026	
32	AIAA Science and Technology Forum and Exposition AIAA Scitech Forum 2026	A Multidisciplinary Design, Analysis, and Optimization (MDAO) Framework for Conceptual UAV Design	Jitendra J.P.;Abhishek		2026	

Chemical Engineering

33	IFAC Papersonline	A Non-linear PI Averaging Level Controller for Plantwide Systems	Gupta A.;Kaistha N.		2025	564-569
34	IFAC Papersonline	Systematic Tuning of PI Averaging Level Control for Recycle Systems	Gupta A.;Srivastava P.;Kaistha N.		2025	421-426
35	EPJ Web of Conferences	Growth of a wet agglomerate rolling down an inclined granular bed	Jain S.;Tripathi A.;Chakraborty J.;Kumar J.		2025	
36	EPJ Web of Conferences	Continuum simulation of granular flow in a rotating cylinder	Chanda S.;Kumawat S.;Tiwari A.;Ranjan R.;Tripathi A.		2025	

37	EPJ Web of Conferences	Transient size segregation of binary granular mixtures	Kumawat S.;Tripathi A.		2025	
38	EPJ Web of Conferences	Rheology of high speed granular flows in presence and absence of air	Patro S.;De T.;Tripathi A.		2025	
39	EPJ Web of Conferences	Rheological study of granular flows through a hopper: A comparative study	Patro S.;Gupta V.;Tripathi A.		2025	

Chemistry

40	ACS Fall 2025	Solvent effect on multiple emission and femtosecond dynamics of higher-lying excited states: Evidence of microheterogeneity induced coherent oscillations	Debabrata Goswami		2025	
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Civil Engineering

41	ISPRS Annals of the Photogrammetry Remote Sensing and Spatial Information Sciences	Enhancing Road Infrastructure Quality Assessment Through Low-Cost Inertial Sensors	Singh T.;Garg K.;Goel S.		2025	839-846
42	Cods Comad 2024 Proceedings of the 8th Jpint International Conference on Data Science and Management of Data	Forecasting of Fog Index and Prediction Interval using Bayesian Methods	Bajaj K.;Mannam U.;Deshpande P.;Patil Y.;Bhattacharya A.;Tripathi S.		2025	270-278
43	International Archives of the Photogrammetry Remote Sensing and Spatial Information Sciences ISPRS Archives	Low-Cost LiDAR Mapping on Bicycles for Urban Road and Sidewalk Detection	Bhatia T.;Goel S.;Medury A.		2025	197-204

44	E3s Web of Conferences	Pullout capacity of plate anchor in unsaturated frictional soil using particle size-based soil water retention curve	Bakna G.;Sahoo J.P.		2025	
45	EPJ Web of Conferences	Combined effects of particle shape and strain rate on the ring shear response of granular soil	Chowdhury S.;Das A.		2025	
46	EPJ Web of Conferences	Cyclic loading effects on flexible-bonded soft-rigid granular mixes	Alam M.;Das A.;Disfani M.M.		2025	
47	SAE Technical Papers	Realistic LiDAR Data Simulation for Autonomous Systems using Physics-Informed Learning	Anand V.;Yadav S.;Limba M.;Pandey G.;Lohani B.		2026	

Computer Science and Engineering

48	Proceedings of the Aaai Conference on Artificial Intelligence	Learnability of Parameter-Bounded Bayes Nets	Bhattacharyya A.;Choo D.;Gayen S.;Myrasiotis D.	39	2025	15559-15566
49	Proceedings of the ACM IEEE 16th International Conference on Cyber Physical Systems Iccps 2025 Held as Part of the Cps Iot Week 2025	Integrated Task and Path Planning for Collaborative Multi-Robot Systems	Aryan A.;Modi M.;Saha I.;Majumdar R.;Mohalik S.		2025	
50	Proceedings of the 8th ACM SIGMOD Joint International Workshop on Graph Data Management Experiences and Systems Grades and Network Data Analytics NDA Grades NDA 2025	Graph Repairs with Large Language Models: An Empirical Study	Terdalkar H.;Bonifati A.;Mauri A.		2025	

51	Www Companion 2025 Companion Proceedings of the ACM Web Conference 2025	Graph Regularized Encoder Training for Extreme Classification	Mittal A.;Mohan S.;Saini D.;Asokan S.;Prabhu S.C.;Kumar L.;Malhotra P.;Jiao J.;Singh A.;Agarwal S.;Chakrabarti S.;Kar P.;Varma M.		2025	394-402
52	Proceedings of the Annual ACM Symposium on Theory of Computing	Primes via Zeros: Interactive Proofs for Testing Primality of Natural Classes of Ideals	Garg A.;Oliveira R.;Saxena N.		2025	1079-1086
53	Proceedings of the ACM Conference on Computer and Communications Security	N-Tracer: A Trace Driven Attack on NoC-Based MPSoC Architecture	Dipesh ;Chatterjee U.		2025	1127-1140
54	Lecture Notes in Computer Science	Inductive Tracing and the Complexity of Finding Hamiltonian Path in DAGs	Bhadra R.;Tewari R.	16106 LNCS	2026	57-67
55	Leo Net 2025 Proceedings of the 2025 3rd Workshop on Leo Networking and Communication Part of SIGCOMM 2025	An investigation of Starlink's performance during the May '24 solar superstorm	Basak S.;Pal A.;Bhattacharjee D.		2025	21-27
56	Lecture Notes in Computer Science	Active Preference Optimization for Sample Efficient RLHF	Das N.;Chakraborty S.;Pacchiano A.;Chowdhury S.R.	16017 LNCS	2026	96-112

57	Lecture Notes in Computer Science	Inductive Generalization in Reinforcement Learning from Specifications	Subramanian V.;Kushwah R.;Roy S.;Bansal S.	16145 LNCS	2026	277-298
58	Leibniz International Proceedings in Informatics Lipics	Faster Algorithm for Second (s,t)-Mincut and Breaking Quadratic Barrier for Dual Edge Sensitivity for (s,t)-Mincut	Baswana S.;Bhanja K.;Roy A.	351	2025	
59	Communications in Computer and Information Science	CS Educator Challenges and Their Solutions: A Systematic Mapping Study	Chouhan A.;Ragavan S.S.;Karkare A.	2739 CCIS	2026	131-155
60	Ccs 2025 Proceedings of the 2025 ACM Sigsac Conference on Computer and Communications Security	mUOV: Masking the Unbalanced Oil and Vinegar Digital Signature Scheme at First- and Higher-Order	Kundu S.;Norga Q.;Karmakar A.;Ojha U.K.;Ganguly A.;Verbauwhede I.		2025	1994-2008
61	Lecture Notes in Computer Science	Specification Inference Modulo Oracles for Database-Backed Web Applications	Trivedi N.;Roy S.	16201 LNCS	2026	195-216
62	Qsec 2025 Proceedings of the 2025 Workshop on Quantum Security and Privacy	A Lightweight Unified Keccak Module for Efficient Hashing in ML-KEM and ML-DSA	Mandal S.;Roy D.B.		2025	34-39
63	Communications in Computer and Information Science	A Study of Teaching Tools for Parsing	Gautam T.;Agarwal N.;Karkare A.	2739 CCIS	2026	195-205
64	Middleware 2025 Proceedings of the 26th ACM International Middleware Conference	FlexClone: Efficient, Flexible and Pluggable File Cloning Support for Filesystems	Singh R.;Mishra D.		2025	383-397

65	Lecture Notes in Computer Science	Communication-Balanced Job Allocation Using SLURM	Mangat G.;Malakar P.	16210 LNCS	2026	263-283
66	Proceedings 2025 International Conference on Hardware Software Codesign and System Synthesis Codes Isss 2025	Dual-Mode Rounding Algorithms and Hardware for Posit-based DNN Training: The Future of Mixed Precision Frameworks	Mishra V.;Rathor M.;Chatterjee U.		2025	13-14
67	Lecture Notes in Computer Science	Secure Secret Sharing Protocol Against Network Data Remanence Side Channel Attacks	Thakare P.;Trivedi A.O.;Chatterjee U.	16406 LNCS	2026	358-376
68	Lecture Notes in Computer Science	Breaking PCB-Chain: A Side Channel Assisted Attack on IoT-Friendly Blockchain Mining	Gambhir S.;Mishra V.;Chatterjee U.;Basu Roy D.	16406 LNCS	2026	154-170
69	Proceedings of the 1st Workshop on Benchmarks, Harmonization, Annotation, and Standardization for Human-Centric AI in Indian Languages (BHASHA 2025)	BHRAM-IL: A Benchmark for Hallucination Recognition and Assessment in Multiple Indian Languages	Terdalkar, Hrishikesh and Bhojani, Kirtan and Dongare, Aryan and Behera, Omm Aditya; Bhattacharya, Arnab and Goyal, Pawan and Ghosh, Saptarshi and Ghosh, Kripabandhu		2025	

70	Proceedings of the 1st Workshop on Benchmarks, Harmonization, Annotation, and Standardization for Human-Centric AI in Indian Languages (BHASHA 2025)	Findings of the IndicGEC and IndicWG Shared Task at BHASHA 2025	Bhattacharyya, Prमित and N J, Karthika and Terdalkar, Hrishikesh and Jagadeeshan, Manoj Balaji and Nigam, Shubham Kumar and Susmitha, Arvapalli Sai and Bhattacharya, Arnab; Bhattacharya, Arnab and Goyal, Pawan and Ghosh, Saptarshi and Ghosh, Kripabandhu		2025	
71		EVALUATING LLM-GENERATED FEEDBACK FOR DEBUGGING ASSISTANCE IN CS1	Nimisha Agarwal; Vinayak Gupta; Amey Karkare		2026	

Design

72	Swarings: Exploring Expressive Freedom through Ring-Based Musical Interaction	UIST Adjunct 2025 Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology	Kumar S.;Dev S.K.;Srinath L.;Kumar A.;Jain K.;Bhagat A.K.;Mukherjee P.;Prabhakar G.		2025	
73	From Queues to Care: Transhumanist Interventions for Patient-Centred Experiences in Indian Public Hospitals	Proceedings of 16th International Conference of Human Computer Interaction Hci Design and Research 2025 Indiahci 2025	Behera A.K.;Yadav A.		2025	93-104

74	From Awareness to Action: Extended Reality Systems for Earthquake Preparedness, Evacuation, and Rescue	Mobilehci 2025 Adjunct Proceedings of the 2025 Conference on Mobile Human Computer Interaction	Rajashekhar V.S.;Prabhakar G.		2025	
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Electrical Engineering

75	DAAFNet: Domain Adaptive Augmented Feature Network for Biosignal-Based Emotion Recognition	IEEE International Conference on Image Processing (ICIP), USA	S. Pratapa, T. Sandhan		2025	
76	A Robust Roof Segmentation Using Noise-Resilient Convolution Neural Network	SPIE conference on Pattern Recognition and Prediction, Florida, USA	AM. John, P. Duraisamy, T. Sandhan		2025	
77	Pedestrian and car detection using RGB and Radar Multi-modal Data with Knowledge Distillation	SPIE conference on Pattern Recognition and Prediction, Florida, USA	V. Thotaa, P. Duraisamy, T. Sandhan		2025	
78	Boundary Refinement in Abdomen Segmentation Using 3D Inverseform Loss	Communications in Computer and Information Science	Rajpurohit K.;Sandhan T.	2475 CCIS	2026	32-46
79	Squeezing Global Local Attention Within Siamese Network for Robust Palm Vein Recognition	Communications in Computer and Information Science	Singla K.;Arun C.S.;Pandey V.K.;Sandhan T.	2475 CCIS	2026	93-107
80	A 10W, High Gain, Multi-Octave Bandwidth Driver Amplifier for HF Radar's Transmitter Application	2025 22nd European Radar Conference (EuRAD)	Majumder, Chiranjit and Poluri, Nagaditya and Majumder, Basudev		2025	

81	H-QuEST: Accelerating Query-by-Example Spoken Term Detection with Hierarchical Indexing	Interspeech 2025	Akanksha Singh; Yi-Ping Phoebe Chen; Vipul Arora		2025	
82	Language-Agnostic Speech Tokenizer for Spoken Term Detection with Efficient Retrieval	Interspeech 2025	Anup Singh; Kris Demuynck; Vipul Arora		2025	
83	Generalized Distance Metric for Various DHT Routing Algorithms in Peer-to-Peer Networks	Lecture Notes in Networks and Systems	Kushwaha R.;Kulkarni S.;Singh Y.N.	1498 LNNS	2026	553-566

Mechanical Engineering

84	Estimating Material Deformation Characteristics During Orthogonal Cutting Using Digital Image Correlation	Lecture Notes in Mechanical Engineering	Raizada V.;Singh M.;Law M.		2026	65-74
85	Horizontal size-based segregation in a vertically oscillating box with a sloped bottom	EPJ Web of Conferences	Nallani N.;Sharma I.;Khakhar D.	340	2025	
86	Dynamics of regolith dunes on small planetary bodies	EPJ Web of Conferences	Gaurav K.;Sharma I.;Banik D.	340	2025	
87	Waves in granular flows down a vertical chute	EPJ Web of Conferences	Pachpande G.;Sharma I.;Kumar S.	340	2025	
88	Regolith dynamics on small bodies in the Solar System	EPJ Web of Conferences	Gaurav K.;Sharma I.;Banik D.	340	2025	
89	Pressure and shear waves in lightly-confined granular columns	EPJ Web of Conferences	Paliwal V.;Vikas K.;Katsuragi H.;Dhingra D.;Sharma I.	340	2025	

90	Compressive wave speeds in dry, confined granular mixtures	EPJ Web of Conferences	Vikas K.;Paliwal V.;Sharma I.;Katsuragi H.;Dhingra D.	340	2025	
91	An Experimental Investigation on the Behavior of Voltage and Current in Plasma Electrolytic Polishing	Lecture Notes in Mechanical Engineering	Kumar S.;Chandraprakash C.;Ramkumar J.		2026	263-268
92	Topology Optimization of Contact-Aided Compliant Mechanisms for Tracing Multi-kink Paths	Lecture Notes in Mechanical Engineering	Kumar P.;Sauer R.A.;Saxena A.		2026	43-51
93	Mechanical performance of 3D printed SS 316L TPMS lattices: A computational and experimental approach	Procedia Structural Integrity	Singh A.K.;Diep Tran T.N.;Deshpande V.V.;Dietrich S.;Schulze V.;Kar K.K.;Piat R.	80	2026	339-351

Materials Science and Engineering

94	Functional Oxide Thin Films for Next-Generation Electronics and Photonics: A Multi-Material Perspective	Proceedings of SPIE the International Society for Optical Engineering	Misra S.	13582	2025	
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Physics

95	Eigenspectra of Minimally Doubled Fermions	PoS LATTICE	A. Kishore, S. Basak, D. Chakrabarti	2024	2025	355
96	Chiral Lagrangian for Karsten-Wilczek Minimally Doubled Fermion	PoS LATTICE	K. S. Shucker, D. Chakrabarti, S. Basak	2024	2025	357

97	R&D Adoption and Progress in Full Simulation of the CMS experiment	EPJ Web of Conferences	Srimanobhas N.;Banerjee S.;Cossutti F.;Ivantchenko V.;Krammer N.;Muzaffar M.S.;Pedro K.;Pezzotti L.	337	2025	
98	Radio-upgradation of the GRAPES-3 experiment with the beam-forming approach	Proceedings of Science	Saha S.;Jain P.;Huege T.;Besson D.Z.;Martinelli S.	501	2025	

JOURNAL ARTICLES 2025-2026

Aerospace Engineering

S. No.	Journal Name	Title of the Paper/Publication	Authors	Volume	Year	Page numbers (Start to End)
1	Journal of Reinforced Plastics and Composites	A coupled damage-inelasticity model for epoxy with an application to micromechanical analysis of unidirectional composites	Yenike S.C.M.;Upadhyay C.S.;Mohite P.M.	44	2025	435-456
2	European Journal of Mechanics B Fluids	Investigation of turbulent high-speed flow over the double wedge at varying aft-wedge deflections	Ray A.A.;De A.	111	2025	20-41
3	Journal of Engineering for Gas Turbines and Power	Experimental Study on Liquid Jet Trajectory in Cross Flow of Swirling Air at Elevated Pressure Condition	Kumar D.;Sikroria T.;Kushari A.	147	2025	
4	Physica D Nonlinear Phenomena	An experimental observation of intermittent extreme events in boundary layer transition	Balamurugan G.;Gopalakrishnan S.S.;Mandal A.C.	476	2025	
5	Meccanica	A nonlinear iterative approach to predict large deflections of a novel spring-loaded ornithopter wing	Bhowmik J.;Palika S.;Das D.	60	2025	875-889

6	Journal of Fluids Engineering	Numerical Investigation of Unsteady Flow Characteristics of Planar Plug Nozzle in Overexpanded Conditions	Trivedi R.;Bhaduri S.;Sugarno M.I.;De A.	147	2025	
7	Polymer Composites	Fracture characteristics of short fiber-toughened matrix laminates	Singh M.K.;Kitey R.	46	2025	S338-S355
8	Physics of Fluids	Data-driven stability analysis in a multi-element supercritical liquid oxygen-methane	Bhattacharya A.;Sharma A.;De A.	37	2025	
9	Aerospace Science and Technology	A homogenized plate model for dual-scale analysis of integrated thermal protection system panels	Khan N.;Chakraborty P.	163	2025	
10	Physics of Fluids	Influence of aspect ratio and flow compressibility on flow dynamics in a confined cavity	Bhaduri S.;Sugarno M.I.;De A.	37	2025	
11	Applications of Mathematics	Local accuracy in finite element analysis using curved isoparametric elements	Saxena P.;Upadhyay C.S.	70	2025	257-292
12	Aerospace Science and Technology	Numerical investigation of open-and close-end swirl injector dynamics for LOx-CH4 supercritical combustion	Kumar R.;Sharma A.;De A.;Vaidyanathan A.	164	2025	
13	International Journal of Fatigue	Understanding the effect of Dynamic Strain Aging on Thermo-Mechanical Fatigue of a near- α Ti-alloy: A crystal-plasticity model framework	Kazim S.M.;Prasad K.;Chakraborty P.	200	2025	
14	Computational Mechanics	Higher order polygonal finite element method for elasto-plastic analysis	Singh S.;Chakraborty P.	76	2025	1261-1284
15	International Journal of Aeronautical and Space Sciences	Flow and Acoustic Characteristics of a Serpentine Nozzle with Aft-Deck	Rao A.N.;Nilavarasan T.;Kushari A.	27	2026	175-189
16	Physics of Fluids	Combustion characteristics of a transverse jet in supersonic crossflow with varying inflow conditions	Rasheed I.;Mishra D.P.	37	2025	

17	Journal of Fluid Flow Heat and Mass Transfer	Analysis of Two-Phase Film Cooling Mechanisms and Mist Concentration Effects for Enhanced Performance Using Laid-Back Fan-Shaped Holes	Verma A.;Mishra D.P.	12	2025	207-225
18	Journal of Materials Engineering and Performance	Morphology and Properties of Aluminium Alloy Matrix Hybrid Nanocomposites Reinforced with Nano-SiC and Eggshell Particles	Chattopadhyay S.;Mondal S.;Mishra D.P.	34	2025	22234-22249
19	Journal of Fluid Flow Heat and Mass Transfer	Coherent Dynamics of Liquid Jet Breakup in Annular Crossflow	Kumar D.;Kushari A.	12	2025	251-264
20	Journal of Fluid Flow Heat and Mass Transfer	Impactor-Assisted Atomization in Multi-Jet Twin-Fluid Injectors for FCC Risers	Kumar D.;Kushari A.;Kumar P.;Mishra H.	12	2025	265-278
21	Applications in Energy and Combustion Science	Flame dynamics of air-diluted methanol spray combustion in confined swirling vitiated hot coflow	Alam Z.;Bhatia B.;De A.	23	2025	
22	Physics of Fluids	Influence of Reynolds number on the modes of unsteadiness on the double-wedge configurations	Ray A.A.;De A.	37	2025	
23	European Physical Journal Special Topics	Improving energy extraction in VAWT clusters: effect of blade count, wake synergy, and inter-turbine spacing	Prasad D.V.G.;Verma M.;Reddy G.D.K.;De A.	234	2026	6937-6957
24	Journal of Guidance Control and Dynamics	Online Attitude Controller Gain Tuning for a Delta Wing Unmanned Aerial Vehicle	Kumar N.;Kishore G.;Saderla S.	48	2025	1699-1711
25	European Physical Journal Special Topics	Influence of blade, hub, and nacelle modeling on propeller-wing interactions in turboprop simulations	Pasupuleti P.K.;Srichaitanya K.;Ranjan R.	234	2026	6861-6875

26	International Communications in Heat and Mass Transfer	Experimental study on the effect of unheated leading segment on the flame structure and mass burning rate of turbulent wind-driven flames	Sandeep B.V.;Srivastava A.;Singh A.V.	168	2025	
27	Physics of Fluids	Statistical analysis of droplet size distributions in liquid-jet-in-crossflow atomization	Johny T.;Bhatia B.;Alam Z.;De A.	37	2025	
28	International Journal of Multiphase Flow	Controlling the atomization of burning emulsion droplets	Priyadarshini S.;Yadav A.;Kushari A.;Rao D.C.K.	193	2025	
29	Next Materials	Pull-off adhesion strength of bonded wood in longitudinal and transverse direction	Maurya D.K.;U. M.;Upadhyay C.S.	9	2025	
30	Physics of Fluids	Sub-cavity induced passive control of confined supersonic cavity flows across varying freestream Mach numbers	Bhaduri S.;Sugarno M.I.;De A.	37	2025	
31	European Physical Journal Special Topics	Large eddy simulation to investigate open/close-end swirl coaxial injector dynamics for a LOx-methane rocket engine	Kumar R.;Sharma A.;De A.;Vaidyanathan A.	234	2026	7175-7193
32	International Communications in Heat and Mass Transfer	Characterization of mass burning rate and flame structure in mixed-convective wind-driven flames under the influence of freestream turbulence	Srivastava A.;Sandeep B.V.;Singh A.V.	169	2025	
33	Defence Technology	Energetic composites based on aluminium alloy fuels (Al-Ti and Al-Mg) with polyvinylidene fluoride (PVDF): An in-depth study of the fabrication, structure, combustion properties and reaction kinetics	Yang Z.;Liu H.;Li M.;Wang X.;Li Y.;Han Z.;Singh A.V.;Jiang L.;Rotaru A.	54	2025	15-37

34	European Physical Journal Special Topics	Scaling methodology to predict low bypass turbofan engine performance	Srinivasan S.;Bokade R.;Mannari M.;Priyadarshini S.;Kushari A.	234	2026	7195-7208
35	European Physical Journal Special Topics	Insights into the aerodynamic performance of double serpentine nozzles	Ragupathy S.;Priyadarshini S.;Durai D.;Bokade R.;Sundararaj R.H.;Arora R.;Kushari A.	234	2026	7239-7253
36	European Physical Journal Special Topics	Numerical analysis of infrared emissions from jet plumes issuing from different nozzle geometries	Devi B.;Mandal T.;Mishra A.;Kushari A.;Rao A.N.	234	2026	7467-7489
37	Journal of Fluid Mechanics	Stochastic dynamics of vortex-acoustic lock-in: Effects of coloured, multiplicative noise	Mariappan S.	1020	2025	
38	Chemical Engineering and Technology	Spray Dynamic in Twin-Fluid Atomizer with Tangentially Air Intake	Kumar D.;Kushari A.	48	2025	
39	International Journal of Aeroacoustics	An acoustically-tuned spectral proper orthogonal decomposition	Muthichur N.;Vempati C.;Hemchandra S.;Samanta A.	24	2025	589-604
40	Plant Pathology	SARIMA-Random Forest Framework for Forecasting Anthracnose Severity in Bottle Gourd Under Variable Transplanting Dates	Chittaragi A.;Patil B.;Manjesh M.;Sridhar S.;Hurakadli M.S.;Praveenakumar R.;Dharamveer S.D.;Kumar A.;Kumar R.;Mohan M.;Kasniya P.K.	75	2026	

41	Combustion and Flame	Investigating the effect of ozonolysis on the structure and dynamics of ethylene–oxygen–ozone detonations	Dahake A.;Karthik A.S.;Singh R.K.;Singh A.V.	285	2026	
42	Journal of Fluid Mechanics	On the stability and dynamics of flows past bubble-shaped rigid bluff bodies	Muniyammal R.;Gopalakrishnan S.S.;Kumar S.;Mandal A.C.	1025	2025	
43	Journal of Fluid Mechanics	On effectiveness of optimal perturbation in hastening instability of counter-rotating vortex pair behind a wing	Naim M.S.;Navrose ;Brion V.	1023	2025	
44	Mechanics of Materials	A grain boundary region model to capture grain size and misorientation effects on elasto-plastic response of polycrystals	Tiwari D.;Khan A.;Deschênes P.A.;Paquet D.;Chakraborty P.	213	2026	
45	Physiological and Molecular Plant Pathology	Morpho-cultural and phylogenomic characterization of Fusarium proliferatum causing strawberry wilt: First report from India	Kumar A.;Saini S.;Saini A.K.;Rawal R.;Kumar R.;Rajeshkumar K.C.;Sharma S.;Sharma V.K.;Kumar Y.;Dalal R.P.S.;Prince ;Arora I.;Gehlot R.	140	2025	
46	AIAA Journal	Supersonic Jet Entrainment Manipulation and Scaling Using Multiple Steady Minijets	Changhao Tan; Jianchun Mi; Arun Kumar Perumal; Yu Zhou		2025	
47	Computers and Fluids	A robust data-free physics-informed neural network for compressible flows with shocks	Kumar P.;Ranjan R.	308	2026	

48	Sadhana Academy Proceedings in Engineering Sciences	Cane grass core-based green acoustic insulator	Maurya D.K.;Upadhyay C.S.;Arora R.	51	2026	
49	Indian Journal of History of Science	A critical review on wootz steel of India	Chakravarty S.;Mondal S.;Mishra D.P.		2026	
50	Ocean Engineering	Optimization of Savonius rotor array through a hybrid CFD- ANN-PSO method	Kumar S.;Mishra N.;Mitra S.;Mishra D.P.;Vaikuntanathan V.	344	2026	
51	Journal of Plant Pathology	Potency of formulated biocontrol agents from lab to field: a sustainable approach for onion purple blotch suppression	Saini S.;Raj K.;Kumar R.;Saini A.K.	108	2026	125-137
52	International Journal of Tropical Insect Science	Assessing population dynamics and impact of modern insecticides on brown plant hopper (<i>Nilaparvata lugens</i> Stål) and its Natural Enemies in Non- Scented Rice Ecosystem	Yadav S.;Poonia R.;Singh B.;Kumar R.;Phouhath A.		2026	
53	International Microbiology	Optimisation of physicochemical factors for enhanced astaxanthin accumulation in newly isolated freshwater green microalgae <i>Desmodesmus</i> sp. PLM2: insights from current analytical techniques	Kumar S.;Kumar R.;Diksha ;Kumari A.;Panwar A.	28	2025	2889-2912
54	Kongqi Donglixue Xuebao Acta Aerodynamica Sinica	Active control of supersonic jet based on multiple microjets	Dewei F.;Yuling X.;Yinghao N.;Perumal A.K.	44	2026	76-84

Biological Sciences and Bioengineering

55	Developmental Biology	Interplay of canonical and LIMK mediated non-canonical BMP signaling is essential for regulating differential thickness and invagination during chick forebrain roof plate morphogenesis	Zaidi M.A.A.;Kushwaha S.;Udaykumar N.;Dethe P.;Sachdeva M.;Sen J.	520	2025	125-134
56	Journal of Clinical Neuroscience	Machine Learning-Based localization of the epileptogenic zone using High-Frequency oscillations from SEEG: A Real-World approach	Raghu A.;Nidhin C.P.;Sivabharathi V.S.;Menon P.R.;Sheela P.;Ajai R.;Krishnaprasad T.R.;Kumar A.;Ramakrishnan A.;Gopinath S.;Parasuram H.	135	2025	
57	Molecular Neurobiology	Inactivation of Laforin Phosphatase and Increased Glucose Uptake Underlie Glycogen Synthase-Mediated Neuronal Survival Under Oxidative Stress	Onkar A.;Sheshadri D.;Nagarajan K.;Ganesh S.	62	2025	11145-11163
58	Biomaterials Science	A bacterial cellulose-polydopamine based injectable hydrogel for enhanced hemostasis in acute wounds	Shakya K.R.;Chatterjee N.;Misra S.K.;Verma V.	13	2025	3307-3324
59	Materials Today	Spatio-temporal nano-biomineralization and pro-antibiotic release for synergistically combatting multidrug-resistant bacteria	Aditya T.;Saha P.;Misra S.K.;Alafeef M.;Ray P.;Daza E.A.;Schwartz-Duval A.S.;Tripathi I.;Pan D.	88	2025	64-77

60	Nature Communications	Structural visualization of small molecule recognition by CXCR3 uncovers dual-agonism in the CXCR3-CXCR7 system	Saha S.;Sano F.K.;Sharma S.;Ganguly M.;Dalal A.;Mishra S.;Tiwari D.;Akasaka H.;Kobayashi T.A.;Roy N.;Zaidi N.;Itoh Y.;Leurs R.;Banerjee R.;Shihoya W.;Nureki O.;Shukla A.K.	16	2025	
61	International Journal of Biological Macromolecules	Trimesoyl chloride crosslinked chitosan: An efficient adsorbent for Congo red dye removal from water - kinetic and isotherm analysis	Shukla A.K.;Alam J.;Alhoshan M.	319	2025	
62	ACS Omega	Layer-by-Layer Assembled Nanocomposite Membranes with Functionalized Dendritic Mesoporous Silica Nanoparticles for Selective Heavy Metal Removal	Alotaibi K.M.;Shukla A.K.;Alshahrani A.A.;Alzhrani E.M.;Alotaibi S.S.;Alswieleh A.	10	2025	28112-28127
63	Proceedings of the National Academy of Sciences of the United States of America	A genetically encoded nanobody sensor reveals conformational diversity in β -arrestins orchestrated by distinct seven transmembrane receptors	Sarma P.;Marková V.N.;Dalal A.;Mishra S.;Zaidi N.;Tiwari D.;Yadav M.K.;Roy N.;Mahajan G.;Miclea P.;Lazar J.;Shukla A.K.	122	2025	

64	Chromatographia	Development of Superficially Porous Silica Core–Shell Particles Functionalized with Poly(2-(tert-butylamino)ethyl Methacrylate) Polymer Brushes for Enhanced Chromatographic Separation	Alotaibi K.M.;Bajuayfir E.;Shukla A.K.;Aqel A.;Al-Mohaimeed A.M.;Alswieleh A.M.;S.Alotaibi S.	88	2025	843-859
65	ACS Omega	Identification of Phialomustin-B (PHL-B) as a Novel Natural TRPA1 Channel Inhibitor	Yadav P.;Sharma A.;Singh A.;Sharma M.;Singh A.K.;Ali A.;Kshatri A.S.	10	2025	39192-39202
66	Biochemistry	S–H···N Contacts between Side Chains of Cys and Backbone Nitrogen Atoms in Proteins Are Weak Interactions and Not Hydrogen Bonds	Singh P.;Sankararamakrishnan R.	64	2025	4354-4365
67	Sensing and Bio Sensing Research	Nanocarbon induced graphene platelet suspension for generation of dopant free filter paper based electrochemical biosensor	Kumar P.;Misra S.K.	50	2025	
68	Journal of Cell Science	Suppressing microtubule deetyrosination augments adeno-associated virus 2 endosomal escape and gene delivery	Tripathi S.;Huda S.;Kar J.;Chandra D.;Jayandharan G.R.;Mohan N.	138	2025	
69	IUPHAR/BPS Guide to Pharmacology CITE	Complement peptide receptors in GtoPdb v.2025.3	Antonia Cianciulli; Arun K. Shukla; Maria A. Panaro; Peter Monk; Vincenzo Mitolo; Xaria X. Li; John D. Lee; Owen Hawksworth; Liam Coulthard; Trent M. Woodruff		2025	

70	Journal of Materials Science	Mechanical and physical properties of polyvinylidene fluoride and poly(vinylidene fluoride-co-hexafluoro-propylene) membranes	Shukla A.K.;Alhoshan M.;Alam J.;Imran A.	61	2026	3536-3555
71	Chemical Engineering Communications	Predicting fouling resistance in spiral-wound ultrafiltration membranes: a machine learning approach for high-recovery wastewater treatment	Katibi K.K.;Shukla A.K.;Shitu I.G.;Alotaibi K.M.;Imran A.;Oladipupo R.A.		2026	
72	British Journal of Pharmacology	The Concise Guide to PHARMACOLOGY 2025/26: G protein-coupled receptors	Alexander S.P.H.;Davenport A.P.;Kelly E.;Gibb A.J.;Mathie A.A.;Peach C.J.;Veale E.L.;Armstrong J.F.;Faccenda E.;Harding S.D.;Southan C.;Davies J.A.;Abbracchio M.P.;Abraham G.R.;Agoulnik A.;Alexander W.;Al-hosaini K.;Bäck M.;Baker J.G.;Barnes N.M.;Bathgate R.;Beaulieu J.M.;Beck-Sickinger A.G.;Behrens M.;Bennett K.A.;Bernstein K.E.;Bettler B.;Birdsall N.J.M.;Blaho V.A.;Bonaventure P.;Boulay F.;Bousquet C.;Bräuner-Osborne	182	2025	S24-S151

73	Plos One	Effect of perchlorate on biocementation capable bacteria and Martian bricks	Dubey S.;Shukla S.;Gupta N.;Dixit R.;Bhadury P.;Kumar A.	21	2026	
74	Physica Status Solidi A Applications and Materials Science	Exploring the Influence of Milling Time on the Structural, Elastic, Dielectric, Morphological, and Optical Properties of CuSe Nanoparticles Produced by Mechanical Alloying	Katibi K.K.;Shitu I.G.;Shukla A.K.;Alotaibi K.M.;Oladipupo R.A.;Muhammad H.	223	2026	
75	Ionics	Optimization and prediction of power density in proton exchange membrane fuel cells for green energy using advanced machine learning models: a comparative study	Katibi K.K.;Shukla A.K.;Shitu I.G.;Alotaibi K.M.;Imran A.;Mojoyinola M.O.;Sirajudeen A.A.O.		2026	
76	Molecular and Cellular Biochemistry	Combination gene therapy with AAV based RPE65 and survivin vectors sustains phenotypic rescue in neural retina of LCA2 mice	Singh V.;Huda S.;Narendra Kumar G.;Jayandharan G.R.		2026	
77	Neuroimage	Optimizing electrode placement and information capacity for local field potentials in cortex	Willis J.A.;Wright C.E.;Zhu R.;Ruan Y.;Stallings J.;Abrego A.M.;Medani T.;Moitra P.;Ramakrishnan A.;Schroeder C.E.;Joshi A.A.;Tandon N.;Leahy R.M.;Mosher J.C.;Seymour J.P.	327	2026	

78	Brain and Development	Brown-Vialetto-Van Laere syndrome patients with unusual phenotypes from Indian ethnicity: Functional analysis of clinical variants in SLC52A2 and SLC52A3 genes	Santhalingam Gayathri; Manikka Kubendran Aravind; Vykuntaraju K. Gowda; Perumal Varalakshmi; Chitral Chatterjee; Saravanan Matheshwaran; Stephanie Efthymiou; Henry Houlden; Balasubramaniam Ashokkumar		2025	
79	IEEE Access	A Translational Platform for Polyimide Neural Interfaces: Polyimide Synthesis and In Vivo Evaluation in Epileptic Mice	Kumar K.;Deshpande K.;Kalur N.;Chauhan G.;Chugh D.;Ganesh S.;Ramakrishnan A.		2026	
80	Journal of Cellular and Molecular Medicine	Bioengineered AAV9 and Optimised Microdystrophin Vectors Augment Phenotypic Rescue in a Murine Model of Duchenne Muscular Dystrophy	Senthilkumar M.B.;Sharma S.;Srinivasan N.;Varghese A.;Sarangi P.;Singh V.;Kumar N.;Yenurkar D.;Mukherjee S.;Amit S.;Bhatia S.;Misra S.K.;Puri R.D.;Chamberlain J.;Jayandharan G.R.	30	2026	

Chemical Engineering

81	Separation and Purification Technology	Single-pot extractive double divided wall column for Acetonitrile, Ethanol, and water Separation: Design and control	Gupta A.;Singh Kumaiya H.;Srivastava P.;Kaistha N.	357	2025	
82	Journal of Energy Storage	External magnetic field and heating reduce the mass transport overpotential in a liquid metal battery	Ranawade V.;Tiwari N.;Nalwa K.S.	114	2025	
83	Sensors and Actuators B Chemical	Screen-printed PANI/MoS2-based flexible gas sensor for sub-ppm NH3 detection: Experimental and DFT investigations	Jain A.;Parambil A.M.;Panda S.	432	2025	
84	Microchemical Journal	Sugarcane based sustainable electrodes for the detection of arsenic from rice	Gokhale N.A.;Dushing P.V.;Panda S.	211	2025	
85	Applied Catalysis B Environmental	Microkinetic modelling assisted rate equation development for ammonia decomposition over alumina supported nickel catalysts	Yadav P.K.;Gunge S.;Russel A.S.;Deo G.	371	2025	
86	Powder Technology	Decoupling calibration and coarse-graining: Quest for a generalized parameter set for DEM simulation of pharmaceutical powder	Mahto L.;Chakraborty J.;Kumar J.;Tripathi A.;Sen M.;Ketterhagen W.	457	2025	
87	Energy Technology	Lead-Free, Ultrastable, Tungsten-Based Ruddlesden–Popper and Hybrid Perovskite Frameworks for Aqueous Pseudocapacitive Charge Storage	Sasmal S.;Roy S.;Gupta P.K.;Ramkumar K.;Biswas P.;Ghorui B.;Saju S.K.;Ajayan P.M.;Valiyaveetil S.;Pala R.G.S.;Sivakumar S.	13	2025	

88	Journal of Fluid Mechanics	Transient segregation of different density granular mixtures	Kumawat S.;Sahu V.K.;Tripathi A.	1008	2025	
89	Journal of Fluid Mechanics	Role of finite extensibility on the centre-mode instability in viscoelastic channel flow	Khalid M.;Badoni A.;Dutta D.;Naidu P.;Subramanian G.;Shankar V.	1009	2025	
90	Journal of Pharmaceutical Innovation	Impact of Equipment Material and Surface Finish on the Flowability of dry Cohesive Powders – an Important Consideration in Calibration of Discrete Element Models	Sharma A.;Chakraborty J.;Tripathi A.;Kumar J.;Sen M.;Ketterhagen W.	20	2025	
91	Electrocatalysis	Carbon-Supported Noble Metal-Free High-Entropy Alloy: A New Synthesis Approach and Application to Hydrogen Evolution Reaction	Verma N.K.;Gupta R.;Verma N.	16	2025	713-725
92	Korea Australia Rheology Journal	Necessary corrections to an inelastic mixed-viscosity model to efficiently and accurately solve for the flow of polymer solutions around a sphere	Ghosh A.;Kumar R.;Dalal I.S.	37	2025	91-119
93	Canadian Journal of Chemical Engineering	PI averaging level control in plantwide systems	Gupta A.;Srivastava P.;Kaistha N.	103	2025	5935-5954
94	Chemical Engineering Research and Design	Kinetic modeling of nucleated polymerization of amyloid beta and anti-amyloidogenic activity of bromocriptine in Alzheimer's disease	Majid A.;Garg S.	218	2025	289-301
95	Physical Review Fluids	Effect of anisotropic mobility on the diffusive instability in viscoelastic shear flows	Pandey S.;Shankar V.	10	2025	

96	ACS Agricultural Science and Technology	Formulation of Dolomite-Supported and CNF-Translocated Multi-Micronutrients: An Advanced Fertilizer for Plant Growth	Gupta R.;Verma N.K.;Verma N.	5	2025	1057-1070
97	Journal of Chemical Physics	Rate enhancing role of molybdenum chloride in molten KCl for methane activation	Goyal A.;Singh B.;Metiu H.;Agarwal V.	162	2025	
98	Bioresource Technology Reports	The effect of cattle manure extract on the corrosion of SS304 in different aqueous corrosives	Mandal S.;Banik D.;Pandey P.K.;Gupta R.K.;Mondal K.	30	2025	
99	ACS Applied Energy Materials	Unraveling the Catalytic Potential of 2D Nb ₂ Se ₂ C for Lithium Polysulfide Conversion: A DFT Study	Upadhyay S.N.;Singh J.K.	8	2025	6733-6745
100	Fuel	g-C ₃ N ₄ -supported NiBO ₃ (B = Ti, Sn) perovskite-based arrow-up dual-S scheme heterostructure for efficient hydrogen production via water splitting	Mishra S.;Kumar A.;Verma N.	399	2025	
101	Applied Catalysis A General	Developing a supported metal oxide catalyst for direct dehydrogenation of propane to propene	Singh R.;Singh R.;Deo G.	703	2025	
102	Reaction Kinetics Mechanisms and Catalysis	Catalytic pyrolysis of sugarcane leaves with montmorillonite clay: unraveling kinetics and reaction mechanisms	Kumar M.;Sharma H.	138	2025	2039-2061
103	Chemical Engineering and Processing Process Intensification	Biogenic synthesis of the mixed-valence Fe _x O _y /g-CN electrocatalyst using coiled flow inverter for green hydrogen evolution	Tomar S.S.;Verma N.;Nigam K.D.P.	217	2025	

104	Industrial and Engineering Chemistry Research	Adaptively Tuned PI Averaging Level Control for PlantwideApplications	Gupta A.;Srivastava P.;Kaistha N.	64	2025	14171-14184
105	Reaction Chemistry and Engineering	Accelerated relaxation engines for optimizing to a minimum energy path	Simon S.L.;Kaistha N.;Agarwal V.	10	2025	2285-2299
106	Chemcatchem	Magnetoelectrodeposited Co-Ni Electrocatalyst on Fe-Modified Ni-Foam for Alkaline Oxygen Evolution Reaction	Ghorui B.;Vaidyanathan H.;Singh I.;Chatterjee M.;Pala R.G.S.	17	2025	
107	Chemical Engineering Journal	Fabrication and frequency-dependent study of alginate-based Ca ²⁺ ion-conductive flexible IPN organohydrogel for epidermal iontronic temperature sensor	Kumar G.;Panda S.	519	2025	
108	Journal of Cleaner Production	Life cycle assessment of enzymatic and non-enzymatic electrochemical sensors: A comparative study using glucose oxidase and metal nano-catalysts	Gokhale N.A.;Joglekar S.N.;Panda S.	522	2025	
109	Flexible and Printed Electronics	Textile substrates, coatings and conductive inks used in fabrication and characterization of printed dry electrodes for bio-impedance sensing	Trivedi S.;Srivastava S.;Panda S.	10	2025	
110	Journal of Colloid and Interface Science	Nano-silica based aqueous colloidal gels as eco-friendly thixotropic lubricant	Kumar A.;Kumar V.;Joshi Y.M.;Singh M.K.	700	2025	
111	Langmuir	Navigating Small Datasets with Machine Learning: Gaussian Process Modeling for Colloidal Gelation	Batra R.;Joshi Y.M.;Shanbhag S.	41	2025	21232-21242
112	Journal of Chemical Physics	Chemical interactions in active droplets	Dwivedi P.;Ashraf S.;Kumar P.;Pillai D.;Mangal R.	163	2025	

113	Journal of Physical Chemistry C	Decoding the Influence of Microstructure on the Stability and Dynamical Properties of the HMT-PMBI Anion Exchange Membrane Using Molecular Dynamics Simulation	Chakraborti T.;Sharma R.;Krishnamoorthy A.N.;Chandran Puthenkalathil R.;Singh J.K.	129	2025	12053-12067
114	Fluid Phase Equilibria	Can MOF — Isobutane integration enhance adsorption refrigeration cycle? An accelerated approach using active learning and Monte Carlo simulations	Krishnan S.M.;Singh J.K.	592	2025	
115	Journal of the Electrochemical Society	A Hybrid Model for Electrokinetic and Stress-Induced Flow Mechanisms in Porous Anodic Oxide Formation	Wankhede S.;Pillai D.S.	172	2025	
116	Energy and Fuels	Cobalt-Promoted Ni/Al ₂ O ₃ Catalyst for Efficient Ammonia Decomposition	Yadav P.K.;Prabhakar J.K.;Deo G.	39	2025	12689-12703
117	Chemical Engineering Journal	Selective conversion of aqueous CO ₂ to formate using the wastewater-isolated microalgae in a packed-bed photobioreactor under flow condition	Ansari A.;Verma N.K.;Matheshwaran S.;Verma N.	521	2025	
118	Chemphotochem	Layered Perovskite/g-C ₃ N ₄ S-Scheme Heterojunction for an Improved Photocatalytic Reduction of Bicarbonate to Formate	Chauhan D.;Gupta R.;Kumar A.;Verma N.	9	2025	
119	Langmuir	Influence of Electrolytic Gradient Orientation on Phoretic Transport in Dead-End Pores	Tiwari K.;Dhakar J.;Upadhyaya K.;Choudhary A.	41	2025	18583-18596
120	ACS Applied Polymer Materials	Bonding of Hydrogel to Silicone Elastomer Using a Self-Healing Hydrogel–Elastomer Two-Phase Material	Bhowmick T.;Ghatak A.	7	2025	11000-11011

121	Journal of Polymer Research	Modeling aspects of excluded volume and hydrodynamic interactions in dissipative particle dynamics simulations of highly resolved polymer chains in flow fields	Jana S.;Siva Krishna V.;Kumar P.;Dalal I.S.	32	2025	
122	Macromolecular Theory and Simulations	Effect of Weight Functions on the Dynamics and Rheology of Dilute Polymer Solutions in Dissipative Particle Dynamics Simulations	Jana S.;Dalal I.S.	35	2026	
123	Frontiers of Chemical Science and Engineering	Azeotropic distillation process for methanol-ethyl acetate-water separation: design and control	Srivastava P.;Dadhania P.;Gupta A.;Kaistha N.	19	2025	
124	Proceedings of the Royal Society A Mathematical Physical and Engineering Sciences	Hoop stress and polymer diffusive instabilities in viscoelastic Taylor-Couette flow	Surya Phani Tej P.S.D.;Kumar Mohanty P.;Shankar V.	481	2025	
125	Langmuir	Rheological Behavior of Colloidal Silica Dispersion: Irreversible Aging and Thixotropy	Kumar V.;Joshi Y.M.	41	2025	22804-22819
126	Journal of Membrane Science	Understanding the role of alkyl chain architecture and functional group chemistry in governing ion transport in PEEK based anion exchange membranes: A molecular dynamics study	Sharma R.;Chakraborti T.;Singh J.K.	736	2025	
127	Journal of Physical Chemistry C	Surface and Catalytic Properties of Molten In–Sn and In–Ni for Methane Dry Reforming and Pyrolysis	Cai G.;RajaPrabu N.S.;Srivastava J.;Smith K.J.;Agarwal V.;Upham D.C.	129	2025	13615-13626
128	Journal of Rheology	Hyperaging and stress buildup in soft colloidal gels	Kumar V.;McKinley G.H.;Joshi Y.M.	69	2025	855-871

129	Plant Growth Regulation	Identification of fenugreek (Trigonella foenum-graecum) microRNAs through deep sequencing and prediction of their potential regulatory roles in plant secondary metabolism			2025	
130	Energy and Fuels	Elucidating the Role of a Tantalum-Doped TiO ₂ Electron Transport Layer in Suppressing Halide Segregation in Wide-Bandgap Perovskite Solar Cells	Srivastava S.;Ranjan S.;Sah S.K.;Singh A.;Yadavalli S.K.;Gupta R.K.;Garg A.	39	2025	19462-19475
131	Energy and Fuels	A Facile Process to Synthesize Porous Adsorbents from Clays for CO ₂ Capture	Sharma P.;Gupta R.K.;Sharma H.	39	2025	18946-18958
132	Batteries & Supercaps	Enhanced Oxygen Redox Kinetics and Stability in Li-O ₂ Batteries Using Trimetallic MnCo ₂ -xCu _x O ₄ Spinel Catalysts	Pavithra Kannan; Shivaraju Guddehalli Chandrappa; Raju Kumar Gupta; Annigere S. Prakash		2025	
133	Materials Research Bulletin	Functionalized multiwalled carbon nanotubes in nematic liquid crystals: Enhancing thermodynamic and electro-optical performance	Singh P.K.;Verma H.;Dabrowski R.;Dhar R.;Das S.	195	2026	
134	Npj Flexible Electronics	Cnidarian tentacle-inspired microfluidic patch for improved analyte distribution in multiplex sweat sensing	Inukonda S.M.;Panda S.	9	2025	
135	Journal of Molecular Liquids	Effect of brine composition on the surface energy of calcite and adhesion of oil: Implications for the wettability of limestone rocks	Bind S.;Singh J.K.;Sharma H.	437	2025	
136	Npj Systems Biology and Applications	On the mechanisms of epidermal stemness and differentiation	Shukla S.;Singh R.	11	2025	

137	Journal of Chemical Physics	Shear-induced diffusivity in supercooled liquids	Bhendale M.;Singh J.K.;Zaccone A.	163	2025	
138	Soft Matter	Morphological and microstructural insights into mixed surfactant systems: a molecular dynamics study	Sharma R.;Bhendale M.;Das S.;Mahapatra S.;Singh J.K.	21	2025	7519-7534
139	Journal of Catalysis	A melt-based reaction pathway for CO ₂ and CH ₄ conversion to syngas and carbon using liquid In–Sn	Cai G.;RajaPrabu N.S.;Srivastava J.;Lechner K.;Körber J.;Zong Z.;Smith K.J.;Agarwal V.;Upham D.C.	453	2026	
140	Physical Review Fluids	Study of a thin film of colloidal suspension flowing over a vertical cylinder	Singh G.;Shukla C.;Tiwari N.	10	2025	Jan-20
141	Solar Rrl	Critical Assessment and Sub-System Design of a Solar Tower Simulator for Hydrogen Regeneration by Thermo-Catalytic Ammonia Cracking	Jaiswal S.;Yadav P.K.;Goli S.;Awasthi K.;Deo G.;Chandra L.	9	2025	
142	Journal of Water Process Engineering	Interfacial engineering of CdMnS/gC ₃ N ₄ @rGO heterostructure for visible light-driven photocatalytic degradation of ciprofloxacin	Alam U.;Siddiqui Q.T.;Omar R.A.;Kashif M.;Bhat Z.M.;Sial M.A.Z.G.;Shim J.J.;Qamar M.;Verma N.	79	2025	
143	Physical Review E	Collectively handled spheres self-organize: How friction and dynamics limit the jamming phase diagram	Krishnaraj K.P.	112	2025	

144	Plants	Micropropagation and Phytochemical Characterization of <i>Artemisia ludoviciana</i> Nutt.: Antioxidant Activity and Phenolic Profiles	José Miguel Fernández-Cortés; Andrea Amy Balderas-Robles; Elisa Dufoo-Hurtado; Aurea K. Ramírez-Jiménez; Genaro Ruiz-Campos; Alfredo Madariaga-Navarrete; Ashutosh Sharma; Paola Isabel Angulo-Bejarano		2025	
145	BioTech	Extracts of <i>Argemone mexicana</i> L. Contain Antifungal Compounds for the In Vitro Control of <i>Monilinia fructicola</i> , <i>Colletotrichum gloeosporioides</i> , <i>Fusarium oxysporum</i> , and <i>Sclerotinia sclerotiorum</i> : Preliminary Evidence for Field Application	Iridiam Hernández-Soto; Antonio Juárez-Maldonado; Alfredo Madariaga-Navarrete; Ashutosh Sharma; Antonio de Jesus Cenobio-Galindo; Jose Manuel Pinedo-Espinoza; Aracely Hernández-Pérez; Alma Delia Hernández-Fuentes		2025	
146	Rsc Sustainability	Bismuth ferrite (Bi ₂ Fe ₄ O ₉) nanosheets: an efficient adsorbent for triclosan	Shukla K.;Gupta R.K.	4	2026	438-455
147	Nanoscale Horizons	Surfactant-induced wetting dynamics in the context of hypersaline desalination for membrane distillation	Jacob J.P.;Gupta R.K.	11	2026	478-487

148	Advanced Science	Tailoring Precursor-Solvent Coordination Controls the Crystallization Kinetics and Nuclei Growth for Phase Homogenization in Wide-Bandgap Perovskite Solar Cells	Srivastava S.;Ranjan S.;Suman H.;Sah S.K.;Gupta S.;Mangam S.;Rai S.;Jain J.;Yadavalli S.K.;Tripathi S.;Singh A.;Gupta R.K.;Garg A.	12	2025	
149	Lab on A Chip	Use of poly(glycerol sebacate) as an alternative to poly(dimethylsiloxane) as a platform for making micro-fluidic channels	Ashraf Y.;Ghatak A.	26	2026	89-105
150	Journal of Non Newtonian Fluid Mechanics	Effects of geometric modeling and blood rheology in patient-specific arterial blood flow simulations with speed-accuracy trade-off analysis	Kumar R.;Muralidhar K.;Dalal I.S.	348	2026	
151	Physics of Fluids	Analysis of the tumbling dynamics of highly resolved polymer chains in shear flow with hydrodynamic interactions through Brownian dynamics simulations on graphics processing units	Krishna S.V.S.;Kumar P.;Sharma B.;Dalal I.S.	37	2025	
152	Chemical Engineering Research and Design	Control of a vapor re-compression assisted azeotropic process for ethyl acetate and methanol recovery from wastewater	Mishra K.;Gupta A.;Darji P.;Srivastava P.;Kaistha N.	225	2026	199-210
153	Industrial and Engineering Chemistry Research	Effect of Mineralogy on the Tracer-like Ability of PET-Derived Carbon Quantum Dots	Farooq M.;Sharma H.	64	2025	22540-22551

154	International Journal of Hydrogen Energy	Heptazine-based g-C ₃ N ₄ -supported efficient single atom electrocatalysts for HER/OER/ORR: A first-principles study	Roy S.;Singh J.K.	198	2026	
155	Sustainable Energy and Fuels	Unveiling atomic-scale mechanisms of tantalum-based 2D materials for high-performance Li-S batteries	Upadhyay S.N.;Singh J.K.	9	2025	6772-6783
156	ACS Applied Nano Materials	Copper Nanoparticle-Dispersed Laser-Induced Graphene Film-Based Electrochemical Sensor for Thrombin in Biomimic Samples of Hemophilia	Santra T.;Gupta R.;Misra S.K.;Verma N.	8	2025	17567-17575
157	Journal of Rheology	Isolating the medium amplitude oscillatory shear regime via constitutive modeling	Shanbhag S.;Kumar V.;Joshi Y.M.	70	2026	281-297
158	Langmuir	Emergence of Order in Chemically Active Droplets: Temporal Dynamics and Collective Behavior	Ashraf S.;Kumar P.;Dwivedi P.;Blanc F.;Pillai D.;Mangal R.	42	2026	226-236
159	Journal of Materials Chemistry A	Pentavalent Ta-substitution enhances ionic conductivity and critical current density in NASICON for sodium-ion batteries	Ranawade V.;Gorai D.K.;Singh M.D.;You X.;Shinde A.;Nalwa K.S.;Gupta R.K.;Sang L.;Narayanan S.	14	2026	8243-8256
160	Journal of Materials Chemistry A	Exploring cascaded adsorption cooling cycles with MOF-hydrocarbon integration: an accelerated computational framework using Bayesian optimisation and Monte Carlo simulations	Krishnan S.M.;Singh J.K.	13	2025	38964-38977

161	Langmuir	Surfactant-Mediated Modulation of Thin Droplets Spreading on a Soft Substrate	Jain A.;Goel S.;Pillai D.S.	42	2026	1973-1984
162	Journal of Membrane Science	Hydrogen dissociation and diffusion through molten metal alloy membranes	Byun M.D.;Srivastava J.;Jubeili R.;Agarwal V.;Upham D.C.	741	2026	
163	Journal of Physical Chemistry C	Vapor and Molten Mg-Based Catalysts for Methane Activation	Srivastava J.;Metiu H.;Agarwal V.	130	2026	919-930
164	Journal of The Electrochemical Society	GQD-Decorated Dual Electrochemical Biosensor for the Simultaneous Detection of Ferritin and Vitamin D3 in Serum Samples	Surbhi Sharma; Shagun Gupta; Adesh K Saini; Sant Ram; Raju Kumar Gupta; SASANKA CHAKRABARTI; Komal Shukla; Reena v Saini; Ankur Kaushal		2026	
165	Chemical Engineering Journal	Enhancing fish quality monitoring with a flexible PANI/MoS2-based gas sensor	Jain A.;Panda S.	530	2026	
166	IFAC Journal of Systems and Control	Qualitative behavior analysis of a model underlying the Warburg effect	Palumbo P.;Brotti S.;Singh R.	35	2026	
167	Environmental Science Nano	Cu nanoparticle-tipped carbon nanofibers stabilized over pelletized biochars for catalytic wet air oxidation of tetracycline under mild operating conditions	Mishra S.;Gupta R.;Verma N.	13	2026	1167-1182
168	Physics of Fluids	Analysis of hematocrit–plasma separation in a trifurcated microchannel by a diffusive flux model	Kumar R.;Dalal I.S.;Muralidhar K.	38	2026	

169	Journal of Materials Chemistry A	S-scheme-mediated Ce-NSO/Ce-gCN heterostructure for enhanced photocatalytic hydrogen evolution via sea water splitting	Kumar A.;Gupta R.;Verma N.		2026	
170	Advanced Sustainable Systems	Interface-Engineered Z-Scheme CuX/g-C3N4 (X = S, Se, Te) Nanocomposites for Synergistic Solar-Driven Pollutant Degradation and Hydrogen Evolution	Purayil A.K.;Ravikumar M.P.;Karthikeyan G.;Gupta R.K.;Nguyen C.C.;Mohan S.	10	2026	
171	Chemical Theory and Computation	An Active Learning Algorithm for Identifying Transition States on a Potential Energy Surface	Sandra Liz Simon, Nitin Kaistha, Vishal Agarwal	22	2026	2972–2986
172	Journal of Physical Chemistry C	Electrochemical Descriptors of the Catalytic Activity of Doped Molten Alkali Halide Salts for Methane Pyrolysis	Aditya Goyal, Horia Metiu, Vishal Agarwal	130	2026	5115–5122

Chemistry

173	Journal of Surfactants and Detergents	N-lauroylglutamates with two and four carboxylate head groups: Their interactions with bovine serum albumin	Singh A.;Gupta S.;Neelakshi ;Gurunarayanan V.;Ramapanicker R.	28	2025	501-510
174	Small	Endocytic Uptake of Self-Assembled Iridium(III) Nanoaggregates for Holistic Treatment of Metastatic 3D Triple-Negative Breast Tumor Spheroids	Chaudhary A.;Kumar A.;Swain N.;Chaudhary K.;Sonker H.;Dewan S.;Patil R.A.;Singh R.G.	21	2025	
175	Small Methods	Electrosynthesis of Ru (II)-Polypyridyl Oligomeric Films on ITO Electrode for Two Terminal Non-Volatile Memory Devices and Neuromorphic Computing	Sachan P.;Sharma P.;Kaur R.;Manna D.;Sahay S.;Mondal P.C.	9	2025	

176	Materials Today Energy	Stabilized interface with high discharge voltage in lithium solid-state batteries with an organic cathode	Thorat M.P.;Ali R.;Singh M.D.;Khan M.S.;Bormon R.;Shibi T.P.;Verma S.;Nalwa K.S.	49	2025	
177	Journal of Photochemistry and Photobiology A Chemistry	Effect of halogenation on the photophysics of salicylideneimine-boron compound: An unusual behaviour with bromination	Bhowmik S.;Mondal D.;Arora K.;Neelakandan P.P.;Sen P.	466	2025	
178	Drug Development Research	Linear Antimicrobial Peptide, Containing a Diindolyl Methane Unnatural Amino Acid, Potentiates Gentamicin Against Methicillin-Resistant Staphylococcus aureus	Singh S.;Kaul G.;Shukla M.;Akhir A.;Tripathi S.;Gupta A.;Bormon R.;Nair N.N.;Chopra S.;Verma S.	86	2025	
179	Journal of Molecular Liquids	Exploring synergism in hydrogen-bonded binary solvents through two-photon induced fluorescence spectroscopy	Kant S.;Ali H.;Goswami D.	426	2025	
180	Journal of Molecular Structure	Exploring acid hydration dynamics with thermal lens spectroscopy	Gupta S.K.;Sharma A.;Goswami D.	1335	2025	
181	Organic Letters	Biomimetic Synthesis of Cucurbalsaminone A	Dethe D.H.;Singha C.;Siddiqui S.A.	27	2025	3159-3163
182	Small	Electrocatalytic Hydrogen Evolution Reaction (HER) with Triphenylamine Based Metal-Free Conjugated Porous Organic Polymers (POPs)	Kumar M.;Singh S.;Samanta D.;Kar K.K.;Ghorai M.K.	21	2025	

183	Chemistry A European Journal	Reusable CuO NPs Catalyzed Chemodivergent Transfer Hydrogenation of Azoarenes to Hydrazoarenes and Aniline Derivatives	Thakur S.D.;Gupta S.;Dey S.;Kundu S.	31	2025	
184	Journal of Physical Chemistry Letters	Accurate Determination of Isotope Effects on the Dynamics of H-Bond Breaking and Making in Liquid Water	Malik R.;Stolte N.;Forbert H.;Chandra A.;Marx D.	16	2025	3727-3733
185	ACS Catalysis	Two-Legged Cp*Co(III)(N,O) Complex as Stable Precatalyst for Selective Catalytic Deoxygenation of Secondary Amides	Chakraborty P.;Dutta S.;Pradhan S.;Kumari N.;Maity B.;Cavallo L.;Sundararaju B.	15	2025	6275-6286
186	Chembiochem	Peptide Stapling Using Sonogashira Coupling	Nandan D.;Behera S.K.;Ramapanicker R.	26	2025	
187	ACS Applied Materials and Interfaces	Deciphering the Dilemma of Community Behavior Promotion and Inhibition by Cationic Bactericide-coated Nanoparticles in Gram-Negative Bacteria	Kumar D.;Gayen A.;Chandra M.	17	2025	22308-22321
188	Chemical Communications	Prussian blue analogue heterointerface on a pre-oxidized copper foam surface for enhanced anodic oxidation performance	Goyal A.;Verma S.;Singh L.;Singh B.;Draksharapu A.	61	2025	6823-6826
189	Dalton Transactions	Exploring new frontiers: alliance of pyrazole and thiadiazole in energetic materials	Kumar P.;Ghule V.D.;Dharavath S.	54	2025	7194-7197

190	Inorganic Chemistry	Fine-Tuning the Excited-State Dynamics of Heteroleptic Ruthenium(II) Polypyridyl Complexes with Systematic Variation of Benzazole-Substituted 8-Hydroxyquinolines	Saha A.;Kundu S.;Verma M.;Rajput S.K.;Butcher R.J.;Datta A.;Patra A.K.	64	2025	8906-8922
191	Chemical Communications	Revisiting the sensitive nature of H-FOX: interplay of nitro and hydrazine functionalities to construct an insensitive energetic material	Yadav A.K.;Ghule V.D.;Dharavath S.	61	2025	6901-6904
192	Inorganic Chemistry	Generation of [(N4Py)Fe(IV)=O] ²⁺ through Heterolytic O-O Bond Cleavage in [(N4Py)Fe(II)(OOH)] ⁺	Chen J.;Sardjan A.S.;de Roo C.M.;Di Berto Mancini M.;Draksharapu A.;Angelone D.;Hage R.;Swart M.;Browne W.R.	64	2025	9408-9417
193	Journal of Biosciences	Chronic administration of morphine provokes generation of antibodies to morphine and immunosuppression in individuals with opioid use disorder	Nanda S.;Zafar M.A.;Singh S.;Malik J.A.;Gautam R.;Ghosh A.;Basu D.;Agrewala J.N.	50	2025	
194	Small	Discovery of Cu(II)-Dipyridophenazine Complex for Synergistic Cuproptosis/Chemodynamic Therapy via Disrupting the Tricarboxylic Acid (TCA) Cycle in Metastatic TNBC	Chaudhary A.;Kumar A.;Ankit A.;Singh R.G.	21	2025	

195	Journal of Medicinal Chemistry	De Novo 3-(Phenylcarbamoyl) Benzoate Analogues: Efficacy against Multidrug-Resistant S. aureus and Elucidation of the Biodistribution Profile	Sonker H.;Chaudhary K.;Agrahari B.;Dewan S.;Ankit ;Chaudhary A.;Kumar A.;Swain N.;Singh R.G.	68	2025	10329-10345
196	Organic Letters	Fused Azo-Bridged Triazolo-Pyridazine-Derived Energetic Materials	Nehe S.;Yadav A.K.;Ghule V.D.;Dharavath S.	27	2025	5165-5169
197	Green Chemistry	Biomass-derived sustainable hypergolic rocket propellants with hydrogen peroxide	Chathoth R.M.;Oommen C.;Gozin M.;Dharavath S.;Jujam M.;Chowdhury D.;Das J.	27	2025	6105-6122
198	Angewandte Chemie International Edition	Concise Enantioselective Total Syntheses of Rearranged ent-Trachylobane Diterpenoids (–)-Wallichanols A and B	Dethe D.H.;Sharma N.;Juyal S.	64	2025	
199	Small	Long-Lived Charge Separation Enabled by Molecular Engineering of Phenazine-Based Hole Transport Materials	Aggarwal P.;Chaudhary A.;De S.;Singh R.G.;Govind Rao V.	21	2025	
200	Journal of the American Chemical Society	Unusually Stable Synthetic Diheme Bis-Fe(IV)oxo: An Intermediate in Diheme Enzymes MauG and BthA	Samanta D.;Sarkar S.;Singh D.;Samanta S.;Manna S.;Dubey K.D.;Dey A.;Shaik S.;Rath S.P.	147	2025	22562-22571

201	Small	Theranostic Dual-Action Platform: Ruthenium p-Cymene-Derived Metalloantibiotics With NIR-II Photoacoustic Spectral Signal	Agrahari B.;Chaudhary K.;Dewan S.;Sonker H.;Arjun S.V.;Chandra A.;Awasthi N.;Makari H.;Sinharay S.;Singh R.G.	21	2025	
202	Chemcatchem	Exploring Prussian Blue Analogue-Derived W6+-Doped FeNi-Hydroxide for Electrocatalytic Anodic Oxidation Reactions	Singh L.;Goyal A.;Verma S.;Singh B.;Draksharapu A.	17	2025	
203	Chemical Science	Electrosynthesis of molecular memory elements	Sachan P.;Mahapatra A.;Sai Channapragada L.A.;Kaur R.;Sahay S.;Chandra Mondal P.	16	2025	10990-11001
204	Chemistryselect	Design and Syntheses of Amphicharged Bolaamphiphilic Molecules from L-Lysine and L-Glutamic Acid	Neelakshi N.;Singh A.;Ramapanicker R.	10	2025	
205	Journal of Physical Chemistry A	Effect of Hydrogen Bonding on Ultrafast Intersystem Crossing in 7-Diethylaminothiocoumarin	Dutta A.;Bhowmik S.;Ghosh S.K.;Ramamurthy V.;Sen P.	129	2025	4414-4425
206	Biophysical Journal	Interplay of protein fluctuation and associated water dynamics in osmolyte-induced stabilization	Negi K.S.;Rana S.;Khan T.;Mondal D.;Sen P.	124	2025	2082-2091

207	Journal of Materials Chemistry B	A highly selective indole-based sensor for Zn ²⁺ , Cu ²⁺ , and Al ³⁺ ions with multifunctional applications	Kumar G.G.V.;Sharma P.;Thiruppathi G.;Sundararaj P.;Draksharapu A.	13	2025	7335-7348
208	Journal of Organic Chemistry	Synthesis of Highly Dipolar, Zwitterionic Naphthalene Diimides: Access to Stable, Six-State Amphoteric-Redox Property, and Large NLO Response	Keshri S.K.;Hazra B.;Kumar Y.;Verma M.S.;Chandra M.;Mukhopadhyay P.	90	2025	8160-8166
209	Chemical Communications	Trinitromethyl- and nitramino-substituted triazolo-pyridazines: synthesis and energetic performance	Nehe S.;Yadav A.K.;Ghule V.D.;Dharavath S.	61	2025	9047-9050
210	ACS Applied Nano Materials	Dual Functionality of Bidentate Ligands for Optimized Charge Extraction in Lead Halide Perovskites: Implications for Perovskite Solar Cells	De S.;Chaudhary A.;Yogi A.;Shrivastava N.;Singh R.G.;Yallapragada V.J.;Govind Rao V.	8	2025	12164-12175
211	Journal of Chemical Theory and Computation	Solute Tempered Adiabatic Free Energy Dynamics for Enhancing Conformational Space Sampling	Bajpai S.;Abreu C.R.A.;Nair N.N.;Tuckerman M.E.	21	2025	5928-5940
212	Dalton Transactions	Molecular Ru(II) complexes with universal pH hydrogen evolution performance	Kumar R.;Singh B.;Draksharapu A.	54	2025	9346-9351
213	Journal of Medicinal Chemistry	Self-Assembling Imidazolium Nanoaggregates Trigger a Unique Dynamin-Dependent Cell Death via Cytoplasmic Vacuolization and Mitochondrial Dysfunction in Human Lung Adenocarcinoma	Dewan S.;Sonker H.;Chaudhary K.;Agrawal S.;Chaudhary A.;Kumar A.;Agrahari B.;Singh R.G.	68	2025	11801-11819

214	Journal of Physical Chemistry B	Unraveling the Anisotropy of Intermolecular Interactions of Water at the Liquid-Vapor Interface with Terahertz Sum Frequency Generation Spectroscopy Using a Polarizable Force Field	Dan S.;Dey R.;Chandra A.	129	2025	6069-6077
215	Journal of Porphyrins and Phthalocyanines	Green light for photoredox catalysis by corroles and porphyrins	Ianovici T.;Sinha W.;Sharma V.K.;Manna S.;Samanta D.;Mahammed A.;Rath S.P.;Gross Z.	29	2025	751-758
216	Chemnanomat	Unveiling the Role of Molecular Structure in Microscopic Thermodynamics: Insights from Probing Trapped Nanoparticles with Femtosecond Optical Tweezers	Singh A.;Mondal D.;Singh K.K.;Kumar D.;Goswami D.	11	2025	
217	Journal of Organic Chemistry	Asymmetric Ring-Opening Transformation of Racemic Aziridines: Enantioselective Route to Benzodiazepines	Sharma A.K.;Yadav S.;Sengupta A.;Rahman N.;Ghorai M.K.	90	2025	10709-10724
218	Nanoscale Advances	Nucleobase self-assembly: aggregation, morphological characterization, and toxicity analysis	Dave R.;Jaiswal A.;Singh A.;Naseer A.;Patel M.;Nazir A.;Bhatia D.;Gour N.;Verma S.	7	2025	5093-5103
219	Chemistry A European Journal	Fine-tuning the Photochemistry of Sulfur-Based Linkages with Ruthenium(II) Polypyridyl Complexes for Optimal PACT Application	Mishra R.;Chatterjee P.;Verma M.;Sivakumar S.;Patra A.K.	31	2025	

220	Communications Chemistry	Synthesis of 3,3-oxaspirocycles via cobalt-catalyzed cascade C-H activation and carboamidation of alkynes	Garai B.;Ali M.R.;Premkumar J.R.;Sundararaju B.	8	2025	
221	Journal of the American Chemical Society	Cobalt-Catalyzed Enantioselective and Diastereodivergent Construction of C–N Atropisomers	Das A.;Kumaran S.;Maity P.;Premkumar J.R.;Sundararaju B.	147	2025	26226-26237
222	Chemical Science	A priori Design of [Mn(i)-Cinchona] catalyst for Asymmetric Hydrogenation of Ketones and β -Keto carbonyl Derivatives	Paira S.;Jain N.;Adhikari D.;Sunoj R.B.;Sundararaju B.	16	2025	13826-13837
223	Polyhedron	Acidic microhydrated Portlandite $\text{Ca}^{2+}(\text{OH})_2(\text{H}_2\text{O})_2$: Temperature driven cyclic to acyclic hydrogen-bonding networks	Kumar A.;Kuntail J.;Yadav K.;Naaz F.;Rathore R.;Prasad D.L.V.K.	279	2025	
224	Journal of Catalysis	Caffeine carbon supported reusable cobalt catalyzed reductive amino formylation of carbonyl compound using ammonium formate	Dey S.;Thakur S.D.;Roy T.;Sau A.;Debnath R.;Bal R.;Kundu S.	450	2025	
225	Chemsuschem	Condition-Modulated Regiodivergent Transfer Hydrogenation of Epoxide using Methanol as Sustainable H_2 Source	Borthakur I.;Nandi S.;Garg I.;Sadhu B.;Kundu S.	18	2025	
226	Chemsuschem	Ir(III) Complex-Catalyzed Base-Free Chemodivergent Transfer Hydrogenation of Enones Utilizing Methyl Formate under Aqueous Media: Modulating 1,4-versus 1,2-Insertion	Sau A.;Mahapatra D.;Ghosh T.K.;Maity A.;Panja D.;Dey S.;Kundu S.	18	2025	

227	ACS Applied Nano Materials	UV Mediated Thickness Control of Colloidal Blue-Emitting 2D CsPbBr ₃ Nanoplatelets	Sen A.;Sen P.	8	2025	13975-13980
228	Angewandte Chemie International Edition	Small Molecule Promoters of Endogenous Lipid Droplet Accumulation Drive Lysophagy	Vechalapu S.K.;Duraisamy S.;Senthil S.;Kumar R.;Ajnar D.;Draksharapu A.;Kumar S.;Allimuthu D.	64	2025	
229	Journal of Materials Chemistry C	Tailored molecular engineering of mesoporous silica for high concentration Er doping and unconventional 1640 nm luminescence	Ghosh S.;Mondal S.;Kaur R.;Daripa B.;Mondal P.C.;Dhar A.	13	2025	15919-15929
230	Small	Counterions Drive Memory Functionality in Two-Terminal Viologen-based Molecular Junctions	Mahapatra A.;Ghoshal A.;Parashar R.K.;Pal S.;Adhikary S.;Mondal P.C.	21	2025	
231	Rsc Medicinal Chemistry	Rational design of gold(i)-NHC complexes as anticancer agents: induction of necroptosis and paraptosis in lung adenocarcinoma	Dewan S.;Sonker H.;Chaudhary K.;Singh R.G.	16	2025	4208-4219
232	Inorganic Chemistry Frontiers	A redox-active iron complex as an immunogenic cell death-I inducer with NIR-II photoacoustic properties: a potential theragnostic agent for “cold tumors”	Kumar A.;Chaudhary A.;Ankit A.;Gond S.K.;Venkatraman A.S.;Sinharay S.;Singh R.G.	12	2025	5658-5675

233	Chemistry A European Journal	Exploring Hydrogen-Bonded 3D MOFs: High-Performance, Thermally Stable Self-Assembled Iodine-Encapsulated Frameworks with Optimal Energetic Potential	Jujam M.;Rajak R.;Kumar N.;Ghule V.D.;Dharavath S.	31	2025	
234	Journal of Materials Chemistry A	Diazido nitro pyrazoles: unlocking high-performance primary explosives with binder capabilities	Kumar P.;Dharavath S.	13	2025	20355-20362
235	New Journal of Chemistry	Re-engineering of the FOX-7 structure: computational assessment of structural modifications on explosive performance and safety	Sharma K.;Devi R.;Ghule V.D.;Dharavath S.	49	2025	10479-10487
236	Journal of Chemical Physics	Hexadecanol monolayer at aqueous surface diminishes the effects of iodide ions on interfacial water: A theoretical vibrational sum frequency generation spectroscopic study	Chandra A.;Das B.;Chandra A.	163	2025	
237	Journal of Physical Chemistry B	Terahertz and Dielectric Spectroscopy of Aqueous MgCl ₂ Solutions: Self- and Cross-Correlation Contributions of Permanent and Induced Dipoles Using Polarizable Models	Vishwakarma H.K.;Chandra A.	129	2025	6954-6964
238	Journal of Computational Chemistry	Conformational Changes and Free Energy Landscape of the Unbinding of External Aldimine at the Active Site of Ornithine Decarboxylase in Aqueous Medium	Rastogi S.;Chandra A.	46	2025	

239	Journal of Physical Chemistry B	Terahertz Spectroscopy of Aqueous Solutions of Alkali (M) Chlorides Using Polarizable Models: Self- and Cross-Correlation Contributions of Ions and Hydration Shell Water for $M^+ = Li^+, Na^+, K^+, Rb^+, \text{ and } Cs^+$	Sharma D.;Chandra A.	129	2025	6050-6060
240	Journal of Physical Chemistry B	Free Energy Landscape and Mechanistic Pathways of Transimination Reaction at the Active Site of Ornithine Decarboxylase Using Hybrid OM/MM Simulations	Rastogi S.;Chandra A.	129	2025	7069-7078
241	Journal of Molecular Liquids	Photo thermal response of carboxylic modulators using thermal lens spectroscopy	Sharma A.;Gupta S.K.;Goswami D.	436	2025	
242	Chemistry an Asian Journal	Compositional Analysis of Fragrance Accords Using Femtosecond Thermal Lens Spectroscopy	Goswami R.;Rawat A.K.;Goswami S.;Goswami D.	20	2025	
243	Polyhedron	Synthesis and structural studies of 1-naphthyl and mesityl ligand bearing organotellurium(II and IV) derivatives	Tripathi A.K.;Singh P.;Anamika ;Bera J.K.;Duthie A.;Butcher R.J.	272	2025	
244	Organometallics	Carbamoylation on a $Mn(CO)_3$ Complex	Patra M.;Pandey P.K.;Kumari A.;Pal N.K.;Bera J.K.	44	2025	1452-1457
245	Journal of Organic Chemistry	A Synthetic Route to Functionalized Thiopyran Derivatives via Domino Ring-Opening Cyclization (DROC) of Donor-Acceptor Cyclopropanes with Pyridinium Thiolates	Yadav S.;Sharma A.K.;Mandal P.;Manna P.;Ghorai M.K.	90	2025	8496-8506

246	ACS Infectious Diseases	SARS-CoV-2 Evolved Variants Bind to Sialylated Gangliosides and Are Inhibited by a Tetravalent Sialo-Glycocluster	Negi G.;Pandey V.K.;Postraraju P.S.;Jaiswal M.K.;Harshan K.H.;Tiwari V.K.;Parveen N.	11	2025	3036-3049
247	Journal of Environmental Chemical Engineering	Indole-derived multi-ion chemosensor for turn-on fluorescence and bio-imaging detection of Zn ²⁺ , Al ³⁺ , and Fe ³⁺ ions	Kumar G.G.V.;Kumar R.;Thiruppathi G.;Sundararaj P.;Draksharapu A.	13	2025	
248	Inorganic Chemistry	Mechanistic Insights into the Formation of a Ni(III) Bisphenoxyl Diradical Species	Awasthi A.;Bhadauriya K.;Draksharapu A.	64	2025	14864-14870
249	Inorganic Chemistry	Formal Cu(III) Species Featuring Dangling Hypochlorite	Eerlapally R.;Dua P.;Hareendran D.L.;Charisiadis A.;Velasco L.;Sauvan M.;Verma I.;Moonshiram D.;Rajaraman G.;Draksharapu A.	64	2025	13103-13114
250	ACS Applied Nano Materials	Ruthenium-Integrated Nickel Selenide Nanoparticles for Efficient Multifunctional Electrocatalysis	Verma S.;Singh L.;Goyal A.;Singh B.;Draksharapu A.	8	2025	13522-13531
251	Journal of Polymer Science	Closed-Loop Recycling of Covalent Adaptable Network (CAN) Derived From Dopamine and Waste PET	Gupta V.;Sarkar R.	63	2025	2237-2247
252	Asian Journal of Organic Chemistry	Dearomative Amination Cyclization of Tryptamines and Tryptophols via Enantioselective 1,6-Addition of p-Quinone Diimides (p-ODIs)	Subba P.;Khajuria C.;Singh V.K.	14	2025	

253	Organic Letters	Organocatalytic Atroposelective Cross-Coupling of 2-Naphthols with Diaryliodonium Salts	Sahoo S.R.;Singh V.K.	27	2025	4085-4089
254	Chemical Communications	Closed-loop recyclable cross-linked polymeric materials via dynamic transesterification	Kumar P.;Agarwal Y.;Majumdar S.;Sarkar R.	61	2025	14641-14644
255	Advanced Synthesis and Catalysis	Axial-to-Point Chirality Transfer: Chromium(VI)-Catalyzed Hydroxylative Dearomatization of 2-Naphthols	Sahoo S.R.;Singh V.K.	367	2025	
256	Journal of Chemical Sciences	Conformational changes and domain motion of active site loops of apo and holo forms of serine hydroxymethyltransferase enzyme in aqueous medium	Rastogi S.;Soniya K.;Chandra A.	137	2025	
257	Angewandte Chemie International Edition	Accessing Strain Engineered V-Fe(O)OH from Prussian Blue Analogue Precatalyst for Efficient Anodic Oxidation Reactions	Singh B.;Verma S.;Mannu P.;Binh T.H.;Dong C.L.;Draksharapu A.	64	2025	
258	Small	Suppressing Phase Instability and Iodide Expulsion in Mixed-Halide Perovskites via Directed Hole Transfer and Defect Management	Gupta S.;Patel H.;Aggarwal P.;De S.;Govind Rao V.	21	2025	
259	Inorganic Chemistry Frontiers	A water-soluble photolabile ruthenium(ii) complex with a terpyridyl-dicarboxylate ligand: photocytotoxicity triggered by structural strain	Chatterjee P.;Verma M.;Sonkar A.K.;Saha A.;Mishra R.;Sivakumar S.;Patra A.K.	12	2025	8288-8303
260	Polymer	Designing super tough, highly stretchable, and multi-responsive hydrogels with self-healing properties	Dixit A.;Sarkar R.	338	2025	

261	Chemistry of Materials	Hexaazatriphenylene–Diaminobenzidine Covalent Organic Framework: A Promising Nitrogen Abundant Material for Electrochemical Energy Storage Applications	Kar K.;Rahaman S.;Liu Y.;Bhalerao K.D.;Jyothilal H.;Duff B.B.;Mayanglambam D.S.;Sundararaju B.;Radha B.;Biradha K.;Keerthi A.	37	2025	6271-6281
262	Molecular Catalysis	One-pot synthesis of perimidine scaffolds containing fertigines via dehydrogenative coupling of two different alcohols with	Pradhan M.;Mandal A.;Kundu S.	586	2025	
263	Biointerphases	Dissecting the role of substrate folding in enzymatic digestion	Das N.;Khan T.;Chaudhury S.;Sengupta B.;Sen P.	20	2025	
264	International Journal of Quantum Chemistry	A New Green's Function Formalism for Kinetic Energy Density Functional for Atomic and Molecular System: Emergence of N-Dependence Using Model Potentials	Priya ;Sadhukhan M.	125	2025	
265	Journal of Materials Chemistry C	Magnetic field enhanced charge conduction in paramagnetic nickel(ii)-cysteine heterostructures	Mandal M.;Ghoshal A.;Malik A.;Mondal P.C.	13	2025	17715-17727
266	Small	Covalent Functionalization Yields High-Performance Supercapacitor Materials	Singh N.;Makkar P.;Sachan P.;Malik A.;Katin K.P.;Mondal P.C.	21	2025	
267	Journal of Medicinal Chemistry	Water-Soluble Ruthenium(II) p-Cymene Complexes Mitigating Intracellular S. aureus Infection: Bridging Antibacterial Défense and Anticancer Therapy	Sonker H.;Dewan S.;Chaudhary K.;Agrahari B.;Rathore N.;Jain P.;Singh R.G.	68	2025	17897-17916

268	Dalton Transactions	Crystal engineering of dinitropyrazine-based sodium E-MOFs: toward thermally robust and low-sensitivity energetic materials	Jujam M.;Yadav A.K.;Dharavath S.	54	2025	13347-13355
269	Energetic Materials Frontiers	Nitrogen-rich triazine, triazolo and tetrazolo-triazine-based energetic compounds: A new class of fluorinated organic explosives	Kumar P.;Mathpati R.S.;Ghule V.D.;Dharavath S.	6	2025	326-331
270	ACS Chemical Neuroscience	Hydrogen Sulfide–Releasing Insulin Polypeptide Mitigates Hyperglycemia-Induced Neurotoxicity and Cognitive Deficits In Vivo	Ali R.;Sen S.;Hameed R.;Waseem A.;Gautam S.R.;Onkar A.;Ganesh S.;Raza S.S.;Nazir A.;Verma S.	16	2025	3323-3339
271	Biochemical and Biophysical Research Communications	Catechol 2,3-dioxygenase isoenzymes from Diaphorabacter sp. strain DS2 demonstrate different substrate preferences	Singh D.;Ramanathan G.	782	2025	
272	Tetrahedron Letters	Enantioselective Mannich reaction of 2-fluoro-1,3-diketones to ketimines: access to fluorinated α -amino acid derivatives	Saini N.;Gupta K.;Khajuria C.;Singh V.K.	171-172	2025	
273	Journal of Chemical Physics	Femtosecond-laser-induced optical confinement with ping-pong motion	Singh K.K.;Singh A.;Kumar D.;Goswami D.	163	2025	
274	Inorganic Chemistry	BioinspiredOxidized Dicobalt Porphyrin Dimer-CatalyzedCycloaddition Reactions: Cooperative Catalysis and Spectroscopic andMechanistic Investigation	Samanta D.;Chakraborty N.;Pandit Y.A.;Garribba E.;Rath S.P.	64	2025	17696-17711

275	Macromolecules	Benzyl Thioether: A Dynamic Covalent Motif for Covalent Adaptable Networks	Vatsalya Gupta and Ramkrishna Sarkar	58	2025	
276	Journal of Physical Chemistry B	Evaporation of Ethanol from Liquid Ethanol and Water–Ethanol Mixtures: Mechanism, Kinetics, and Free Energy Changes for Different Compositions of the Mixtures	Pandey P.K.;Chandra A.	129	2025	9737-9744
277	Physical Chemistry Chemical Physics	Effects of salt concentration on the structure and vibrational sum frequency generation spectra of liquid/vapor interfaces of aqueous solutions of metal nitrates	Chandra A.;Chandra A.	27	2025	19748-19761
278	Journal of Molecular Structure	Development of powerful electron-donating group bearing organotellurium(II and IV) derivatives	Singh P.;Singh B.;Misra S.;Tripathi A.K.;Pandey P.K.;Bera J.K.;Duthie A.;Butcher R.J.	1350	2026	
279	Journal of Materials in Civil Engineering-ASCE	Understanding the Effectiveness of Microwave Irradiation bApproach for Improving the High Temperature Storage Stability of Crumb Rubber Modified Asphalt Binder.	Das, D., Ashish, P.K., Sarkar, R., Thakur, A.		2025	
280	ACS Applied Nano Materials	Para-Substituent Effects on Interfacial Binding and Fast Hole Transfer Dynamics in CsPbBr ₃ Nanocrystals for Perovskite-Based Photocatalysis	Sarkar P.;Sen P.	8	2025	16759-16769

281	Chemical Science	Acid vapor-induced enhanced electrical current rectification in phenothiazine-based electronic devices	Kumari R.;Pal N.;Kaur R.;Gunjan ;Sharma R.;Manna D.;Katin K.;Mondal P.C.;Milton M.D.	16	2025	18190-18200
282	Journal of Materials Chemistry C	Asymmetric charge injection barrier yields high rectification in a rhenium(i)-organometallic compound	Rajbangshi S.;Pal N.;Gupta R.;Rahman R.;Sachan P.;Nesterov V.N.;Roy L.;Ghosh S.;Zharnikov M.;Mondal P.C.	13	2025	20074-20084
283	Journal of Materials Chemistry C	Stabilizing a cis viologen via co-crystal engineering: electric and magnetic fields are in action to confirm no π -mer formation	Parashar R.K.;Kamal A.;Manna D.;Singh V.;Mondal P.C.	13	2025	19829-19841
284	ChemPhysChem	Cover Feature: Molecular Simulation Insights into Acid Gas Interactions within Ni-Based Fluorinated Square-Pillared Metal-Organic Framework (ChemPhysChem 14/2025)			2025	
285	ACS Applied Materials & Interfaces	Eccentric Corrosion-Induced Formation of γ -NiFeOOH and γ -NiCoOOH on NiFeCo Alloy for Enhanced OER	Sneha Mittal; Balakumaran Kamaraj; Sandeep Yadav; Pracheta Trivedi; Neha Clare Minj; Anantharaj Sengeni		2025	

286	ACS Sustainable Chemistry & Engineering	Repurposed Cu Scrap Featuring CuO/Cu(OH) ₂ Nanostructures as a High-Performance Anode for OER-Masking Small Molecule Electrooxidation	Neha Clare Minj; Balakumaran Kamaraj; Sneha Mittal; Sandeep Yadav; Pracheta Trivedi; Anantharaj Sengeni		2025	
287	Polymer chemistry	"Upcycling of polymer waste to closed-loop recyclable polymers	Sourabh Singh and Ramkrishna Sarkar		2025	
288	Physical Chemistry Chemical Physics	Revealing the activation barrier for the on-surface thermal-induced cis → trans isomerization of azobenzene derivatives	Birla H.;Halbritter T.;Heckel A.;Gopakumar T.G.	27	2025	20828-20837
289	Computational and Theoretical Chemistry	Tuning the fused [1, 2, 4] triazolo-triazine core: enhancing detonation performance and safety through strategic functionalization	Sharma K.;Deore H.B.;Ghule V.D.;Dharavath S.	1254	2025	
290	Macromolecules	Design of a Recyclable Thiol–ene Network with Dynamic Ether Linkages: Regulations of Creep and Dynamicity	Kumar P.;Patwal R.;Sarkar R.	58	2025	12378-12387
291	Electrocatalysis	Electrochemical CO ₂ -Reduction to Formate over Activated-Carbon-Supported Transition Metals (M = Cu, Fe, Zn, Ni, Co)-Based High-Entropy Oxide	Verma N.K.;Sundararaju B.;Verma N.	17	2026	84-98
292	Journal of Computational Chemistry	K4 Carbon Modifications by Modulating Phonon Eigenvectors	Yadav K.;Prasad D.L.V.K.	46	2025	
293	Advanced Functional Materials	Induced Chirality Meets Chiral Amino Acid for Enhanced Sensing: A Concept of Chiroelectronics	Mandal M.;Yadav A.;Malik M.;Das S.;Mahapatra A.;Katin K.P.;Mondal P.C.	36	2026	

294	Chemical Communications	Ti ₃ C ₂ TX-based Zr@MXene for CO ₂ capture and conversion	Jaiswal D.;Sharma C.;Roy S.;Pandey P.K.;Quiyoom A.;Kumar V.;Chebrolu S.;Rakshit P.K.;Singh J.K.;Bera J.K.	61	2025	17693-17696
295	Journal of Medicinal Chemistry	Discovery of Ruthenium(Arene) Metalloantibiotics: Advancing Selective and Potent Therapeutics against Gram-Negative Acinetobacter baumannii	Chaudhary K.;Agrahari B.;Sonker H.;Dewan S.;Singh R.G.	68	2025	22264-22287
296	Inorganic Chemistry	Supramolecular Engineering for Tailored High-Energy-Density Materials: Host–Guest Strategies toward Safer Explosives and Iodine-Rich Agent Defeat Weapon	Banik S.;Ghule V.D.;Dharavath S.	64	2025	21667-21673
297	Journal of Physical Chemistry B	Mechanism and Free Energy Landscape of tRNA Charging at the Active Site of Leucyl tRNA Synthetase: A QM/MM Simulation Study with Enhanced Sampling	Dutta S.;Nandi N.;Chandra A.	129	2025	11183-11196
298	Journal of Molecular Liquids	Revealing synergistic photo-thermal lens effects in binary DMF mixtures	Sharma A.;Kant S.;Kotwal S.;Goswami D.	438	2025	
299	Journal of Molecular Structure	Discriminative detection of Cu ²⁺ , Al ³⁺ , and Cr ³⁺ using an indole-based Schiff base chemosensor: DFT insights, molecular logic gates, and real water analysis	Kumar G.G.V.;Draksharapu A.	1352	2026	

300	Macromolecules	Enabling the Recyclability of Epoxy Networks via Dynamic Ether Linkages	Patwal R.;Kumar P.;Gupta V.;Sarkar R.	58	2025	13169-13179
301	Chemical Science	Tunable mechanics and energetics in structurally diverse TNPG-based metal organic networks	Karak S.;Khata S.;Ahmad S.;Yadav A.K.;AlMasoud N.;Alomar T.S.;Dharavath S.;Reddy C.M.;Banerjee R.	16	2025	21508-21517
302	Physical Chemistry Chemical Physics	Exploring the role of counterions in the electrochromic performance of redox-active viologen	Parashar R.K.;Kandpal S.;Kamal A.;Bansal L.;Gupta K.;Kumar R.;Mondal P.C.	27	2025	25837-25847
303	Journal of Physical Chemistry B	Nature of Hydrated Electron in Varied Solvation Environments	Kar R.;Nair N.N.	129	2025	12912-12921
304	Journal of Physical Chemistry B	Associated Water Stabilization Mechanism Reconciles the Enigmatic Differential Response of Proteins to a Single Osmolyte	Negi K.S.;Khan T.;Sen P.	130	2026	1490-1502
305	Protein Science	Role of associated water in stabilizing human γ -D crystallin under crowded eye lens conditions	Singh B.;Ghosh S.;Rana A.;Karnwal H.;Sen P.	34	2025	
306	ACS Applied Bio Materials	N-(Arylcabamothioyl)benzamide Derivatives as Selective Antimycobacterial Agents and Their Supramolecular Structural Features	Mahapatra A.D.;Kambhale P.;Malik P.;Ali J.;Kumar P.;Dasgupta A.;Sista S.;Rahman M.I.;Chopra S.;Allimuthu D.	8	2025	10620-10631

307	Angewandte Chemie International Edition	Turning Superparamagnetic Nanoparticles Into Ferromagnetic at Room Temperature via Molecular Functionalization for Magnetic Memory Applications	Singh N.;Pritam A.;Singh V.;Katin K.;Fransson J.;Mondal P.C.	65	2026	
308	Organic Chemistry Frontiers	Synthesis of azepino[4,5-b]indoles and benzo[f][1,5]diazecine-2,8(1H,3H)diones: promising anti-cancer activity toward cervical and brain cancer	Singh B.;Kashyap S.;Goswami G.;Kumar A.;Ranjan P.;Chahar P.;Sen S.;Mal R.;Singh R.G.;Ghorai M.K.	13	2026	777-787
309	Dalton Transactions	Hemiparetic koneramine NNP ligand comprising strategic hard and soft donors: transition metal complexes, CS2 activation and therapeutic potential	Yadav A.;Dewan S.;Chaudhary K.;Butcher R.J.;Singh R.G.;Angamuthu R.	54	2025	17471-17478
310	Inorganic Chemistry Frontiers	Stabilization of the double sandwich structure of mercury(ii) porphyrins: Hg...Hg...Hg interactions and structure–function correlation	Sarkar A.;Chandel D.;Begg M.N.;Pandey A.K.;Dutta N.;Pal C.;Usman M.;Datta A.;Rath S.P.	13	2026	163-174
311	Physical Chemistry Chemical Physics	On the origin of fragments observed in electron ionisation mass spectrometry of water clusters in superfluid helium nanodroplets	Gupta R.;Singha S.;Yashika ;Mani D.	27	2025	23865-23879
312	Journal of Chemical Sciences	A single electrolyzer-making amides and α -ketoamides together: A “sweet fusion” of electrocatalysis and chemocatalysis!	Anantharaj Sengeni		2025	
313	Polymer Chemistry	Upcycling of polymer waste to closed-loop recyclable polymers	Singh S.;Sarkar R.	16	2025	4870-4880

314	Inorganic Chemistry	Cooperative 3-Pyridonate-Functionalized Zinc(II) Imidazolium Catalysts for CO ₂ Cycloaddition to Challenging Epoxides at Ambient Conditions: A Pathway to Renewable Cyclic Carbonates	Chowdhury R.;Jegadeesan S.;Sachan S.K.;Anantharaman G.	64	2025	24032-24045
315	Journal of Chemical Sciences	Quantum dynamical studies on a model for reactions exhibiting post-transition state bifurcation	Kumar A.;Keshavamurthy S.	137	2025	
316	Journal of Organic Chemistry	Selective Functionalization of 2-Amino-Azoles with Methanol and Ethanol Using a Pincer-(NHC)Mn(I) Complex	Mandal A.;Pradhan M.;Giri S.;Nandi S.;Kundu S.	90	2025	11572-11586
317	Advanced Synthesis and Catalysis	Hydricity Modulated Methylation of Indoles and Nitriles Using Methanol: Selective Synthesis of C3-Methylated Indoles, Bisindolylmethanes, and α -Methylated Nitriles	Pradhan M.;Mandal A.;Tiwari P.;Borthakur I.;Borpuzari M.P.;Kundu S.	368	2026	
318	Chemtexts	Why the size and shape of molecules matter: the molecular weight, structure, and properties of paraffins	Aishwarya A.;Tyagarajan S.;Nehe S.;Dharavath S.	12	2026	
319	Synthesis Germany	Ethyl 3-Ethoxy-3-iminopropanoate Hydrochloride: A Versatile Precursor for Generating Next-Generation Energetic Materials	Kukreja S.;Dharavath S.	58	2026	605-620
320	Chemistry an Asian Journal	Triazole-Based Tricyclic Energetics: High Performance With Tuned Insensitivity	Jujam M.;Kumar N.;Ghule V.D.;Dharavath S.	21	2026	

321	Advanced Synthesis and Catalysis	Enantioselective Synthesis of Pyrano[3,2-c]coumarin Bearing Aza-Quaternary Stereocenter via [3 + 3] Annulation Reaction with α -CF ₃ Alkynyl Ketimines and 4-Hydroxycoumarins	Saini N.;Khajuria C.;Gupta K.;Singh V.K.	368	2026	
322	Journal of Chemical Physics	Terahertz and dielectric spectral calculations of aqueous CaCl ₂ solutions using polarizable models: Intra- and inter-species contributions involving permanent and induced dipoles and ion current	Vishwakarma H.K.;Malik R.;Chandra A.	163	2025	
323	Journal of Physical Chemistry B	Evaporation Kinetics and Vibrational Sum Frequency Generation Spectroscopy of Water Layers on Graphene and Graphene Oxide Surfaces	Pandey P.K.;Dan S.;Chandra A.	129	2025	12019-12031
324	Physical Chemistry Chemical Physics	Effects of trimethylamine N-oxide and urea on the structure of water at liquid–vapor interfaces studied through theoretical vibrational sum frequency generation spectroscopy	Negi A.;Malik R.;Chandra A.	28	2026	1196-1206
325	Bioorganic and Medicinal Chemistry	Diindolylmethane containing peptides inhibit invasion and epithelial-mesenchymal transition associated gene expression in hormone-dependent breast cancer	Singh S.;Gupta N.;Mishra D.P.;Verma S.	132	2026	
326	Resonance	Sir Geoffrey Wilkinson: Architect of Modern Organometallic Chemistry	Patra M.;Bera J.K.	30	2025	1319-1328

327	Journal of Organic Chemistry	A Synthetic Route to Hexahydroimidazoquinolines via Ring-Opening Cyclization of Aziridines with Tetrahydroquinoline	Mandal P.;Sharma V.;Sharma A.K.;Yadav S.;Ghorai M.K.	90	2025	16555-16567
328	ACS Applied Nano Materials	Green–Red Emissive Carbon Dots Interact with Lipidic Membranes: Implications for Staining and Penetrating Cellular Membranes	Jangra P.;Dhanawat G.;Parveen N.	8	2025	22466-22475
329	Inorganic Chemistry Frontiers	A ruthenium(ii) polypyridyl complex as a luminescent chemodosimetric probe for selective and sensitive detection of phosgene and nerve agent simulant	Sayala J.;Shukla N.;Patra A.K.	13	2026	1551-1567
330	Chemistry A European Journal	Selective Recognition of Physiological Phosphates by Luminescent Europium(III) Probes via Analyte-Specific Energy-Transfer Pathways	Panigrahi G.;Pradhan S.;Shukla N.;Patra A.K.	31	2025	
331	Nanoscale	Helper lipids accelerate the mass transfer of cationic lipid nanoparticles resulting in an efficient gene delivery	Sharma A.;Khushika ;Chaudhary M.;Jana P.K.;Parveen N.	18	2026	1420-1432

332	ACS Chemical Neuroscience	Hydrogen Sulfide--Releasing Insulin Polypeptide Mitigates Hyperglycemia-Induced Neurotoxicity and Cognitive Deficits In Vivo	Ali, Rafat and Sen, Shantanu and Hameed, Rohil and Waseem, Arshi and Gautam, Swapnil Raj and Onkar, Akanksha and Ganesh, Subramaniam and Raza, Syed Shadab and Nazir, Aamir and Verma Sandeep.		2025	
333	Journal of Physical Chemistry Letters	Protease-Mediated Shedding and Intermittent Mobility of the SARS-CoV-2 Delta Variant	Dey M.;Potharaju P.S.;Khushika ;Harshan K.H.;Jana P.K.;Parveen N.	17	2026	325-333
334	Advanced Healthcare Materials	Microfabricated Liver-on-a-Chip with Membrane-Free Endothelial–Hepatic Interface for Long-Term Culture and Drug-Induced Liver Injury Modeling	Sati P.;Ali R.;Verma M.;Tiwari N.;Verma S.;Sivakumar S.		2026	
335	Journal of Physical Chemistry B	Convective Onset in Thermal Lensing: Systematic Pulse-Number-Dependent Experiments and Theoretical Insights into the Femtosecond Regime	Sharma A.;Goswami D.	130	2026	788-799
336	Physical Chemistry Chemical Physics	Kinetics of barrier crossing events from temperature accelerated sliced sampling simulations	Saurav S.;Das D.;Javed R.;Nair N.N.	28	2026	3721-3733

337	ACS Infectious Diseases	Ir(III) Nanoaggregates as Photodynamic Antimicrobial Agents against Resistant S. aureus in a Wound Healing Mouse Model	Chaudhary A.;Sonker H.;Chaudhary K.;Kumar A.;Awasthi N.;Agrahari B.;Singh R.G.	12	2026	555-571
338	Chemistry A European Journal	Making and Breaking: Supramolecular Chirality Modulation via Stepwise Assembly and Disassembly of Nano-Size Trizinc(II)Porphyrin Trimers	Chandel D.;Pescitelli G.;Rath S.P.		2026	
339	Journal of Physical Chemistry Letters	Spectral Fingerprints of Hydrogen-Bonding in Water Solvation of Amino Acids	Lanzi C.;Mani D.;Ashraf H.;Conte R.;Schwaab G.;Havenith M.;Ceotto M.	17	2026	888-895
340	ACS Sustainable Resource Management	Air-Stable Copper(I) Borohydride for Carbon Disulfide Mitigation through Sustainable Hydride Transfer	Yadav A.;Angamuthu R.	2	2025	2482-2488
341	Theoretical Chemistry Accounts	An investigation into the nonconformity of homogeneous gas limit for kinetic energy density of atomic systems	Priya P.;Panda A.;Basu S.;Sadhukhan M.	145	2026	
342	Small	π -Conjugated Blatter Radicals: Molecular Structure-Driven Modulation of Optoelectronic Properties and Electrical Conductivity	Rajput S.K.;Kaur R.;Yadav M.;Sahoo A.;Chechik V.;Samanta P.K.;Mondal P.C.;Mothika V.S.	22	2026	

343	Dalton Transactions	Fused pyrazolo[3,4-d]pyrimidine nitrogen-rich salts with balanced energetic performance	Nehe S.;Ghule V.D.;Dharavath S.	55	2026	2025-2029
344	Organic Letters	Privileged Scaffold Hybridization for Rigid Tetracyclic Energetics: Uniting Performance, Stability, and Safety	Nehe S.;Ghule V.D.;Dharavath S.	27	2025	13810-13815
345	Journal of Materials Chemistry A	A thermally resilient high-performing metal-free primary explosive	Kukreja S.;Yadav A.K.;Dharavath S.	13	2025	39021-39031
346	Chemistry A European Journal	Brønsted Acid Catalyzed Remote Bisvinylogous Initiated Formal [4+2] Cycloaddition Reaction of β -Allyl Cycloalkenones With in situ Generated Ortho-Quinone Methides	Sahoo S.R.;Singh V.K.	32	2026	
347	Journal of Physical Chemistry B	Exploring the Impact of Glycerol on Terahertz Absorption Spectra of Its Aqueous Mixtures Using Polarizable Models	Dey R.;Dan S.;Chandra A.	130	2026	384-395
348	Chembiochem	3D Cryogel Composites of Modified Purine Derivative as Osteoinductive Agents for Bone Pathologies	Bormon R.;Srivastava E.;Tewari D.;Kumar A.;Verma S.	27	2026	
349	Organic Chemistry Frontiers	Asymmetric synthesis of 4,5-dihydropyrrole derivatives via DKR: DROC of activated aziridines with enamines	Sharma A.K.;Mandal P.;Mali R.;Rahman N.;Pal N.K.;Ghorai M.K.	13	2026	1783-1791

350	ACS Applied Energy Materials	Nitrogen Modification Mediated Redox Modulation in the NiO/Ni(OH) ₂ Heterojunction for Efficient Methanol Electrooxidation	Verma S.;Goyal A.;Singh B.;Draksharapu A.	9	2026	283-290
351	Small	Strain Engineered Co ³⁺ Sites Promoted Electro-Generation of Active CoO ₂ Species for Efficient Iodide Oxidation Reaction	Singh B.;Goyal A.;Verma N.;Verma S.;Yadav A.;Arora P.;Mannu P.;Binh T.H.;Upreti D.;Bagchi V.;Dong C.L.;Draksharapu A.	22	2026	
352	Journal of Materials Chemistry C	Indole and triazole containing ferrocene-based two-terminal resistive memory devices	Ghoshal A.;Pal P.;Kaur R.;Das S.;Sachan P.;Mondal P.C.		2026	
353	Inorganic Chemistry Frontiers	Facile one-pot synthesis of triply fused, fluorescent chlorin–porphyrin heterodimers with near-IR absorption: impact of π -conjugation on optical properties	Shah S.J.;Sharma A.;Khamrui B.;Roychowdhury A.;Goswami D.;Rath S.P.		2026	
354	Journal of Chemical Sciences	Protonation states of class-C β -lactamases determined by a combination of thermodynamic integration and unified free energy dynamics	Verma S.;Nair N.N.	138	2026	
355	Protein Science	Role of associated water in stabilizing human γ -D crystallin under shape-dependent macromolecular crowding	Singh B.;Sen P.	35	2026	

356	Energy & Fuels	Stainless-Steel Scrap as Electrodes and a Reverse Osmosis Reject as Electrolytes for Cost-Efficient H ₂ Production: A Green and Sustainable Approach	Balakumaran Kamaraj; Sneha Mittal; Neha Clare Minj; Pracheta Trivedi; Sandeep Yadav; Anantharaj Sengeni		2026	
357	Chemistry of Materials	High-Entropy Alloy-Catalyzed Bifunctional Electrocatalysis of H ₂ and O ₂ Involving Reactions	Neha Clare Minj; Sneha Mittal; Sandeep Yadav; Balakumaran Kamaraj; Pracheta Trivedi; Shivani Saraswat; Krishanu Biswas; Ligang Feng; Suguru Noda; Anantharaj Sengeni		2026	
358	Dalton Transactions	Galvanic-displacement-derived CuO _x –Pt/Cu interfaces for operando activation and enhanced HER in acidic media	Pracheta Trivedi; Sandeep Yadav; Neha Clare Minj; Balakumaran Kamaraj; Sneha Mittal; Shivani Saraswat; Subramanian Natarajan; Anantharaj Sengeni		2026	
359	Physical Chemistry Chemical Physics	Quantum dynamical concertedness: an entangled trajectory molecular dynamics study	Grover A.;Keshavamurthy S.	28	2026	3882-3894
360	Chemphotochem	A Dansyl-Appended Koneramine as a Robust and Reversible Fluorescent Probe for Copper(II) Detection	Yadav A.;Ghosh S.;Saha I.;Angamuthu R.	10	2026	

361	ACS Applied Materials and Interfaces	Unveiling Insensitive High-Nitrogen Energetic Materials: Fabrication of Pyrimidine via Bridging and Self-Assembly	Banik S.;Ghule V.D.;Dharavath S.	18	2026	8274-8284
362	Journal of Molecular Modeling	Molecular design and theoretical assessment of high-energy tetrazole–nitropyrazole compounds: balancing performance and safety with tetracyclic framework	Kashyap S.;Sharma K.;Rani R.;Ghule V.D.;Dharavath S.	32	2026	
363	Organic Letters	Single Precursor Access to Bifunctional Pyrazole-Triazole Energetic Materials with Tunable Stability and Sensitivity	Kumar P.;Kumar N.;Ghule V.D.;Dharavath S.	28	2026	1134-1139
364	Chemical Communications	4,5-Diazido-6-nitropyridazin-3(2H)-one: a versatile nitrogen-rich compound for multifaceted energetic applications	Kukreja S.;Yadav A.K.;Dharavath S.	62	2026	4986-4990
365	Chemical Communications	Catenated nitrogen-rich triazine-tetrazole molecules for advanced explosives and gas-generator applications	Jujam M.;Ghule V.D.;Dharavath S.	62	2026	4991-4995
366	Journal of Organic Chemistry	Asymmetric Organocatalyzed Michael/Oxa-Michael Domino Reaction of Isoxazole-5-ones with 1,3-Nitroenynes: Access to Chiral Fused Dihydropyranisoxazolines	Deshpande A.S.;Khajuria C.;Kumar R.;Singh V.K.	91	2026	2215-2226
367	Organic Letters	Enantioselective Tandem Michael Addition and Cyclization Reaction Enabled by Dual Organo/Copper Catalysis: Access to Functionalized 4H-Pyrans	Gupta K.;Saini N.;Rohilla S.;Singh V.K.	28	2026	1235-1240

368	European Journal of Organic Chemistry	Magic Blue Initiated SN ₂ -Type Ring Opening of Azetidines with Electron-Rich Arenes/Heteroarenes: Formal Synthesis of Nonracemic Tolterodine	Singh S.;Singh B.;Kashyap S.;Ghorai M.K.	29	2026	
369	Journal of Organic Chemistry	Divergent Access to Optically Active Butenolides via Tandem C–H Activation and Michael Addition Enabled by Rh/Cinchonine Catalysis	Dethe D.H.;Bhat A.A.	91	2026	2780-2790
370	Angewandte Chemie International Edition	Total Synthesis of Limonoids Enabled by Sterically Assisted Boron Chain-Walking	Bhat A.A.;Ansari M.M.;Singh P.;Singha C.;Juyal S.;Joshi A.;Dethe D.H.	65	2026	
371	Journal of Materials Chemistry A	Unmasking active sites in linker coordinated nickel–cobalt hydroxide for the electrocatalytic iodide oxidation reaction	Goyal A.;Binh T.H.;Singh L.;Arora P.;Yadav A.;Dong C.L.;Singh B.;Draksharapu A.	14	2026	7444-7453
372	Jacs Au	Spectroscopically Deciphering the Formation and Reactivity of a High-Valent Ni(IV)Cl ₂ Species	Awasthi A.;Bhadauriya K.;Velasco L.;Eerlapally R.;Charisiadis A.;Kumar R.;Sauvan M.;Moonshiram D.;Mallojjala S.C.;Draksharapu A.	6	2026	245-257

373	Journal of Proteome Research	Proteomic Landscape of H ₂ S-Releasing Peptide Mediated Neuroprotection in Traumatic Brain Injury	Saxena R.; Bisht V.S.; Kumar D.; Deepak ; Yadav R.; Swain A.; Ali R.; Ambatipudi K.; Verma S.; Mishra D.P.	25	2026	1492-1506
374	The Journal of Physical Chemistry Letters	Decoupling of Structural and Dynamical Heterogeneity in Hydrogen-Bonded N-Methylformamide–Water Mixtures: A Kerr Effect Study	Artem Shagurin; Kamil Polok; Piotr Garbacz; Marcin Wilczek; Pratik Sen; Wojciech Gadomski; Abdenacer Idrissi		2026	
375	Organic & Biomolecular Chemistry	Design and synthesis of aculeatin oxo-analogues and aculeatin natural products enabled by oxo-carbenium ion cyclization	Manoj Kumar; Shubham Singh; Parthasarathi Subramanian		2026	
376	Chemistry A European Journal	Secondary-Sphere Hydrogen Bonds Regulating Spin–Redox Interplay in Hemes	Pramanik S.; Zhu C.; Chakraborty P.; de Visser S.P.; Rath S.P.		2026	
377	Journal of Chemical Sciences	A helium nanodroplets isolation spectrometer for high-resolution infrared spectroscopy of cold molecules and molecular aggregates	Devendra Mani; Riya Gupta; Sujan Singha; Yashika; Pooja Rani; Pooja Kumari		2026	
378	ACS Materials Letters	Activating High-Valent Cu ^{III} Species via Co-Doping in Covellite CuS for Water Oxidation	Fulin Yang; Runze He; Shuli Wang; Anantharaj Sengeni; Ligang Feng		2026	
379	Journal of Materials Chemistry A	CO ₂ electroreduction into C ₂ + products on Cu surfaces: recent advances, challenges, and opportunities	Sneha Mittal; Ligang Feng; Anantharaj Sengeni		2026	

380	Rsc Applied Interfaces	Dictating the CuO : Cu(OH) ₂ ratio and microstructural evolution by varying the temperature of anodization of Cu for the OER-masking GOR	Minj N.C.;Santhoshkumar Deepa B.;Pavan Kumar C.;Kamaraj B.;Maiyalagan T.;Sengeni A.		2026	
381	Journal of Organic Chemistry	Phosphinylalkylation of Indoles and Anilines Enabled by Electron-Donor–Acceptor (EDA) Complex Photoexcitation	Banu S.;Kumari S.;Roy S.;Kundu S.	91	2026	4009-4020
382	Angewandte Chemie International Edition	Nanoscale Plasmon–Exciton Strong Coupling-Enhanced Photocatalysis: Role of Optical Dark States	Dey J.;Kumar P.;Dhami S.;Pandey R.;Chandra M.		2026	
383	Crystal Growth and Design	Redefining 1,3,4-Oxadiazoles: Bridged Architectures for Balanced Energetic Performance	Kumar P.;Giri T.;Ghule V.D.;Dharavath S.	26	2026	2202-2208
384	Chemical Communications	Heterometallic molecular Ni–salen catalysts for efficient electrocatalytic oxygen evolution reaction	Bhadauriya K.;Goyal A.;Kumar R.;Singh B.;Draksharapu A.	62	2026	6396-6399
385	Inorganic Chemistry	Brønsted and Lewis Acid Activation of a Reactive Mn(III)–O–Ce(IV) Intermediate	Sharma P.;Gupta S.;Charisiadis A.;Velasco L.;Alonso P.E.;Kumar R.;Verma I.;Moonshiram D.;Draksharapu A.	65	2026	5954-5963

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386	Journal of Rock Mechanics and Geotechnical Engineering	Experimental study on effect of grouting and high temperature on the anisotropic compressive strength behaviour of soft jointed rocks with an impersistent flaw	Mathur G.K.;Jha A.K.;Tiwari G.;Singh T.N.	17	2025	2374-2395
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387	Atmospheric Research	Field validation of brown carbon absorption dependence on acidity and aerosol liquid water content	Thapliyal P.;Soni A.;Gupta T.	315	2025	
388	Proceedings of the Institution of Civil Engineers Geotechnical Engineering	Bearing capacity of strip foundations near vertical cuts in unsaturated clay	Mushtaq M.;Sahoo J.P.	178	2025	494-507
389	International Journal of Fatigue	Experimental study on the fatigue performance of deep reinforced concrete beams subjected to simultaneous reinforcement corrosion	Sarfaraz A.;Harish K.V.	193	2025	
390	Earthquake Engineering and Structural Dynamics	Limit Analysis and Seismic Performance of Mortar-Bonded and ECC Layered Masonry Arches	Avasthi R.;Kumar S.;Rai D.C.	54	2025	1454-1474
391	International Journal of Geomechanics	Large-Scale Experimental and Numerical Studies on the Dynamic Interaction of Closely Spaced Machine Foundations on Geogrid-Reinforced Soil Beds	Das G.;Ghosh P.	25	2025	
392	Journal of Hazardous Materials	Interaction of cesium compounds with abundant inorganic compounds of atmosphere: Effect on cloud formation potential and settling	Mishra G.;Kumar M.;Tripathi S.N.;Joshi M.;Kumar S.;Saud T.;Chauhan S.;Khan A.;Sapra B.K.	488	2025	
393	Journal of Constructional Steel Research	Experimental evaluation of a servomechanism-based PI controller for seismic response control in smart base-isolated steel building	Panda J.;Chakraborty S.;Ray-Chaudhuri S.	227	2025	

394	Rock Mechanics and Rock Engineering	Dynamic Response of Grouted Jointed Rock Mass to Cyclic Loading Under Extreme Temperature Conditions	Mathur G.K.;Jha A.K.;Tiwari G.;Singh T.N.	58	2025	6381-6406
395	Indian Geotechnical Journal	Comparison of Mitigation Methods for Rail-driven Ground-borne Vibrations	Mishra U.;Sawant V.A.;Sahoo J.P.	56	2026	911-928
396	Journal of Hydrology	Understanding the linkages between seasonal variability and annual trends in groundwater levels in alluvial aquifers of Uttar Pradesh, India	Jee O.;Choudhary L.K.;Katiyar M.;Apurv T.	654	2025	
397	Bulletin of Engineering Geology and the Environment	Assessing fracture mechanics in thermally treated, uniaxial loaded grouted non-persistent medium-hard rock: a digital image correlation and FracPaQ analysis	Mathur G.K.;Jha A.K.;Tiwari G.	84	2025	
398	Structures	Seismic fragilities of Indian Standard Code designed ductile reinforced concrete frames with consideration of nonlinear soil–structure interaction	Panda J.;Adarsh S.;Ray-Chaudhuri S.	74	2025	
399	Journal of Hydrology	Understanding the inter-event variability of recession flow characteristics and its drivers	Rashid O.;Apurv T.	656	2025	
400	International Journal of Geomechanics	Cyclic Simple Shear Response of Coral Sand under the Dual Effects of Isotropic Confinement and Normal Stress	Saqib M.;Das A.;Patra N.R.	25	2025	
401	Science of the Total Environment	Demographic changes will shape planetary biodiversity	Cisneros-Pineda A.;Chaudhary A.;Baldos U.L.C.;Sung Y.;Hertel T.	974	2025	

402	Computers and Geosciences	Processing pipeline for fully-automated computation of 3D glacier surface flow time series	Gupta A.;Devaraju B.;Tiwari A.	200	2025	
403	Engineering Geology	Dynamic behaviour of un-grouted and grouted jointed samples of a brittle rock in Split Hopkinson Pressure Bar tests: Insights from experiments and DEM modelling	Lawankar S.;Kumar S.;Pandit B.;Tiwari G.;Deshpande V.	351	2025	
404	Atmospheric Chemistry and Physics	Measurement report: Sources and meteorology influencing highly time-resolved PM2.5 trace elements at three urban sites in the extremely polluted Indo-Gangetic Plain in India	Shukla A.K.;Tripathi S.N.;Talukdar S.;Murari V.;Gaddamidi S.;Manousakas M.I.;Lalchandani V.;Dixit K.;Ruge V.M.;Khare P.;Kumar M.;Singh V.;Rastogi N.;Tiwari S.;Srivastava A.K.;Ganguly D.;Daellenbach K.R.;Prévôt A.S.H.	25	2025	3765-3784
405	Engineering Structures	A concurrent multi-scale framework for performance assessment of moment resisting reinforced concrete frame	Mishra O.;Roy Chowdhury A.N.;Haldar P.	330	2025	
406	Rock Mechanics and Rock Engineering	Reliability Analysis via Non-Probabilistic Multi-Dimensional Convex Modelling of Spatially Varying and Data-Deficient Rock Properties: Theory and Generalization	Maurya S.;Tiwari G.	58	2025	10271-10294

407	Construction and Building Materials	Investigating the influence of sustained service loading on the mechanical resistance of concrete to corrosion-induced cover cracking: The role of triaxial stress conditions	Mishra P.;Misra S.	478	2025	
408	Road Materials and Pavement Design	Micro-mechanical and environmental assessment of jarosite waste and limestone powder-treated clay soil for embankment applications	Bhatt R.;Patra N.R.	27	2026	267-295
409	Structures	Experimental behaviour of deep reinforced concrete beams exposed to combined effect of pre-fatigue cycles and rebar corrosion	Sarfaraz A.;Harish K.V.;Misra S.	76	2025	
410	Sadhana Academy Proceedings in Engineering Sciences	Assessing the impact of high and low occupancy on air quality inside a library	Jain S.;Goel A.;Ola D.;Addya A.;Kabdal Y.	50	2025	
411	Atmospheric Chemistry and Physics	Long-term trends in aerosol properties derived from AERONET measurements	Zhang Z.;Li J.;Che H.;Dong Y.;Dubovik O.;Eck T.;Gupta P.;Holben B.;Kim J.;Lind E.;Saud T.;Tripathi S.N.;Ying T.	25	2025	4617-4637
412	International Journal of Non Linear Mechanics	Development of a high-fidelity and optimal model for magneto-rheological damper by parametric sensitivity analysis	Adarsh S.;Panda J.;Ray-Chaudhuri S.	177	2025	
413	Journal of Engineering Mechanics	Use of Peak Factors in Response Spectrum-Based Modal Combination Rules for Peak Floor Accelerations	Ghumadwar A.S.;Gupta V.K.	151	2025	

414	Journal of Bridge Engineering	Experimental Study on Fatigue Behavior of Deep-Reinforced Concrete Beams with Corroded Reinforcement	Sarfaraz A.;Mishra P.;Harish K.V.	30	2025	
415	Journal of Atmospheric and Solar Terrestrial Physics	Study of ionospheric response to an intense geomagnetic storm of 26 August 2018 over low latitudes and polar regions	Pandey U.;Kumar S.;Malik J.N.;Singh A.K.	273	2025	
416	Quaternary International	Late Quaternary fluvial deposits of the Sai River Basin, Central Ganga Plain: insights into morphometry and provenance	Yadav S.K.;Tripathi S.;Singh S.;Quasim M.A.;Kanhaiya S.;Javed A.;Yadav M.;Kumar S.;Patra A.	738	2025	
417	International Journal of Geomechanics	A Hybrid Second-Order Exponential Cone Programming-Based Lower Bound Finite-Element Limit Analysis Framework for Rock Tunnels in Anisotropic Rock Masses	Sahu S.;Sahoo J.P.;Tiwari G.	25	2025	
418	Geomechanics and Engineering	Active earth thrust on vertical walls supporting sandy sloping ground of different height and toe position	Khuntia S.;Sahoo J.P.	41	2025	443-453
419	Engineering Geology	Probabilistic seismic slope stability analysis adopting limiting profile approach	Nandi S.;Ghosh P.	354	2025	
420	Journal of Hydrology	A numerical analysis of soil-water dynamics in agricultural fields with temporally varying soil hydraulic properties	Kumar S.;Ojha R.	661	2025	
421	Water Resources Research	An Analytical Approach for Quantifying the Role of Vapor Pressure Deficit in Soil Moisture Depletion During Flash Droughts	Singh V.;Apurv T.	61	2025	

422	Journal of Structural Design and Construction Practice	Vibration-Based Condition Assessment and Retrofitting of the Chambal Railway Bridge in India	Ghosh G.;Singh Saini D.;Singh V.;Ray-Chaudhuri S.	30	2025	
423	Computers and Geotechnics	A Unified Inverse Reliability Methodology for Rock Structures with Varying Information Levels of Inputs Modelled via Non-Stochastic Models	Maurya S.;Tiwari G.	187	2025	
424	International Journal of Rock Mechanics and Mining Sciences	A Bayesian reliability methodology for rock structures considering uncertainties in random field characteristics with limited data of rock properties	Kumar A.;Tiwari G.	194	2025	
425	Atmospheric Environment	Semi-volatile oxygenated organics and ammonium chloride increasing sub-micron aerosol hygroscopicity, cloud condensation nuclei and PM1 mass in the Delhi region	Lalchandani V.;Tripathi S.N.;Srivastava D.;Mishra G.;Thamban N.M.;Mishra S.;Tripathi N.;Wang L.;Prévôt A.S.H.;Bhowmik H.S.;Dixit K.;Sahu L.K.;Gunthe S.S.	358	2025	

426	Environment International	Transported smoke from crop residue burning as the major source of organic aerosol and health risks in northern Indian cities during post-monsoon	Hao Y.;Strähl J.;Khare P.;Cui T.;Schneider-Beltran K.;Qi L.;Wang D.;Top J.;Surdu M.;Bhattu D.;Bhowmik H.S.;Vats P.;Rai P.;Kumar V.;Ganguly D.;Szidat S.;Uzu G.;Jaffrezo J.L.;Elazzouzi R.;Rastogi N.;Slowik J.;Haddad I.E.;Tripathi S.N.;Prévôt A.S.H.;Daellenbach K.R.	202	2025	
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427	Atmospheric Environment	A worldwide aerosol phenomenology: Elemental and organic carbon in PM _{2.5} and PM ₁₀	Putaud J.P.;Cavalli F.;Yttri K.E.;Chow J.C.;Watson J.G.;Sinha B.;Venkataraman C.;Ikemori F.;Jaffrezo J.L.;Uzu G.;Moreno I.;Krejci R.;Laj P.;Gupta T.;Hu M.;Kim S.W.;Mayol-Bracero O.;Quinn P.;Aas W.;Alastuey A.;Andrade M.;Angelucci M.;Anurag G.;Beukes J.P.;Bhardwaj A.;Chatterjee A.;Chaudhary P.;Chhangani A.K.;Conil S.;Degorska A.;Devaliya S.;Dhandapani A.;Duhan S.S.;Chandra Dumka U.;Habib G.;Hamzavi Z.;Haswani D.;Herrmann H.;Holubova A.;Hueglin	358	2025	
428	Scientific Reports	Earthquake rupture variability along the central seismic gap segment (78°– 82°E) of the Himalayan Frontal Thrust, Western and Central Himalaya	Arora S.;Meenan N.;Srivastava E.;Cochran D.;Singh G.;Williams A.;Dhali M.;Kumaiya M.;Arrowsmith R.;Malik J.N.;Kondo H.	15	2025	

429	Geomorphology	Geomorphic imprints of long- and short-term deformation in the Kachchh Intraplate Region (Western India)	Srivastava E.;Gadhavi M.;Sharma N.;Kumar P.;Malik J.N.;Sulli A.	486	2025	
430	Journal of Hazardous Toxic and Radioactive Waste	Application of Jarosite Waste, Limestone Powder, and Red Mud for Treating Clay Soil in Pavement Subgrade	Bhatt R.;Patra N.R.	29	2025	
431	Journal of Engineering Mechanics	Slope Stability Analysis in Rock Masses with Intermediate Principal Stress Effect: A Unified Stress Characteristics Approach	Nandi S.;Ghosh P.	151	2025	
432	Archive of Applied Mechanics	Supersonic thermomechanical dynamic instability analysis of imperfect FG-GPLRC conical shell under nonconservative loading	Chatterjee R.;Mishra S.K.	95	2025	
433	Atmospheric Environment	Influence of ambient particulate matter and environmental factors on the seasonal bioaerosol load in the middle Indo-Gangetic Plain	Gupta A.D.;Srivastava V.;Yadav N.;Misra S.K.;Gupta T.	346	2025	
434	International Journal of Multiphase Flow	A novel two component multilayered depth-averaged model for coupling fluid–granular systems	Bhat N.U.H.;Pahar G.	191	2025	
435	Ocean Engineering	Multilayered depth-averaged formulation for immiscible gravity currents	Ul Hassan Bhat N.;Pahar G.	322	2025	
436	Computational Particle Mechanics	Coupled ISPH-MFVM modeling of incompressible fluid–immiscible granular flow interaction	Bhat N.U.H.;Pahar G.	12	2025	4533-4565

437	Hydrological Processes	Temporal Evolution of Soil Hydraulic Properties in a Cropping Season: Drivers and Hydrological Impacts	Kumar S.;Srivastava A.K.;Hazra A.;Ojha R.	39	2025	
438	Earth Planets and Space	Evaluating the potential of Indian stations in augmenting the UT1–UTC precision of VGOS Intensive sessions	Laha A.;Schartner M.;Soja B.;Böhm S.;Krásná H.;Balasubramanian N.;Dikshit O.	77	2025	
439	Separation and Purification Technology	Augmenting COD-to-Sulfate ratio in tannery effluent concentrated via direct ultrafiltration: Process optimization and membrane performance evaluation	Sharma A.;Ermen S.V.;Bose P.	378	2025	
440	Atmospheric Environment	Physicochemical characterization and risk assessment of indoor particulate matter in academic canteens: comparison with outdoor and insights from aerosol mass spectrometer	Mandal D.;Chakraborty A.;Tripathi S.;Tripathi S.N.	361	2025	
441	Progress in Nuclear Energy	Steam-aerosol interaction experiments: Measurement of aerosol and liquid droplet size distributions	Joshi M.;Mariam ;Khan A.;Moosakutty S.P.;Chakraborty A.;Tripathi S.N.;Sapra B.K.	188	2025	

442	Nature Communications	Black carbon emissions generally underestimated in the global south as revealed by globally distributed measurements	Ren Y.;Oxford C.R.;Zhang D.;Liu X.;Zhu H.;Dillner A.M.;White W.H.;Chakrabarty R.K.;Hasheminassab S.;Diner D.J.;Le Roy E.J.;Kumar J.;Viteri V.;Song K.;Akoshile C.;Amador-Muñoz O.;Asfaw A.;Chang R.Y.W.;Francis D.;Gahungu P.;Garland R.M.;Grutter M.;Kim J.;Langerman K.;Lee P.C.;Lestari P.;Mayol-Bracero O.L.;Naidoo M.;Nelli N.;O'Neill N.;Park S.S.;Salam A.;Sarangi B.;Schechner Y.;Schofield R.;Tripathi S.N.;Windwer E.;Wu M.T.;Zhang Q.;Rudich Y.;Brauer M.;Martin R.V.	16	2025	
443	Journal of Geotechnical and Geoenvironmental Engineering	Seismic Active Earth Pressure of Granular Soils Considering Inhomogeneous Wave Velocities under Harmonic Excitation	Gowtham G.;Prasad Sahoo J.	151	2025	
444	Polymer	Upcycling of waste PET via reprocessable thermoset-like covalent adaptable networks	Gupta V.;Majumdar S.;Das D.;Ashish P.K.;Sarkar R.	328	2025	

445	Journal of Fluid Mechanics	Viscous flow through high-permeability channels in a layered porous medium	Rathore A.;Zheng Z.;Sahu C.K.	1013	2025	
446	Physical Review Fluids	Experimental investigation of early time dynamics of haline plumes in porous media	Panda S.;Sahu C.K.	10	2025	
447	Water Switzerland	A Cell Model for Pollutant Transport Quantification in Rainfall–Runoff Watershed Events	Salfety O.;Sarne O.;Boindala S.P.;Abhijith G.R.;Ostfeld A.	17	2025	
448	Building and Environment	Exploring the environmental determinants of sleep quality: A questionnaire-based pilot study in Indian university dormitories	Addya A.;Goel A.;Wargocki P.	285	2025	
449	Journal of Engineering Mechanics	Aerodynamic Flutter of an Orthotropic Hyperbolic Paraboloid Tensile Membrane	Kumar A.;Mishra S.K.	151	2025	
450	International Journal of Structural Stability and Dynamics	Aerodynamic Stability of Orthotropic Tensile Membrane	Kumar A.;Mishra S.K.	26	2026	
451	Transport in Porous Media	Stability Analysis of Darcy–Bénard Convection Subjected to Time-Dependent Heating Using an LTNE Model	Dev K.;Sahu C.K.	152	2025	
452	Journal of Infrastructure Systems	Optimal Deployment of Movable Sensors for Air Quality Monitoring	Maurya S.K.;Gehlot H.;Tripathi S.N.	31	2025	
453	Journal of Materials in Civil Engineering	Corrosion Assessment of Sustainable Foam Concretes Incorporating Binder and Filler Modification with Slag and Fly Ash	Vishavkarma A.;Harish K.V.	37	2025	
454	Soil Dynamics and Earthquake Engineering	A strain rate enhanced continuum damage model for rocks subjected to dynamic loading	Kumar S.;Das A.;Tiwari G.	200	2026	

455	Smart Construction and Sustainable Cities	Thermal and mechanical responses of pre-existing cracked rock samples under uniaxial loading: effects of heat treatment and grouting	Mathur G.K.;Jha A.K.;Tiwari G.;Singh T.N.	3	2025	
456	American Chemical Society Environmental Science and Technology Air	Particulates and Gaseous Emission from the Indian Cropland Agricultural Sector and Health Burden Attributable to Emitted Primary PM _{2.5}	Singh R.K.;Prajapati S.;Nigam I.M.;Zhao R.;Gupta T.	2	2025	1656-1667
457	Advances in Water Resources	Evaluating existing flow theories for modelling macropore flow through unsaturated soils: A numerical study	Pandey A.;Ojha R.	206	2025	
458	Computers and Geotechnics	Random field based probabilistic analysis of rock tunnels along Hoek-Brown rock masses using finite element limit analysis	Sahu S.;Tiwari G.;Sahoo J.P.	190	2026	
459	Geotextiles and Geomembranes	Large-scale field experiment on vibration screening characteristics of continuous panel-based geofoam-infilled wave barrier	Singh A.;Surapreddi S.;Ghosh P.	54	2026	191-208
460	Journal of Structural Geology	Surface rupture signatures of historical earthquakes (16th and 19th centuries) from Kumaon-Garhwal, central Himalaya: Implications for seismic hazard assessment	Malik J.N.;Dhali M.;Gadhavi M.S.;Kumar P.;Srivastava E.;Ansari M.A.;Sharma N.;Sahoo S.;Kumar P.	202	2026	

461	Tectonics	Reconstructing Paleoearthquake History and Rupture Patterns From the Kumaun Region of Central Himalaya, India	Dhali M.;Malik J.N.;Gadhavi M.S.;Sharma N.K.;Kumar P.;Srivastava E.;Singh G.;Burrato P.;Kumar P.	44	2025	
462	Natural Hazards Review	Critical Slope Profile in Purely Cohesive Soil under Seismic Conditions: An Alternate Stability Criterion	Sinchith M.;Chakraborty A.;Nandi S.;Ghosh P.	27	2026	
463	Atmospheric Pollution Research	Quantifying the drivers of light extinction due to PM2.5 at a regional site in the Indo-Gangetic Plain	Qadri A.M.;Izhar S.;Gupta T.;Mukherjee S.;Chatterjee A.	17	2026	
464	Physical Review Fluids	Shear stripping atomization	Kumar S.;Tripathi S.N.;Kumar S.	10	2025	
465	Solid State Electronics	Band structure-based methodology for analysis of radiation-induced interface traps on reliability of UTB MOS devices	Mishra N.V.;Dhote Y.;Medury A.S.	231	2026	
466	Transportation Research Record	Evaluating the Repeatability and Inter-Device Reproducibility of International Roughness Index Measurements	Taank R.;Medury A.	2680	2026	738-756
467	Soil Dynamics and Earthquake Engineering	Pseudo-static vs pseudo-dynamic methods: A general comparison and their application to underground tunnel stability	Gowtham G.;Sahoo J.P.	200	2026	
468	Granular Matter	Micromechanics of flexible bonded soft-rigid granular mixes using a new contact model	Alam M.;Disfani M.M.;Das A.	27	2025	

469	International Journal of Concrete Structures and Materials	Assessment of Hydration Stages in the Property Development of Portland Blended Cement Systems Containing Limestone Powders	Vishavkarma A.;Gurrappagari R.K.R.;Kizhakkumodom Venkatanarayanan H.	19	2025	
470	Bulletin of Engineering Geology and the Environment	Transition in rate-dependent shear response of rock-like joints due to clay-infill: strength, dilation, stick-slip, and roughness analysis	Anand A.;Tiwari G.	85	2026	
471	ASCE, Special Publication	Development and Application of Mesh Independent Non-Local Model in FLAC2D	Lawankar S,Garg P, Bhardwaj P, Tiwari G		2025	
472	ICE - Ground Improvement	Performance of Stone Columns in Organic Soil: Insights from Large Scale Field Load Tests	Raj S., Manna B., Tiwari G.		2025	
473	ICE - Geotechnical Engineering	Stability of Unlined Circular Tunnels with Surcharge in Heavily Fractured Rock Mass	Sahu S., Sahoo JP., Tiwari G.		2025	
474	Smart Construction and Sustainable Cities	Thermal and Mechanical Responses of Pre-existing Cracked Rock Samples Under Uniaxial Loading: Effects of Heat Treatment and Grouting	Mathur G., Jha A., Tiwari G., Singh TN		2025	
475	'Environmental Science and Pollution Research '	'An analytical review on revamping plastic waste management: exploring recycling, biodegradation, and the growing role of biobased plastics '	'Rajvanshi, Jayana and Sogani, Monika and Tziouvaras, Georgios and Kumar, Anu and Syed, Zainab and Sonu, Kumar and Gupta, Nishan Sen and Sen, Himanshi '	32	2025	'17243--17261 '

476	'Biomass Conversion and Biorefinery '	'Rice husk-modified ceramic membrane for microbial desalination cell '	'Sonu, Kumar and Sogani, Monika and Syed, Zainab and Maheshwari, Karishma and Rajvanshi, Jayana and Sengupta, Nishan '	15	2025	'11097--11104 '
477	'Journal of Hazardous, Toxic, and Radioactive Waste '	'Effectiveness of a Biofertilizer in the Treatment of Carpet Industry Dye Wastewater in an Earthen Pot--Coupled Plant Microbial Fuel Cell '	'Sonu, Kumar and Sogani, Monika and Syed, Zainab and Maheshwari, Karishma and Rajvanshi, Jayana and Sengupta, Nishan '	29	2025	'04024050 '
478	'Biomass Conversion and Biorefinery '	'Plant microbial fuel cell performance assessment utilizing anode from Delonix regia fruit pod '	'Sonu, Kumar and Sogani, Monika and Syed, Zainab '		2025	'1--8 '
479	'ChemistrySelect '	'Enhanced Microbial Desalination Cell Performance Utilizing Polyurethane-Modified Bio-Based Polymeric Membrane '	'Maheshwari, Karishma and Sogani, Monika and Sonu, Kumar and Syed, Zainab '	10	2025	'e202500044 '
480	'Desalination '	'Microbial desalination cells in brackish RO reject treatment: Challenges and opportunities '	'Maheshwari, Karishma and Sogani, Monika and Syed, Zainab and Sen, Himanshi and Rajvanshi, Jayana and Sonu, Kumar and Gupta, A B and Agrawal, Pushkal '		2025	'119022 '

481	'Waste Disposal \& Sustainable Energy '	'Performance evaluation of a Dracaena plant-based microbial fuel cell utilizing municipal solid waste compost as substrate and stainless steel mesh-supported 3D Cassia Fistula as bioanode '	'Sonu, Kumar and Syed, Zainab and Singh, Gurpreet and Tiwari, Manoj Kumar and Sogani, Monika '	7	2025	'453--467 '
482	'Waste and Biomass Valorization '	'Enhanced Bioelectricity Generation from Microbial Fuel Cell Using Leftover Rose Petals after Attar Production as a Sustainable Substrate '	'Sonu, Kumar and Yadav, Shivam and Maheshwari, Karishma and Syed, Zainab and Tiwari, Manoj Kumar and Sogani, Monika '		2025	'1--10 '
483	'Journal of Applied Electrochemistry '	'Upcycling waste fan capacitors as cost-effective anode materials for enhanced bioelectricity generation and sewage wastewater treatment in microbial fuel cells '	'Sonu, Kumar and Sogani, Monika and Sen, Himanshi and Maheshwari, Karishma and Tiwari, Manoj Kumar '		2025	'1--12 '
484	'Water Environment Research '	'Innovative Use of Discarded Clay Cups in Constructed Wetland With Ipomoea carnea for Saline Water Treatment '	'Sonu, Kumar and Sogani, Monika and Maheshwari, Karishma and Syed, Zainab and Rajvanshi, Jayana and Sengupta, Nishan '	97	2025	'e70182 '
485	'International Journal of Environmental Research '	'Performance Assessment of Microbial Fuel Cells Utilizing Reverse Osmosis Concentrate and Sewage Wastewater in Conjunction with Palmyra Palm Male Inflorescence Anodes '	'Sonu, Kumar and Sogani, Monika and Tiwari, Manoj Kumar and Syed, Zainab and Maheshwari, Karishma '	19	2025	'278 '

486	'Biodegradation '	'Enhanced textile dye wastewater treatment and power generation in microbial fuel cells using Bixa orellana fruit shell--derived biochar '	'Sonu, Kumar and Sen, Himanshi and Maheshwari, Karishma and Tiwari, Manoj Kumar and Sogani, Monika '	36	2025	'125 '
487	'Scientific Reports '	'Performance evaluation of microbial fuel cell using ceramic anode blended with rice husk ash and mild steel dust '	'Sonu, Kumar and Sogani, Monika and Syed, Zainab and Rajvanshi, Jayana and Sengupta, Nishan '		2025	
488	Transport Policy	Effect of incorporating capacity constraints on government guarantees in PPP infrastructure projects	Gupta T.;Kothari C.;Misra S.	176	2026	
489	Journal of Structural Integrity and Maintenance	Influence of rebar/concrete interface restraint in governing corrosion-induced cracking of reinforced concrete structures	Mishra P.;Behera P.K.;Misra S.	11	2026	
490	Transportation Research Record	Microscopic Observation of Absorption of Asphalt Binder into the Aggregate Pores Using SEM	Shukla S.;Das A.	2680	2026	247-261
491	International Journal of Geosynthetics and Ground Engineering	Numerical Simulation of Ash Filled MSE Wall Utilizing the Co-ordinate Transformation Softening Model	Sireesha G.N.;Malviya S.;Raychowdhury P.	11	2025	
492	Geomechanics and Engineering	Response of soft clay improved with electrokinetic-assisted encased stone column	Pandey B.K.;Rajesh S.	43	2025	315-327
493	Journal of Bridge Engineering	Rail-Viaduct Interaction on India's First Continuously Welded Rail: An Experimental Study	Saxena N.;Ray-Chaudhuri S.	31	2026	

494	Environmental Science Technology	Regional Air Quality Management: A Data-Driven Airshed Approach in the Eastern IGP Regions	Anandh P.C.;Tripathi S.N.;Godhani N.;Pandey M.;Rai P.;Agrawal N.;Kumar A.;Ballav S.	59	2025	25527-25536
495	Structures	Experimental investigation of shear capacity in partially debonded I-girders	Dube S.;Rai D.C.	82	2025	
496	Atmospheric Environment	High-resolution source apportionment and health risks of PM2.5-bound trace elements across a major Indian city: Seasonal and diurnal insights from a multi-site campaign using a mobile laboratory platform	Lakra A.;Kumar A.;Sethi D.;Bhowmik H.S.;Jain V.;Tripathi S.N.	365	2026	
497	Solid State Electronics	Unified approach for considering the effect of doping and device temperature on the band structure and electrostatics of UTB SOI DG MOS devices	Dhote Y.;Mishra N.V.;Medury A.S.	232	2026	
498	International Journal of Geomechanics	Coupled Probabilistic and Numerical Limit Analysis for Stability Assessment of Rock Tunnels Considering Uncertainties of Input Rock Properties	Sahu S, Tiwari G, Sahoo JP		2026	
499	Transportation Infrastructure Geotechnology	Field Investigation of Dynamic Response of Elevated Ballasted Track Focusing on Transition Zone	Soundararajan S.;Raychowdhury P.;Nimbalkar S.;Ray-Chaudhuri S.	13	2026	

500	Environmental Geochemistry and Health	Atmospheric and health impact of fine particulate-bound organic pollutant: a probabilistic carcinogenic risk assessment with sensitivity analysis	Vishwakarma P.;Singh S.;Gupta T.	48	2026	
501	Vadose Zone Journal	Estimation of dual permeability model parameters in agricultural fields using a genetic algorithm-based inverse modeling framework	Vashishth N.;Pandey A.;Ojha R.	24	2025	
502	Journal of Applied Geodesy	Direction-resolved azimuth-elevation metrics for GNSS station quality assessment	Nagarajan R.;Dikshit O.;Balasubramanian N.		2026	
503	Geotechnical and Geological Engineering	Pullout Resistance of Plate Anchors in Anisotropic and Non-Homogeneous Clay Assessed Using Numerical Limit Analysis	Mushtaq M.;Sahoo J.P.	44	2026	
504	International Journal of Solids and Structures	Constitutive model based on breakage mechanics and framework of subloading surface for crushable sands at high confinement pressures	Sinha R.;Das A.	327	2026	
505	Journal of Physics D Applied Physics	Impact of bond angle distortions on the temperature dependent band structure and subthreshold swing behavior of UTB SOI MOSFETs	Dhote Y.;Ghosh S.;Mishra N.V.;Singh A.K.;Medury A.S.	59	2026	
506	IEEE Transactions on Power Delivery	A Damage Prevention Device for Suspension Towers Subjected to Conductor Breakage	Kakoty H.;Kolay C.		2026	

507	American Chemical Society Environmental Science and Technology Air	Anthropogenic Emissions in Coastal India Strongly Influence New Particle Formation and Cloud Condensation Nuclei Activity	Singh A.;Swain B.;Sebastian M.;Tripathi S.N.;Pöhlker M.;Allan J.;McFiggans G.;Pöschl U.;Su H.;Martin S.T.;Andreae M.O.;Ravikrishna R.;Cheng Y.;Coe H.;Liu P.;Gunthe S.S.	2	2025	1972-1986
508	Science of the Total Environment	Chemical composition and toxicological profiles of atmospheric particulate matter: Evidence from in vitro and in vivo preclinical models	Islam N.;Barman P.;Roy K.;Dutta M.;Hazarika A.;Sarmah D.;Attray B.;Gupta T.;Khare P.;Saikia P.;Bora H.K.;Konwar R.;Saikia B.K.	1020	2026	
509	Science of the Total Environment	Dark aqueous processing of organics in aerosols and size-resolved fog droplets: Variations in levels, characteristics and evolution	Anand M.;Chakraborty A.;Rangu V.S.;Gupta T.;Rastogi N.	1014	2026	
510	Ecological Indicators	Tracking biodiversity footprints embodied in the global supply chains of agricultural commodities: the examples of Germany and China	Bidoglio G.A.;Chaudhary A.;Dullinger S.;Erb K.H.;Essl F.;Krausmann F.;Matej S.;Semenchuk P.;Kastner T.;Schwarzmüller F.	183	2026	

511	Mechanical Systems and Signal Processing	Signal-based online acceleration and strain data fusion using B-splines and Kalman filter for full-field dynamic displacement estimation	Das A.;Pal A.;Nagarajaiah S.;Sajeer M.M.;Mukhopadhyay S.	247	2026	
512	Transportation Research Part C Emerging Technologies	SPT: Obtaining long trajectory data of disordered traffic using a swarm of unmanned aerial vehicles	Rajput S.;Venkateshappa S.;Kanagaraj V.;Asaithambi G.;Treiber M.	182	2026	
513	Geomagnetism and Aeronomy	Ionospheric GPS-TEC Response to the X-Class Solar Flares during the Descending Phase of the Solar Cycle 24	Pandey U.;Dikshit O.;Nagarajan B.;Nagarajan R.;Saharan S.;Singh A.K.	65	2025	146-158
514	Engineering Structures	Effect Of ECC overlay on the strength of burnt clay brick masonry	Kumar S.;Rai D.C.	350	2026	
515	Physics of Fluids	Instability mechanisms of the bag-stamen breakup	Kumar S.;Tripathi S.N.;Kumar S.	38	2026	
516	Environment and Planning B Urban Analytics and City Science	Ke-MLS: A large-scale labeled mobile Lidar data set from Indian urban region	Kumar V.;Lohani B.;Lal P.;Bais A.S.;Aditya A.		2026	
517	Structural and Multidisciplinary Optimization	Multi-objective optimization of cold-formed steel beam cross-sections and statistical assessment of fabrication errors			2026	
518	Biomass Conversion and Biorefinery	Enhanced textile dye wastewater treatment and power generation in single-chamber air-cathode microbial fuel cells using a 3D anode derived from Cassia fistula biomass	Kumar Sonu; Gurpreet Singh		2026	

519	International Journal of Geotechnical Engineering	Dynamic performance evaluation of a railway bridge post-end-support region under different rail pad conditions and operating train speeds	Bagchi A.;Raychowdhury P.		2026	
520	Quarterly Journal of the Royal Meteorological Society	FogCast: Probabilistic medium-range fog forecasting using global machine-learning weather prediction model	Deshpande P.;Agarwal S.;Bansal K.;Bhattacharya A.;Tripathi S.		2026	
521	Sustainability Science	Mapping and quantifying nature's contributions to people underpinning international food trade: the case of the Brazilian coffee and soy supply-chains	Rabeschini G.;Castro A.J.;Chaudhary A.;Felipe-Lucia M.R.;Koellner T.;Lancker K.;Marques A.;Pfister S.;Schulp C.J.E.;Willemen L.;Kastner T.		2026	
522	Journal of Building Engineering	Innovative Argon Oxygen Decarburization (AOD) slag-derived aggregates: Production process, characteristics, and application in self-compacting concrete	Kumar M.;Venkatanarayanan H.K.	120	2026	
523	Journal of Rock Mechanics and Geotechnical Engineering	Non-Probabilistic Reliability Analysis of Rock Structures Using Optimized Super-Ellipsoid Convex Modelling Considering Spatial Variability	Maurya S; Tiwari G		2026	

Cognitive Science

524	IEEE Transactions on Neural Systems and Rehabilitation Engineering	Assessing the Utility of Fronto-Parietal and Cingulo-Opercular Networks in Predicting the Trial Success of Brain-Machine Interfaces for Upper Extremity Stroke Rehabilitation	Padmaja G.K.R.;Arunkumar Bhagat N.;Balasubramani P.P.	34	2026	699-710
525	Neuroimage Clinical	The effects of transcranial random noise stimulation on excitation/inhibition balance in ADHD	Dakwar-Kawar O.;Francis A.J.A.;Arya R.;Mairon N.;Mishra J.;Berger I.;Cohen Kadosh R.;Balasubramani P.P.;Nahum M.	49	2026	

Computer Science and Engineering

526	Formal Methods in System Design	Data-driven invariant learning for probabilistic programs	Bao J.;Trivedi N.;Pathak D.;Hsu J.;Roy S.	66	2025	278-306
527	Computational and Mathematical Organization Theory	Characterizing the roles of preference homophily and network structure on outcomes of consensus games	Arya P.;Srivastava N.	31	2025	139-160
528	Theoretical Computer Science	Lower bounds for the sum of small-size algebraic branching programs	Bhargav C.S.;Dwivedi P.;Saxena N.	1041	2025	
529	Consciousness and Cognition	Dynamics of mental imagery	Singhal I.;Srivastava N.	131	2025	
530	ACM Transactions on Computation Theory	Derandomization via Symmetric Polytopes: Poly-Time Factorization of Certain Sparse Polynomials	Bisht P.;Saxena N.	17	2025	

531	Journal of the American Chemical Society	Faster Amylin Aggregation on Fibrillar Collagen I Hastens Diabetic Progression through β -Cell Death and Loss of Function	Hazari M.A.;Kannan G.;Dasgupta S.;Pavan M.K.;Jha A.K.;Sultana F.;Pujahari S.R.;Singh S.;Dutta S.;Pydi S.P.;Dutta S.;Zafar H.;Bhaumik P.;Kumar A.;Sen S.	147	2025	15985-16006
532	Journal of Systems Architecture	Novel hybrid probabilistic–statistical error metrics for approximate adders	Mishra V.;Mittal S.;Chatterjee U.	167	2025	
533	Open Mind	Present-Focused Behavior as a Rational Adaptation to Precarity	Mitra A.;Srinivasan N.;Srivastava N.	9	2025	452-474
534	Artificial Intelligence	A scalable multi-robot goal assignment algorithm for minimizing mission time followed by total movement cost	Aakash ;Saha I.	347	2025	
535	ACM Transactions on Embedded Computing Systems	SATGuard: SAT-driven Countermeasures for Protecting Approximate Circuits from Hardware Trojan	Mishra V.;Dipesh ;Mittal S.;Chatterjee U.	24	2025	
536	ACM Transactions on Embedded Computing Systems	LeakyRand: An Efficient High-fidelity Covert Channel in Fully Associative Last-level Caches with Random Eviction	Verma Y.;Mishra D.;Chaudhuri M.	24	2025	
537	Information Processing Letters	Reachability in graphs having linear 2-arboricity two is NL-hard	Bhadra R.;Tewari R.	192	2026	
538	Proceedings of the ACM on Programming Languages	Memory-Safety Verification of Open Programs with Angelic Assumptions	Takhar G.;Bijlani B.;Chatterjee P.;Lal A.;Roy S.	9	2025	1119-1147
539	Synthese	A logical description of priority separable games	Das R.;Ramanujam R.;Simon S.	206	2025	

540	ACM Transactions on Embedded Computing Systems	Dual-Mode Rounding Algorithms and Hardware for Posit-Based DNN Training: The Future of Mixed Precision Frameworks	Mishra V.;Rathor M.;Chatterjee U.	25	2026	
541	Journal of Combinatorial Optimization	Dominance for enclosure problems	Akram W.;Saxena S.	50	2025	
542	Discrete Applied Mathematics	Consecutive occurrences with distance constraints	Akram W.;Saxena S.	380	2026	629-640
543	ACM Transactions on Software Engineering and Methodology	Automated Abstract Transformer Synthesis for Reduced Product Domains	Kalita P.K.;Reps T.;Roy S.	35	2026	
544	ACM Transactions on Computation Theory	Unambiguous, Randomized, and Symmetric Catalytic Computation	Datta S.;Gupta C.;Jain R.;Sharma V.;Tewari R.	18	2026	
545	Cognitive Science	A Metacognitive Appraisal of Quitting in Chess	Purohit H.;Srivastava N.	50	2026	
546	Transactions on Machine Learning Research	Probing Layer-wise Memorization and Generalization in Deep Neural Networks via Model Stitching	Gupta A.;Saha I.;Rai P.	2026-March	2026	
547	Journal of Hardware and Systems Security	An Improved Micro-Architectural Covert-Channel Attack on GPUs	Issa Baddour, Somitra Kumar Sanadhya, Dip Sankar Banerjee	9	2025	149-162

Design

548	Computer Applications in Engineering Education	Designing the HMI for a DC Motor Toolkit for Control Engineering Education	Kant V.;Mhaske P.;Nataraj P.S.V.	33	2025	
549	Cognition Technology and Work	Augmenting analyst thinking through human-centered design to enable asset management in cybersecurity	Negi R.;Kant V.;Angelin A.;Lakshana L.N.;Singh A.;Shukla S.K.	27	2025	525-540

550	Nuclear Engineering and Design	Human reliability analysis for internal fire event with virtual reality – Conceptualization and challenges	Garg V.;Vinod G.;Singh S.;Kant V.	444	2025	
551	International Journal of System Assurance Engineering and Management	Machine learning based predictive model to enhance human reliability analysis for risk assessment of nuclear	Garg V.;Vinod G.;Kant V.	17	2026	166-191
552	Resilient Cities and Structures	From preparedness to action: Synthesising insights on robot usage in post-Earthquake search operations	V S R.;Prabhakar G.	5	2026	60-70
553	Ergonomics in Design	Oxyquiz: Design of a Board Game to Reinforce Oxygen Gas Cylinder Handling Knowledge	Adhikari P.;Mohanty S.;Chawla K.;Chavan T.;Singh A.;Paleya R.;Kandhare A.;Choudhary R.;Maikala R.V.;Kant V.		2026	

Earth Sciences

554	Journal of Geochemical Exploration	Deciphering dissolved load geochemistry of the Upper Ganga Basin: Natural weathering vs human impact	Panwar S.;Yang S.;Ray E.;Singh P.;Uniyal S.;Paul D.	272	2025	
555	Journal of the Indian Society of Remote Sensing	Tracing Fluid Pathways Related to Hydrothermal Gold Mineralization in Hutti–Maski Schist Belt Using Imaging Spectroscopy	Kumar H.;Syed T.H.;Rajawat A.S.;Jain R.;Mohan A.;Jayaprasad P.;Mukhopadhyay S.;Upadhyay R.	53	2025	3251-3267

556	Journal of the Geological Society of India	Direction of Impact at Lonar Crater, India: Results from Microfracture Density and X-Ray Diffraction Analysis	Tiwari S.;Dey G.;Joshi G.;Agarwal A.;Wilk J.;Agarwal K.K.	101	2025	453-460
557	Geosystems and Geoenvironment	Holocene climate variability deciphered from Chilika Lagoon sediments: Implication for anthropogenic activity or paleocyclones?	Banerjee B.;Mallick M.;Amir M.;Hameed A.;Ozelim L.;Kar N.R.;Babu E.V.S.S.K.;Venkatesham K.;Venkateshwarlu M.;Hassan T.;Samanta V.;Kisku P.C.;Paul D.;Kumar P.;Panda A.	4	2025	
558	Scientific Reports	Assessment of stable carbon isotope ratios and source characterization of aerosols in ambient PM2.5 from the Indian COALESCE network	Paul D.;Singh G.K.;Gupta T.;Chatterjee A.;Saikia B.K.;Sunder Raman R.;Habib G.;Phuleria H.;Venkataraman C.	15	2025	
559	International Journal of Impact Engineering	Effect of layering on brittle deformation: results from hypervelocity impact experiments on gneiss	Agarwal A.;Ojha A.K.;Kenkmann T.;Poelchau M.H.;Gairola P.;Bhatt S.	206	2025	

560	Environmental Pollution	Insights on optical absorption and isotopic properties of carbonaceous aerosol in PM2.5 and PM10 from different emission sources	Mishra K.G.;Izhar S.;Paul D.;Qadri A.M.;Gupta T.	382	2025	
561	Geological Magazine	Deformation of the Paleoproterozoic Lower Vindhyan Group in Central India: synsedimentary origin or associated with the Mesoproterozoic convergence between the Bundelkhand and Bastar Cratons?	Todkar T.B.;Saha P.;Dutta D.;Misra S.	162	2025	
562	Scientific Reports	Novel geological framework to understand the origin and diversity of orthopyroxene, olivine, spinel (OOS) lithologies on the Moon	Sodha G.;Dhingra D.	15	2025	
563	Geophysical Prospecting	Seismic Envelope-Driven Broadband Acoustic Impedance Inversion Using End-to-End Deep Sequential Convolutional Neural Network	Dixit A.;Mandal A.;Ghosh S.K.	73	2025	
564	Journal of Geophysical Research Planets	Mg-Spinel Distribution in South Pole-Aitken (SPA) Basin: Spatial Distribution, Geologic Context and Spectral Characterization	Sodha G.;Dhingra D.	130	2025	
565	Journal of Hydrology	Assessing the field-scale crop water condition over an intensive agricultural plain using UAV-based thermal and multispectral imagery	Dash S.K.;Sembhi H.;Langsdale M.;Wooster M.;Dodd E.;Ghent D.;Sinha R.	655	2025	

566	Lithos	Archean TTGs and high-K granitoids from the Madawara domain, Southern Bundelkhand Craton: Insights into petrogenesis, crustal growth, and mantle metasomatism	Singh P.K.;Kumar A.;Sahoo B.;Joshi K.B.;Kumar S.;Paul D.;Oliveira E.P.;Dakshita ;Singh V.K.;Gond A.K.;Kispotta A.N.;Rahi I.C.;Patel R.C.	522-523	2026	
567	International Journal of Remote Sensing	Integrating UAV thermal imagery and in-situ data for high-resolution crop water stress–soil moisture dynamics over India’s agricultural hotspot	Dash S.K.;Sembhi H.;Sinha R.	47	2026	Jan-26
568	Geochemistry	Plume-lithospheric mantle interaction for the origin of Archean mafic–ultramafic volcanics of the Prithvipur Greenstone Belt, Bundelkhand Craton, India: Geochemical and Sm-Nd isotopic constraints	Sahoo B.;Singh P.K.;Kumar A.;Paul D.;Verma S.K.;Oliveira E.P.;Darío T.S.;Dakshita ;Ranjith P.M.	86	2026	
569	Journal of Petrology	Insignificant Mantle Plume Contribution to the Generation of the Rajmahal Traps, India	Paul D.;Halder M.;Stracke A.;Nahak T.K.	67	2026	
570	Journal of Earth System Science	Enhanced 3D visualization based on inverse modeling of non-parallel 2D ERT profiles: an example for assessing COPR waste dump site in Umaran, India	Mishra U.;Bakshi A.;Mandal A.	135	2026	

Economic Sciences

571	Journal of Economic Asymmetries	The asymmetric impact of fiscal decentralization on ecological footprint-accounting for methodological refinements and globalization facets	Choudhury A.;Sahu S.	31	2025	
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572	Journal of Public Health Policy	A population-level impact assessment of the National Health Mission on maternal and child health outcomes in India	Singh A.;Vellakkal S.;Mishra A.K.	46	2025	359-374
573	Indian Economic Review	Understanding the effect of market risks on new pension system and government responsibility	Das S.;Datta B.;Tiwari S.R.	60	2025	01-Oct
574	Games and Economic Behavior	Stable mixing in Hawk–Dove Games under best experienced payoff dynamics	Srinivas Arigapudi, Yuval Heller	151	2025	148-161
575	American Economic Journal: Microeconomics	Heterogeneous noise and stable miscoordination	Srinivas Arigapudi, Yuval Heller, Amnon Schreiber	Forthcoming	2025	
576	Plos One	Economic inequality and crime across cities in India: Evidence using nighttime lights data	Mathen C.K.;Chattopadhyay S.;Sahu S.;Mukherjee A.	20	2025	
577	Social Choice and Welfare	Data-driven auditing of business and self-employment earnings	Bag P.;Datta N.;Wang P.	64	2025	665-698
578	Emerging Markets Review	Interconnectedness and systemic risk in financial networks: Fresh evidence from India	Sharma H.K.;Ahmad W.	69	2025	
579	Theoretical and Practical Research in the Economic Fields	An Application of the Generalized Method of Moments on the Mankiw-Romer-Weil Model	Chakraborty A.;Chattopadhyay S.;Sahu S.	16	2025	537-548
580	Finance Research Letters	When the central banks are all ears? Examining the communication spillovers over time	Shrimali S.;Ahmad W.	86	2025	
581	Journal of Asian Economics	Impact of climate change on inflation and output in an emerging economy: Empirical evidence from India	Kumar S.	101	2025	

582	Journal of Asian Economics	Unravelling the factors behind Indonesia's international exchange reserves	Kumar S.;Prabheesh K.P.;Gunadi I.	102	2026	
583	Journal of Economic Behavior and Organization	Competitive disclosure of information to a rationally inattentive agent	Jain V.;Whitmeyer M.	242	2026	
584	Agricultural Economics United Kingdom	Does Alcohol Prohibition Improve Caloric and Macronutrient Intake From Healthy Food Sources? Evidence From Bihar, India	Krishnatri V.;Vellakkal S.	57	2026	
585	Economic Modelling	Fragile firms, fierce shocks: The asymmetric firm-level transmission of monetary policy in India	Raghuvanshi A.P.;Ahmad W.	156	2026	
586	Gerontology	State-Level Variations in Hypertension Management and Cardiovascular Disease Risks in India: Public Spending on Health and Socioeconomic Inequalities	Anindya K.;Zhao Y.;Vellakkal S.;Perianayagam A.;Pati S.;Marthias T.;Malik M.;Lee J.T.		2026	Jan-15
587	Journal of Behavioral and Experimental Finance	Do global bond market sentiments transmit to green bonds? Evidence from a quantile connectedness framework	Chahal R.J.K.;Bidasaria H.;Khan H.A.;Ahmad W.	49	2026	
588	Health Policy and Planning	Conditional cash incentives, community health workers, and continuum of maternal and child healthcare: evidence from India	Nisha Mishra; Sukumar Vellakkal		2026	

Economic Sciences

589	Journal of Economic Asymmetries	The asymmetric impact of fiscal decentralization on ecological footprint-accounting for methodological refinements and globalization facets	Choudhury A.;Sahu S.	31	2025	
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590	Journal of Public Health Policy	A population-level impact assessment of the National Health Mission on maternal and child health outcomes in India	Singh A.;Vellakkal S.;Mishra A.K.	46	2025	359-374
591	Indian Economic Review	Understanding the effect of market risks on new pension system and government responsibility	Das S.;Datta B.;Tiwari S.R.	60	2025	01-Oct
592	Games and Economic Behavior	Stable mixing in Hawk–Dove Games under best experienced payoff dynamics	Srinivas Arigapudi, Yuval Heller	151	2025	148-161
593	American Economic Journal: Microeconomics	Heterogeneous noise and stable miscoordination	Srinivas Arigapudi, Yuval Heller, Amnon Schreiber	Forthcoming	2025	
594	Plos One	Economic inequality and crime across cities in India: Evidence using nighttime lights data	Mathen C.K.;Chattopadhyay S.;Sahu S.;Mukherjee A.	20	2025	
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605	Journal of Behavioral and Experimental Finance	Do global bond market sentiments transmit to green bonds? Evidence from a quantile connectedness framework	Chahal R.J.K.;Bidasaria H.;Khan H.A.;Ahmad W.	49	2026	
606	Health Policy and Planning	Conditional cash incentives, community health workers, and continuum of maternal and child healthcare: evidence from India	Nisha Mishra; Sukumar Vellakkal		2026	

Electrical Engineering

607	Optik	Hybrid routing based RMSA algorithm for service delay aware applications in elastic optical networks	Heera B.S.;Singh Y.N.	324	2025	
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608	Electric Power Systems Research	Dynamic state estimator for power systems modeled by constrained differential–algebraic equations	Sehrawat M.;Chakrabarti S.;Rajawat K.	242	2025	
609	Multimedia Tools and Applications	Variable feature weighted fuzzy k-means algorithm for high dimensional data	Singh V.;Verma N.K.	84	2025	34331-34348
610	Electric Power Systems Research	Canyon load curve management and network loss reduction using Virtual Storage Bank	Verma S.;Pannala S.;Sharma A.;Schulz N.;Bajpai P.	243	2025	
611	Automatica	External Bias and Opinion Clustering in Cooperative Networks	Kamthe A.N.;Thota V.;Shrinath A.;Tripathy T.	175	2025	
612	Optimization and Engineering	Chance-constrained robust dynamic OPF in mutually coupled distribution networks with uncertain injections	Paul S.K.;Mohapatra A.;Das D.C.	26	2025	1933-1955
613	ACS Energy Letters	Lead-Free Cs3Bi2I9 Perovskite Memristors for Energy-Efficient Neuromorphic Computing	Vishwanath S.K.;Karkera C.;Mohammad T.;Sharma P.;Badavathu R.N.;Khandelwal U.;Kanwat A.;Chakrabarty P.;Suresh D.;Sahay S.;Sadhanala A.	10	2025	2193-2202
614	AEU International Journal of Electronics and Communications	Realization of filtering leaky-wave antenna in Goubau-line	Kant R.;Prasad C.S.;Biswas A.;Akhthar M.J.	197	2025	

615	Physical Review B	Coherent spectroscopy of a single Mn-doped InGaAs quantum dot	Filipovic J.;Kundu A.;Vij N.K.;Fécherolle S.;Lemaître A.;Gupta S.;Krebs O.	111	2025	
616	Electric Power Systems Research	A novel congestion based pricing model for prosumer-centric smart grid systems	Arora M.;Vishwanath G.M.;Sharma A.;Chilamkurti N.	247	2025	
617	Signal Processing Image Communication	Multi-fish tracking with underwater image enhancement by deep network in marine ecosystems	Mukherjee P.;Mandal S.;Jerripothula K.R.;Maharshi V.;Katara K.	138	2025	
618	Jphys Photonics	Novel design paradigm for highly efficient and low noise photodetectors	Chowdhury S.;Rituraj ;Krishnamurthy S.;Bhallamudi V.P.	7	2025	
619	Scientific Reports	Zero-Power consumption based evaporative cooling for rated current conduction in SiC mosfets	Hong K.B.;Singh S.K.;Sung C.;Hsiao Y.S.;Hsiao Y.K.;Chauhan Y.S.;Kuo H.C.;Wu T.L.;Tu C.C.	15	2025	
620	Optical Fiber Technology	Requested bandwidth adaptive network state based adaptive routing and spectrum allocation algorithms in Elastic Optical Network	Srivastava R.;Singh Y.N.;Lohani V.;Sharma A.;Heera B.S.	93	2025	
621	Jphys Photonics	Programmable Mach-Zehnder Interferometer without bends for high density and integrated linear operation	Mane O.S.;Bhat Y.A.;Krishnamurthy S.;Rituraj	7	2025	

622	Neuromorphic Computing and Engineering	Exploiting drain-erase scheme in ferroelectric FETs for logic-in-memory	Rafiq M.;Chauhan Y.S.;Sahay S.	5	2025	
623	Materials Science in Semiconductor Processing	LPCVD grown n-type doped β -Ga ₂ O ₃ films on c-plane sapphire using TEOS precursor	Anwer M.;Verma A.	197	2025	
624	Journal of Applied Physics	Thermally tunable dual channel toroidal metasurface on VO ₂ platform	Yogitha S.N.;Acharyya N.;Mishra A.;Akkanaboina M.;Verma A.;Singh Rana D.;Roy Chowdhury D.	137	2025	
625	ACS Applied Optical Materials	Reconfigurable Infrared (IR) Emissivity of VO ₂ Patterns Fabricated via Maskless Laser Writing for Adaptive IR Applications	Bandhu H.;Verma A.	3	2025	1162-1170
626	Microelectronic Engineering	Comprehensive analysis and investigation of GaN LNA for 3–4 GHz using different gate-drain spacing	Ansari M.H.;Thakur S.;Bajpai N.;Maity P.;Lahgere A.;Ahsan S.A.;Shah M.;Chauhan Y.S.	299	2025	
627	IEEE Transactions on Audio, Speech and Language Processing	Explainable Deep Learning Analysis for Raga Identification in Indian Art Music	Parampreet Singh;Vipul Arora		2025	
628	Plos One	Odor classification: Exploring feature performance and imbalanced data learning techniques	Ameta D.;Kumar S.;Mishra R.;Behera L.;Chakraborty A.;Sandhan T.	20	2025	

629	Scientific Reports	Demonstration of accurate ID-VG characteristics modeling in SiC mosfets using separated artificial neural networks with small training dataset	Chankla M.;Chen B.R.;Singh S.K.;Chauhan Y.S.;Lee W.J.;Chen N.Y.;Kanjanachuchai S.;Wu T.L.	15	2025	
630	Optics and Laser Technology	Dynamic color switching in direct laser written Vanadium dioxide patterns	Bandhu H.;Verma A.	191	2025	
631	Physica Scripta	Fibonacci reconfiguration strategy to manoeuvre partially shaded photovoltaic arrays: an experimental prototype	Tatabhatla V.M.R.;Agarwal V.;Agarwal A.;Singh S.N.	100	2025	
632	Optical Fiber Technology	Bandwidth demand adaptive link weight aware OSNR based dynamic and hybrid routing, modulation, and spectrum allocation in multi-band multiplexed elastic optical networks	Srivastava R.;Singh Y.N.;Lohani V.	93	2025	
633	Jphys Photonics	Two-photon absorption study with coupled mode formalism	Gupta N.;Das S.;Krishnamurthy S.;Krishnan S.;Rituraj	7	2025	
634	Optical Fiber Technology	Empowering immersive XR experience through scalable and cost-effective EPON access networks	Patel A.;Roy D.;Singh Y.N.	94	2025	
635	Sustainable Energy Grids and Networks	Adaptive ensemble learning for real-time detection of price manipulation attacks on smart meters	Arora M.;Vishwanath G.M.;Sharma A.;Chilamkurti N.	43	2025	
636	Defence Science Journal	Study of Multi-state Phase Gradient Surface with Single Beam Anomalous Reflection for Passive RIS Applications	Rana S.;Sreenija Y.S.;Harish A.R.	75	2025	278-284

637	IEEE Transactions on Molecular Biological and Multi Scale Communications	ISI-Aware Code Design: A Linear Approach Toward Reliable Molecular Communication	Nath T.;Benerjee K.G.;Banerjee A.	11	2025	549-571
638	Ceramics International	Enhanced microwave absorption properties of Nd-doped barium hexaferrite and reduced graphene oxide nanocomposites in the X-band	Riyaz ;Shahnawaz M.;Abushad M.;Ansari A.;Akhtar M.J.;Baskey H.B.;Husain S.;Khan W.	51	2025	38309-38319
639	IEEE Transactions on Artificial Intelligence	Feature Transformation for Fast and Efficient Learning in Near-Field Source Localization	Dwivedi P.;Routray G.;Hegde R.M.	7	2026	1418-1429
640	Journal of Vacuum Science and Technology A Vacuum Surfaces and Films	Gallium flux induced etching of β -Ga ₂ O ₃ in an LPCVD system	Kumar D.;Verma A.	43	2025	
641	Journal of Alloys and Compounds	Optimization of VO ₂ synthesis using in-situ resistance measurements	Borkotoky A.;Verma A.	1037	2025	
642	IEEE Transactions on Wireless Communications	IRS-Enhanced Cell-Free mMIMO-OTFS Systems: Learning-Based Channel Estimator and SE Analysis	Sheikh M.A.;Arya N.;Rajoriya A.;Budhiraja R.	25	2026	2213-2230
643	Hardwarex	OpenThruster: An open-source, mostly 3D-printed thruster for marine vehicles	Fernandes M.;Sahoo S.R.;Kothari M.	23	2025	
644	IEEE Transactions on Industry Applications	Suppressing Synchronization Inrush in a VSI Based 3-Phase Standalone Micro-Grid	Ghosh S.;Sensarma P.	62	2026	60-70
645	Applied Physics Letters	Demonstration of high threshold voltage Tri-gate hybrid ferroelectric gate stack GaN HEMT with 1.2 GW/cm ² Baliga's figure-of-merit and highly robust TDDDB stability	Rai R.;Tran H.D.;Yang T.Y.;Mazhari B.;Chang E.Y.	127	2025	

646	Optical Fiber Technology	A novel fragmentation metric and fragmentation-aware adaptive routing and spectrum allocation algorithm in elastic optical network	Srivastava R.;Singh Y.N.	94	2025	
647	Optical Fiber Technology	Capacity-aware resource provisioning by prioritizing the highest capacity band in next-generation multi-band elastic optical networks	Srivastava R.;Singh Y.N.	94	2025	
648	Nature	A complementary two-dimensional material-based one instruction set computer	Ghosh S.;Zheng Y.;Rafiq M.;Ravichandran H.;Sun Y.;Chen C.;Goswami M.;Sakib N.U.;Sadaf M.U.K.;Pannone A.;Ray S.;Redwing J.M.;Yang Y.;Sahay S.;Das S.	642	2025	327-335
649	Advanced Intelligent Systems	1 Transistor-Dynamic Random Access Memory as Synaptic Element for Online Learning	Bashir M.Y.;Sharma P.;Sahay S.	7	2025	
650	Microwave and Optical Technology Letters	Time Modulated Metasurface in X-Band for Radar Countermeasure	Maan K.P.S.;Vishwakarma R.;Srivastava K.V.	67	2025	
651	Neuromorphic Computing and Engineering	Skyrmion-based synaptic element with strain-mediated plasticity	Kaur J.;Saurabh S.;Sahay S.	5	2025	
652	International Journal of Smart Grid	Voltage Stability Assessment in Radial Distribution Systems: Leveraging Artificial Neural Networks for High Penetration of Solar PV and EVs	Suresh K.;Kanakasabapathy P.;Chakrabarti S.;Panda S.K.	9	2025	158-175

653	Journal of Dynamic Systems Measurement and Control	A Robust Lateral Dynamics Control Scheme for a Human-Driven Four-Wheel-Independent-Steering Electric Vehicle	Gurbani C.;Potluri R.	148	2026	
654	IEEE Transactions on Wireless Communications	Generalized Superimposed Pilots in Jammed Cell-Free Massive MIMO Systems: Jamming-Robust Receiver Design, SE Analysis, and Percentile Optimization	Sofi A.N.;Amudala D.N.;Vyas V.M.;Budhiraja R.	25	2026	2763-2780
655	Applied Physics Letters	Negative bias threshold voltage instability and gate reliability in GaN tri-gate HEMTs with ferroelectric charge-trap gate stack	Rai R.;Nguyen K.Q.;Tran H.D.;Ho V.Q.;Lu C.H.;Wu J.S.;Weng Y.C.;Mazhari B.;Chang E.Y.	127	2025	
656	Automatica	Trajectory elongation strategies with minimum curvature discontinuities for a Dubins vehicle	Rao A.K.;Tripathy T.	182	2025	
657	European Journal of Control	Desired group consensus in arbitrary signed networks	Priya S.;Shrinate A.;Tripathy T.	85	2025	
658	Applied Physics A Materials Science and Processing	Influence of Nd doping on the structural, morphological, magnetic and dielectric properties of M-type strontium hexaferrite nanostructures	Riyaz ;Shahnawaz M.;Abushad M.;Arshad M.;Ansari A.;Akhtar M.J.;Husain S.;Khan W.	131	2025	
659	IEEE Transactions on Communications	Optimal Hybrid Transmit Beamforming for mm-Wave Integrated Sensing and Communication	Singh J.;Naveen B.;Srivastava S.;Jagannatham A.K.;Hanzo L.	73	2025	15068-15082

660	Microelectronic Engineering	Ultra-compact neural network ADC exploiting ferroelectric FETs	Banerjee A.;Bhattacharya S.;Chakraborty A.;Chauhan Y.S.;Sahay S.	302	2026	
661	IEEE Transactions on Circuits and Systems I Regular Papers	Ferroelectric Digital In-Memory Computing for Scalable, Reliable, and Efficient Similarity Computation	Kar A.;Mema A.;Nemec T.;Dunkel S.;Mulaosmanovic H.;Beyer S.;Chauhan Y.S.;Amrouch H.	73	2026	800-813
662	Microwave and Optical Technology Letters	Analyzing the CPW Modes for Frequency Re-Configurability in a Wideband Cylindrical Dielectric Resonator MIMO Antenna	Kumari P.;Gangwar R.K.;Chaudhary R.K.	67	2025	
663	Acta Mechanica	A short laminar separation bubble over a rounded backward facing step	N. Ramalingam; S. P. Das		2025	
664	Optics & Laser Technology	Robust interferogram processing using deep learning and signal subspace method for phase derivative estimation	Viren S Ram; Rajshekhar Gannavarpu		2025	
665	Applied Optics	Precision surface metrology using a rapid optimization method in diffraction phase microscopy	Subrahmanya Keremane Narayan; Rajshekhar Gannavarpu		2025	
666	Applied Optics	Deep learning approach for flow visualization in background-oriented schlieren	Viren S. Ram; Tullio de Rubeis; Dario Ambrosini; Rajshekhar Gannavarpu		2025	

667	IEEE Microwave Magazine	IEEE AP-S/MTT-S Distinguished Instructor Workshop: Igniting RF and Microwave Education in Young Minds [MGA News]			2025	
668	IEEE Microwave Magazine	The 2025 MTT-S Graduate Student Fellowship Awards [Education News]	Valeria Vadalà; Giovanni Crupi; Marco Mercuri; Changzhi Li; M. Jaleel Akhtar; Mohammadreza Abbasi; Soroush Araei; Baisakhi Bandyopadhyay; Sinwoo Cho; Mohamed Salah Eleraky; Ruibin Gao; Siyi Huang; Haoyang Jia; Hao Jiang; Seyed Ali Keivaan; Yuchen Li; Francesco Manni; Asif Iftekhhar Omi; Rigoberto Vazquez		2025	
669	Journal of Applied Physics	Ultrawideband hybrid metasurface absorber using VO2 and graphene-based FSS for THz applications	Shahnawaz M.;Baskey H.B.;Jaleel Akhtar M.	137	2025	
670	IEEE Transactions on Dielectrics and Electrical Insulation	Novel Technique to Understand the Interaction of Silicone Oil and Grease With Silicone Rubber for Cable Accessories	Darshan Prakash Borthakur; Alok Ranjan Verma		2025	
671	Machines	Emulating Real-World EV Charging Profiles with a Real-Time Simulation Environment	Verma S.;Sharma A.;Tran B.;Alahakoon D.	13	2025	

672	IEEE Antennas and Wireless Propagation Letters	Tri-Band Shared-Aperture Array With Improved Isolation Using Heterogeneous Elements and EBG Structures	Mishra R.;Harish A.R.	25	2026	413-417
673	IEEE Microwave and Wireless Technology Letters	Synthesis of Broadband RF Amplifier Matching Networks Using Continuously Varying Impedance Lines	Ahsan A.;Akhtar M.J.	36	2026	273-276
674	SAE International Journal of Connected and Automated Vehicles	On Optimal Tire Usage in the Path-Tracking Control of Four-Wheel Independent Steering Four-Wheel Independent Drive Electric Vehicles	Kumar D.;Potluri R.	9	2025	
675	IEEE Transactions on Aerospace and Electronic Systems	Design of MRF Brake for Dual-Spin Artillery Projectile	Nayak S.M.;Ramteke V.;Kothari M.;Sahoo S.R.	62	2026	142-152
676	IEEE Transactions on Circuits and Systems II Express Briefs	Design and Implementation of a Nine-Level Double-Boost Common-Ground Inverter With Minimal Component Count	Singh D.;Sandeep N.;Kant P.	73	2026	218-222
677	Flexible and Printed Electronics	Top-illuminated organic photovoltaic cells with slot die coating of functional layers processed in ambient conditions	Apoorva Singh; Eswaran Jayaraman; Madhu Rawat; Chinmay Bapat; Sundar Kumar Iyer		2025	
678	IEEE Transactions on Molecular Biological and Multi Scale Communications	Molecular Communication in Bounded Spherical Region With Anomalous Diffusion Phenomenon	Charitha T.S.K.;Chouhan L.;Gupta A.K.;Dey R.;Kadali E.;Mente S.;Rituraj ;Sharma P.K.	12	2026	105-110
679	IEEE Electron Device Letters	Compact GaN-Based DCFL Amplifier With Direct-Coupled Loads for Wide-Temperature Applications	Singh S.K.;Singh Chauhan Y.;Wu T.L.	47	2026	273-276

680	Microwave and Optical Technology Letters	Two-Dimensional Wide-Angle Beam-Switching Using Beamforming Matrix and Reconfigurable Antenna Array for Base Station Applications	Dutta R.K.;Srivastava K.V.	67	2025	
681	IEEE Transactions on Molecular Biological and Multi Scale Communications	Target Detection in Clustered Mobile Nanomachine Networks	Sabu N.V.;Kumar Pandey K.;Gupta A.K.;Sameer S.M.	12	2026	92-104
682	IEEE Journal of Emerging and Selected Topics in Industrial Electronics	A Circulating Current Control Technique in a Three-Phase Parallel-Connected Integrated Onboard Charger	Singh M.;Samanta S.;Das S.P.	7	2026	335-347
683	Photonic Network Communications	Congestion-aware and service latency-aware RMCSA algorithm for dynamic service provisioning in software-defined SDM-EONs	Heera B.S.;Petale S.;Singh Y.N.;Subramaniam S.	51	2026	
684	IEEE Transactions on Communications	Sequential Parameter Estimation for Beam-Squint Aware THz MIMO-OFDM ISAC Systems	Gupta A.;Mehrotra A.;Srivastava S.;Jagannatham A.K.	74	2026	3674-3687
685	IEEE Microwave Magazine	Education Committee News [Education News]	Davi Rodrigues; Xun Gong; Rashaunda Henderson; M. Jaleel Akhtar		2026	
686	IEEE Access	Reference-Free Near-Field Microwave Imaging Through Optimal Standoff Distance Control for High-Contrast Subsurface Anomaly Detection	Chakravarty S.;Khasnobish A.;Akhtar M.J.	14	2026	5777-5792
687	IEEE Transactions on Power Delivery	Generalized Neural Network to Locate Fault in DC Microgrid Using Limited Initial Samples	Maurya S.K.;Mohapatra A.;Sharma A.	41	2026	387-398

688	IEEE Transactions on Audio, Speech and Language Processing	Recognizing Ornaments in Vocal Indian Art Music With Active Annotation	Sumit Kumar; Parampreet Singh; Vipul Arora		2026	
689	IEEE Transactions on Computers	Evaluation of Radiation Resilience, Performance, and Vmin of Sub-3 nm FSFET Based SRAM Arrays	Raza H.;Benkhelifa M.;Kumar K.;Parihar S.S.;Singh Chauhan Y.;Amrouch H.;Lahgere A.	75	2026	1197-1208
690	IEEE Robotics and Automation Practice	Bin-Picking With Category-Agnostic Segmentation for Unreliable Depth Scenarios	Prem Raj; Lirong Xiang; Laxmidhar Behera; Tushar Sandhan		2026	
691	Microwave and Optical Technology Letters	RCS Reduction of Antenna Array Using Wideband Polarization-Insensitive A-T-A RASORBER	Bandyopadhyay B.;Vishwakarma R.;Ghosh S.;Srivastava K.V.	67	2025	
692	IEEE Transactions on Vehicular Technology	Amalgamated CHIRP and OFDM for ISAC	Kumar P.;El-Hajjar M.;Hemadneh I.A.;Mestrah Y.;Srivastava S.;Jagannatham A.K.;Hanzo L.		2026	
693	IEEE Transactions on Antennas and Propagation	Polarization Insensitive Wideband Time-Modulated Frequency Selective Surface: An Approach for Radar Countermeasure of Microstrip Antenna	Bandyopadhyay B.;Vishwakarma R.;Saikia M.;Vaibhav Srivastava K.	74	2026	2420-2430
694	IEEE Transactions on Artificial Intelligence	A Hybrid Framework for Hallucination Detection in Large Language Models	Yadav S.;Verma N.K.		2026	
695	IEEE Journal of Solid State Circuits	A 2.7–15.5 GHz Programmable Bandwidth Continuous-Time Active Filter in 65 nm CMOS	Anupam M.;Mondal I.		2026	

696	IEEE Journal on Selected Areas in Communications	Combining Capacity and Reliability via Inter-Frequency Handovers	Datta S.;Budhiraja R.;Liu P.;Panwar S.S.	44	2026	3168-3184
697	IEEE Transactions on Industry Applications	Development of Three-level F-Type Inverter fed PMSM Drive with ANN-assised $\alpha'\beta'$ -Framed Virtual SVPWM for Electric Propulsion	Roy P.;Bandyopadhyay A.;Kurre M.;Charan N.H.;Ramakrishna P.;Kant P.		2026	
698	Control Engineering Practice	Nonlinear control of a tilt augmented multi-rotor UAV with a fixed maximum convergence rate in presence of Inertia uncertainties	Seshasayanan S.;Sahoo S.R.	168	2026	
699	IEEE Transactions on Automation Science and Engineering	Analysis of Independent Control in Tilt-Rotor Quadrotors	Seshasayanan S.;Chaturvedi S.;Sahoo S.R.	23	2026	979-994
700	Nano Letters	Wide Angle Polarization-Independent 6-Bit Optical Modulator Using Phase Change Material	Malireddi A.P.;Chejarla S.;Krishnamurthy S.;Srinivasan B.;Rituraj ;Bhaskaran H.;Manivannan A.	26	2026	3049-3055
701	IEEE Transactions on Electron Devices	Soft Error Analysis in NSFET and FSFET: From Device Physics to Circuit and Memory Impact	Raza H.;Amrouch H.;Lahgere A.		2026	
702	Applied Physics Letters	Multi-probe detection of domain nucleation across the metal–insulator transition in VO2	Paul S.;Mattoni G.;Ghosh A.;Kesarwani P.;Sahu D.;Ahlawat M.;Ashok P.;Verma A.;Govind Rao V.;Sow C.	128	2026	

703	IEEE Transactions on Circuits and Systems I Regular Papers	Generalized and Simplified Analysis of Two-Port N-Path LPTV Delay-Lines	Bhat M.A.;Mondal I.		2026	
704	IEEE Wireless Communications Letters	CrossNet: Lightweight Transformer-Based CSI Compression Network for Massive MIMO Systems	Lanjhi A.;Chethan R.;Budhiraja R.	15	2026	1831-1835
705	IEEE Transactions on Energy Markets Policy and Regulation	IDSO-Managed Bid-Based Transactive Design for DER Participation in Wholesale Markets While Preserving T-D Interactions	Sharma S.;Battula S.;Singh S.N.		2026	
706	Optics Continuum	All-optical cross-phase modulation-based aggregation of RZ-BPSK and NRZ-OOK in an octagonal highly nonlinear dispersion-flattened PCF	Singh N.;Singh Y.N.	5	2026	713-731
707	Photonic Network Communications	Link cost optimization using non-dominated sorting genetic algorithm for request handling in elastic optical networks	Upadhyay P.;Heera B.S.;Singh Y.N.	51	2026	
708	IEEE Wireless Communications Letters	Fairness Optimization in Beyond Diagonal STAR-RIS-Aided NOMA-Enhanced NF-ISAC	Singh R.P.;Singh K.;Singh S.K.;Singh Y.N.	15	2026	2065-2069
709	IEEE Transactions on Wireless Communications	Sum Rate Maximization for Beyond Diagonal STAR-RIS Assisted Near-Field ISAC Systems	Singh R.P.;Singh K.;Singh S.K.;Singh Y.N.;Tseng F.S.	25	2026	12819-12836
710	Applied Physics Letters	Enhancing meandering VO2 microwire bolometer sensitivity via confined electron layer	Sehrawat A.;Ghosh S.N.;Singh A.;Haldar S.;Singh S.;Borkotoky A.;Verma A.;Goswami A.;Balasubramanian K.B.	128	2026	

711	IEEE Transactions on Vehicular Technology	Two-Stage Hybrid Transceiver Design Relying on Low-Resolution ADCs in Partially Connected MU Terahertz (THz) MIMO Systems	Garg A.;Kumar A.;Srivastava S.;Jagannatham A.K.;Hanzo L.		2026	
712	IEEE Transactions on Electron Devices	Nonlinear Body Resistance in SOI MOSFETs Under Dynamic Depletion: Compact Modeling and DC Characterization	Nandi D.;Kumar Dabhi C.;Rajasekharan D.;Karumuri N.;Turuvekere S.;Dutta A.;Swaminathan B.;Srihari S.;Hu C.;Singh Chauhan Y.	73	2026	1155-1162
713	Scientific Reports	Perching of quadrotor using adaptive second-order continuous control in the presence of uncertainties	Gupta S.;Nandanwar A.;Dhar N.K.;Behera L.;Samanta S.	16	2026	
714	IEEE Transactions on Industry Applications	A Cluster-Wise Response Aggregation-Based Privacy Preservation Strategy for Pool Energy Market Participation	Dash S.;Sodhi R.;Singh S.N.		2026	
715	IEEE Transactions on Electron Devices	Cryogenic Temperature Electrical Characterization of Enhancement-Mode Thin Barrier AlGaIn/GaN HEMT With Hybrid Ferroelectric Charge Trap Gate-Stack	Rai R.;Nguyen K.Q.;Ho V.Q.;Tran H.D.;Mazhari B.;Chang E.Y.		2026	
716	IEEE Transactions on Artificial Intelligence	Complex AFNet: A Hybrid Complex-Valued Deep Network for Atrial Fibrillation Detection	Mahali P.S.P.K.;Mohanta D.;Sandhan T.		2026	

Humanities and Social Sciences

717	TQM Journal	Critical success factors for open source innovation in pharma industry: learning from two case studies	Jha A.;Sharma R.R.K.;Kumar V.	38	2026	113-133
718	Journal of Small Business and Enterprise Development	Access to finance and its impact on operational efficiency of MSMEs: mediating role of entrepreneurial personality and self-efficacy	Singh S.;Raj R.;Dash B.M.;Kumar V.;Paliwal M.;Chauhan S.	32	2025	596-619
719	Sexuality Research and Social Policy	Relationship Dynamics and Young Women's Contraceptive Use	Sennott C.;Chatterjee E.;Yeatman S.	22	2025	1552-1563
720	British Journal of Learning Disabilities	Impact of COVID-19 Pandemic on Children With Intellectual Disabilities and Their Parents: The Perspective of Parents in India	Gogoi P.P.;Jha M.	53	2025	405-415
721	Extractive Industries and Society	Prakuam: Local knowledge commodification and preservation of Khmer silverware techniques and objects in Surin Province of Thailand	Klangrit S.;Kumar V.;Lu T.C.;Perrodin D.D.	22	2025	
722	Journal of Quantitative Economics	Spatial Convergence Among Indian Districts: An Econometric Evidence	Chauhan M.;Mathur S.K.;Kulshreshtha P.	23	2025	679-711
723	Journal of Vocational Education and Training	Artisanship of risk: the uncertainty of traditional design	Patil K.	78	2026	Jan-22
724	Journal of Spirituality in Mental Health	Happiness based on religion case of Christianity in Thailand: national survey	Klangrit S.;Lu T.C.;Kumar V.;Vermar P.;Phueakbuakhao W.;Bali S.;Shen Z.	28	2026	32-52
725	Journal of Contingencies and Crisis Management	Strategic Response to Organizational Crisis: A Bibliometric Approach	Kumari N.;Raj R.;Kumar V.;Verma P.	33	2025	

726	Qualitative Health Research	Using Structural Competency to Augment Culturally Responsive Research on Mental Health in Neoliberal Context: <u>Ethnographic Reflections</u>	Jain N.;Gupta A.;Sharma D.;Kukreja S.;Priya K.R.	35	2025	433-447
727	Retos	Green Human Resource Management Practices on the Sustainable Performance of India's Sports Sector	Saiyed S.;Hasan M.;Chowdhury R.;Hossain M.A.;Musa S.;Kumar V.	67	2025	946-961
728	Asian Journal of Interdisciplinary Research	Leveraging Innovative Logistics for Strengthening Supply Chain Resilience in the Face of <u>Disruptions</u>	Verma P.;Kumar V.;Verma P.;Lai K.K.;Kaur P.	8	2025	35-55
729	Journal of Development Studies	Impact of Early Childhood School Intervention on Enrolment and Learning Outcomes: Evaluation of a <u>Public Program in India</u>	Bhattacharya N.;Pakrashi D.;Saha S.;Sahoo S.	62	2026	46-67
730	Transport Policy	Comparative study of the impact of Indian transportation infrastructure on firm-level <u>performance in inland waterways</u>	Srivastava A.;Mathur S.K.;Chauhan M.;De P.	171	2025	764-802
731	Operations Research Forum	Navigating the Frontiers of Industry 5.0: Predictive Analysis Using Natural Language Processing	Sharma S.;Sharma C.;Batra I.;Malik A.;Kaswan M.S.;Du D.;Kumar V.	6	2025	
732	Asian Journal of Interdisciplinary Research	Exploring the Link between Organizational Commitment, Person– Organization Fit, and <u>Work-Life Conflict</u>	Seth M.;Singh S.;Kumar V.;Jha A.;Mahmood A.	8	2025	89-104
733	International Review of Management and Marketing	Revitalizing Resources: The Role of Human Capital in Driving Recycling and Refurbished Product Initiatives	Saiyed S.;Kumar V.;Verma V.K.	15	2025	320-328

734	Journal of Buddhist Anthropology	HAPPINESS BASED ON RELIGION AMONG PRE-RETIREMENT STAGE CAREERS OF BUDDHISTS IN THAILAND: INSIGHTS FROM A NATIONAL SURVEY	Klangrit S.;Lu T.C.;Shen Z.;Phueakbuakhao W.;Tubmarerng C.;Warathammanyu P.E.;Siripaprapagon Y.;Kumar V.	10	2025	173-190
735	Policy Studies Journal	Coalition Opportunity Structures and Advocacy Coordination in Consensus and Majoritarian Democracies	Satoh K.;Gronow A.;Ylä-Anttila T.;Delicado A.;Schmidt L.;Swarnakar P.;Wagner P.M.;Yun S.J.	54	2026	
736	Journal of Development Economics	Fertility outcomes and parental well-being in later life: Evidence from India	Bhat B.A.;Chatterjee E.;Thakur S.	177	2025	
737	Economics Innovative and Economics Research Journal	EXPLORING THE IMPACT OF GREEN BEHAVIOUR ON ORGANIZATIONAL GREEN PERFORMANCE: THE MEDIATING ROLE OF GREEN TRAINING PROGRAMS AND GREEN COMPENSATION IN VIETNAM'S ENERGY SECTOR	Saiyed S.;Roshid M.;Kumar V.;Phan Q.H.	13	2025	53-67
738	Nidān: International Journal for Indian Studies	Re-reading the Role of Violence in the Naxalbari Movement (1965-1975) through The Naxalites	Pritha Sarkar; Sayan Chattopadhyay		2025	
739	Economic and Political Weekly	India Opting Out of the Trade Pillar: A Quantitative Assessment of the Indo-Pacific Economic Framework	Sen R.;Mathur S.	60	2025	48-57

740	Journal of Open Innovation Technology Market and Complexity	The effects of green orientation and technological agility on sustainable competitive advantage under environmental uncertainty: Organizational agility as a pathway	Saiyed S.;Kumar V.;Waje A.;Tedjakusuma A.P.	11	2025	
741	Journal of Applied Philosophy	Tracking the Epistemic Harms of Marital Rape: The Case for Experiential Injustice	Ravish S.;Sharma R.	43	2026	276-296
742	Economic and Political Weekly	The Global Impact of Trump 2.0 Tariffs, with a Special Focus on India	Srivastava A.;Mathur S.K.;De P.	60	2025	62-70
743	Equilibrium Quarterly Journal of Economics and Economic Policy	Harnessing artificial intelligence to strengthen green innovation capacity in pursuit of sustainable development goals: Evidence from Taiwan's manufacturing sector	Saiyed S.;Hasan M.;Chowdhury R.;Tousif Bin Parves K.M.;Hariyadi E.;Kumar V.	20	2025	877-904
744	Frontiers in Psychology	Understanding shame, guilt, embarrassment and pride: a systematic review of self-conscious emotions	Diksha Singh; Braj Bhushan		2025	
745	Autism Research	Facial Expression Databases and Autism Spectrum Disorder: A Scoping Review	Rishabh Pandey; Braj Bhushan		2025	
746	Design Journal	PadhAI: Autoethnographic journey of a neurodivergent designer navigating text-heavy research barriers	Chakraborty A.;Patil K.;T S.;Rallabhandi I.		2026	
747	TQM Journal	Integrating quality 5.0 approaches for the future of quality management	Kumar V.;Singh A.;Sharma N.;Verma P.		2026	Jan-35

748	Sustainable Development	Carbon Footprint Management as a Catalyst for Sustainable Industrial Practices	Ghosh P.;Choudhury M.;Oberoi A.S.;Ramkumar J.;Kumar V.;Gundwal M.		2026	
749	Economic and Political Weekly	Muslim Personal Law, Inheritance, and Innovation The Curious Case of Shukkur and Sheena's Remarriage	Rahman K.C.M.;Chakrabarti A.	61	2026	15-18
750	IUP Journal of English Studies	Unlocking the Potential of ESL Readers: Significance and Methodology of Teaching Reading Strategies	Pinninti L.R.	21	2026	109-129

Management Sciences

751	Resonance	वेदों और उपतनषदों के तसद्ांतों पर आधारस्त छात्र व ्यतित्व तवकासः एक आधुतनक द्रुतिकोण	Dr. Anuradha Palta and Ishani Mazumdar	13.2 A	2025	393-397
752	Annals of Operations Research	Impact of dynamic flexible capacity on reverse logistics network design with environmental concerns	Shukla M.;Vipin B.;Sengupta R.N.	349	2025	1177-1202
753	Business Perspectives and Research	Is Feminism a Silver Bullet to Shatter African Glass Ceiling? An Examination of the Mediating Role of Financial Wellbeing	Gelgile H.K.;Shukla A.	13	2025	561-574
754	Metrika	Two-stage and purely sequential minimum risk point estimation of the scale parameter of a family of distributions under modified LINEX loss plus	Joshi N.;Bapat S.R.;Sengupta R.N.	88	2025	689-707
755	Annals of Operations Research	A systematic literature review of imperfect quality items: challenges, opportunities, and insights with reference to SDGs	Gautam P.;Maheshwari S.;Hasan A.;Jaggi C.K.	356	2026	831-879

756	Opsearch	A Pareto communicating artificial bee colony algorithm for solving bi-objective quadratic assignment problems	Samanta S.;Philip D.;Chakraborty S.	62	2025	2239-2271
757	Journal of the Operational Research Society	To burn or not to burn: sustainable decisions for net-zero in agricultural supply chain	Samal P.;Venkataraman S.V.	77	2026	177-202
758	Journal of Operations Management	Abundance Versus Scarcity: An Experimental Study of Financially Constrained Newsvendors	Khan M.M.;Vipin B.	71	2025	630-650
759	Computers and Operations Research	Modified ATCR rule for fixed and variable costs of tardiness	Keshri S.;Gupta R.;Khanra A.	182	2025	
760	Annals of Operations Research	A state-of-the-art review of green supply chain management: observations and business insights	Maheshwari S.;Jaggi C.K.;Gautam P.	358	2026	193-273
761	Annals of Operations Research	Two player bargaining model with outside subsidy	Rajput R.;Venkataraman S.V.	358	2026	751-766
762	Review of Corporate Finance	Foreign Institutional Investors, Controlling Shareholders, and Market Timing: Evidence from India	Bindal, S., Haque, I., & Saurabh, S.	5	2025	117-151
763	Cleaner Logistics and Supply Chain	Impact of policies on carbon and lead emissions in a closed loop lead–acid battery supply chain	Sihag N.;Vipin B.	16	2025	
764	Utilities Policy	Operational efficiency and service quality of Indian electricity distribution utilities: A three-stage DEA and Malmquist Index analysis	Sufia ;Singh A.;Mishra S.	96	2025	

765	Journal of Structural Design and Construction Practice	Data-Driven Decision Framework for Modeling and Quantification of Uncertainty and Variability in Construction Project Scheduling	Gupta S.;George R.C.;Philip D.;Nair S.	30	2025	
766	Productivity	Energy Productivity and Green Energy Productivity in India: Do they Follow the Same Trend?	Prasad, M., or Bhattacharya, P.	65	2025	333-348
767	Utilities Policy	The role of institutions and public policies in catalyzing solar power growth in India	Prasad, M., Rana, G.S., or Jindal, R.	97	2025	NA
768	Technovation	Changepoint model for energy-efficient technology diffusion: A comparative evaluation of empirical models	Singhal S.;Bano Y.;Gautam P.	149	2026	
769	International Game Theory Review	Simultaneous and Sequential Abatement in a Differentiated Duopoly Under Linear and Quadratic Cost	Chandran A.;Wang L.F.S.;Ramani V.	27	2025	
770	Electricity Journal	Modernizing India's electricity market: Opportunities for market-based PPAs, contracts for difference, and revenue-sharing contracts	Gupta G.;Singh A.	38	2025	
771	Service Science	Collaboration Between an Airline and Railways to Reduce the Cancellation-Risk of Waitlisted Passengers and Improve Seat Utilization	Ramani V.;Papier F.	17	2025	92-110
772	Energy for Sustainable Development	Decision models for minigrid implementation: Emerging role beyond clean energy access - evidence from India with global relevance	Sharma M.;Singh A.	89	2025	

773	Electricity Journal	Risks and hedging avenues for power market participants: A novel framework and application to India	Singh A.;Gupta G.;Shivhare M.;Malode S.N.;Sangwan V.;Sharma M.;Khare R.	38	2025	
774	Sustainable Energy Grids and Networks	Foundational pillars of peer-to-peer (P2P) energy trading in smart grid using blockchain	Singh K.;Gowda S.N.;Zhang C.;Sheinberg R.;Srivastava A.;Praktiknjo A.;Gadh R.;Singh A.	44	2025	
775	Humanities and Social Sciences Communications	Terrorists' affinity towards borders: an Indian perspective	Singh P.P.;Philip D.;Agrawal M.	12	2025	
776	Managerial and Decision Economics	Overconfidence, Relative Performance Evaluation, and Managerial Delegation Under Quantity Competition: A Reversal Result	Hamamura J.;Ramani V.	47	2026	333-338
777	Applied Energy	Assessing climate change-induced variability in generation potential and droughts of renewable energy Systems in India	Babu A.D.C.A.;Ramadesigan V.;Banerjee R.;Singh A.;Sengupta M.	404	2026	
778	Quality and Quantity	Temporal resilience of international tourism post COVID-19: survival analysis of time to recovery in 34 countries	Chaturvedi S.;Chatterjee D.		2026	
779	Annals of Operations Research	A Rolling-Horizon Framework for Integrated Freight Train Rescheduling and Track Assignment under Disruptions in Large-Scale Networks	Haque M.T.;Hamid F.;Chaudhuri A.		2026	

Mathematics

780	Journal of Mathematical Logic	Turing independence and Baire category	Kumar A.;Shelah S.	25	2025	
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781	Journal of Topology and Analysis	Filling systems on surfaces	Parsad S.;Sanki B.	17	2025	805-821
782	Canadian Journal of Mathematics	Dirichlet-type spaces of the unit bidisc and toral 2-isometries	Bera S.;Chavan S.;Ghara S.	77	2025	1271-1293
783	Journal of Topology and Analysis	Contracting boundary of a cusped space	Pal A.;Pandey R.	18	2026	19-45
784	Journal of Topology and Analysis	Filling with separating curves	Saha B.N.;Sanki B.	17	2025	1841-1867
785	Metrika	Some unified results on isotonic regression estimators of order restricted parameters of a general bivariate location/scale model	Garg N.;Misra N.	88	2025	921-955
786	Annals of Data Science	Statistical Data-Driven Modelling and Forecasting: An Application to COVID-19 Pandemic	Shalabh ;Dhar S.S.;Rajeshbhai S.P.	12	2025	1747-1770
787	Dynamic Games and Applications	Discretization of Fractional Fully Nonlinear Equations by Powers of Discrete Laplacians	Chowdhury I.;Jakobsen E.R.;Lien R.	15	2025	383-405
788	Communications in Statistics Simulation and Computation	Estimation of five parameter bivariate modified Weibull singular distribution	Kumar S.;Kundu D.;Mitra S.	55	2026	1267-1290
789	Statistics and Probability Letters	Kac's central limit theorem by Stein's method	Bhar S.;Mukherjee R.;Patil P.	219	2025	
790	Nonlinear Dynamics	Bifurcations and hydra effect in a patchy ecosystem with asymmetric dispersal	Pal S.;Ghorai S.;Banerjee M.	113	2025	12371-12397
791	International Journal of Numerical Methods for Heat and Fluid Flow	Mixed convection in a partially and differentially heated cavity – a finite volume complete flux analysis	Rathish Kumar B.V.;Pandey C.	35	2025	2788-2812
792	Advances in Applied Probability	THE SPREAD OF AN EPIDEMIC: A GAME-THEORETIC APPROACH	Karmakar S.;Podder M.;Roy S.;Sadhukhan S.	57	2025	749-810
793	Canadian Mathematical Bulletin	Hilbert's 10th problem via Mordell curves	Jha S.;Kundu D.;Majumdar D.	68	2025	939-949

794	Journal of Multivariate Analysis	Geometric scale mixtures of normal distributions	Prajapati D.;Shafiei S.;Kundu D.;Jamalizadeh A.	208	2025	
795	Sankhya B	Absolutely Continuous Semi-parametric Bivariate	Samanta D.;Kundu D.	87	2025	220-248
796	Chaos Solitons and Fractals	Analytical derivation of delayed prey-predator model with hunting-and-resting delay	Adimy M.;Banerjee M.	195	2025	
797	Journal of the Australian Mathematical Society	Relative position between a pair of spin model subfactors	Bakshi K.C.;Guin S.	119	2025	Jan-38
798	Theoretical Population Biology	Importance of environmental productivity and diet quality in intraguild predation	Namba T.;Takeuchi Y.;Banerjee M.	163	2025	24-35
799	Computers in Biology and Medicine	Punctured window based multiscale line detector for efficient segmentation of retinal blood vessels	Makkar V.;Tewary A.;Rathish Kumar B.V.;Pandey R.K.	191	2025	
800	Infinite Dimensional Analysis Quantum Probability and Related Topics	A few remarks on intermediate subalgebras of an inclusion of C^* -algebras	Bakshi K.C.;Guin S.;Jana D.	28	2025	
801	Journal of Algebra	Invariant theory of the queer color group	Dhali T.;Pattanayak S.;Samuel P.	678	2025	706-728
802	Journal of Scientific Computing	Traveling-Wave Solutions and Structure-Preserving Numerical Methods for a Hyperbolic Approximation of the Korteweg-de Vries Equation	Biswas A.;I. Ketcheson D.;Ranocha H.;Schütz J.	103	2025	
803	Journal of Number Theory	3-Selmer groups, ideal class groups and the cube sum problem	Jha S.;Majumdar D.;Shingavekar P.	277	2025	165-200
804	Journal of Differential Equations	A strongly degenerate fully nonlinear mean field game with nonlocal diffusion	Chowdhury I.;Jakobsen E.R.;Krupski M.	440	2025	

805	Nonlinear Differential Equations and Applications	Boundary blow-up solutions of second order quasilinear equation on infinite cylinders	Chowdhury I.;Dattatreya N.N.	33	2026	
806	Journal of Mathematical Analysis and Applications	Fractional Hardy's inequality for half-spaces in the Heisenberg group	Rawat R.;Roy H.	551	2025	
807	Circuits Systems and Signal Processing	Estimating Parameters of Elementary Chirp Model Using Modified Newton-Raphson Algorithm	Nandi S.;Kundu D.	44	2025	7753-7775
808	Annals of Pure and Applied Logic	Model-theoretic K1 of free modules over PIDs	Banerjee S.;Kuber A.	176	2025	
809	Journal of Statistical Computation and Simulation	Inadmissibility of invariant estimator of function of scale parameter of several exponential distributions	Patra L.K.;Bajpai S.;Misra N.	95	2025	2537-2553
810	Mathematics and Computers in Simulation	Superconvergent spectral methods for system of modified Volterra Integral Equations	Kumar R.;Kant K.;Rathish Kumar B.V.	239	2026	115-134
811	Mathematical Biosciences	Estimation of time-varying recovery and death rates from epidemiological data: A new approach	Ghosh S.;Banerjee M.;Dhar S.S.;Mukhopadhyay S.	387	2025	
812	Complex Analysis and Operator Theory	Nevanlinna-Pick Interpolation in the Right Half-Plane	Chavan S.;Sahu C.K.	19	2025	
813	Journal of Mathematical Physics	Deformations of the five dimensional Heisenberg Lie algebra	Fialowski A.;Mandal A.	66	2025	
814	Proceedings of the Indian Academy of Sciences Mathematical Sciences	Conjugate pairs of Hadamard subfactors and vertex models	Bakshi K.C.;Guin S.;Guruprasad	135	2025	
815	Mediterranean Journal of Mathematics	Uniformly Strongly Convex Banach Spaces	Shunmugaraj P.;Zălinescu C.	22	2025	
816	International Journal of Bifurcation and Chaos	Type II Intermittency Route to Hidden Attractor in Modified Lorenz System	Dem H.;Gaine I.;Banerjee M.	35	2025	

817	Canadian Mathematical Bulletin	Generalized Casimir operators for loop Lie superalgebras	Das A.;Pattanayak S.	68	2025	744-760
818	Statistics and Computing	Robust and Efficient Estimation for the Block-Basu Bivariate Exponential Distribution	Kumar S.;Kundu D.;Mitra S.	35	2025	
819	Communications on Pure and Applied Analysis	THE TRUDINGER TYPE INEQUALITY IN FRACTIONAL BOUNDARY HARDY INEQUALITY	Adimurthi ;Roy P.;Sahu V.	24	2025	973-990
820	Journal of Number Theory	Iwasawa theory for Rankin-Selberg product at an Eisenstein prime	Jha S.;Shekhar S.;Vangala R.	279	2026	348-410
821	Ramanujan Journal	Asymptotic Fermat equation of signature (r, r, p) over totally real fields	Jha S.;Sahoo S.	68	2025	
822	Infinite Dimensional Analysis Quantum Probability and Related Topics	Existence and uniqueness of stochastic PDEs associated with the forward equations: An approach using alternate norms	Bhar S.;Bhaskaran R.;Nath A.K.	29	2026	
823	Circuits Systems and Signal Processing	Robust Parameter Estimation of Newton's Rings	Kundu D.	44	2025	8510-8533
824	Computational and Applied Mathematics	Stochastic and spatio-temporal models in understanding the extinction, persistence and control of a within-host viral dynamics	Chhetri B.;Rathish Kumar B.V.	44	2025	
825	Physics of Fluids	Doubly driven cavity flow of Casson fluid under magnetic field in a staggered domain	Sahoo D.K.;Rathish Kumar B.V.;Rathi A.	37	2025	
826	Journal of Algebra	On Gelfand pairs and degenerate Gelfand-Graev modules of general linear groups of degree two over principal ideal local rings of finite length	Gupta A.;Singla P.	684	2025	78-108

827	Journal of Mathematical Analysis and Applications	Composition operators between Beurling subspaces of Hardy space	Anjali V.A.;Muthukumar P.;Shankar P.	554	2026	
828	Journal of Mathematical Analysis and Applications	Automorphisms of subalgebras of bounded analytic functions	Behera K.;Maurya R.;Muthukumar P.	552	2025	
829	International Mathematics Research Notices	Unitary Orthonormal Bases of Finite Dimensional Inclusions	Bakshi K.C.;Bhat B.V.R.	2025	2025	
830	Mathematical Methods in the Applied Sciences	Global Stability and Optimal Control in a Dengue Model With Fractional-Order Transmission and Recovery Process	Sk T.;Bal K.;Biswas S.;Sardar T.	48	2025	14459-14487
831	Nonlinearity	Approximation of arbitrarily high-order PDEs by first-order hyperbolic relaxation	Ketcheson D.I.;Biswas A.	38	2025	
832	Journal of Geometric Analysis	A Transference Principle for Involution-Invariant Functional Hilbert Spaces	Bera S.;Chavan S.;Jain S.	35	2025	
833	Applied Numerical Mathematics	Adaptive SIPG method for approximations of parabolic boundary control problems with bilateral box constraints on Neumann boundary	Manohar R.;Rathish Kumar B.V.;Buda K.;Sinha R.K.	219	2026	170-201
834	Quality and Reliability Engineering International	On Constrained Multicriteria-Based Planning for a Two-Parameter Exponential Distribution	Prajapat K.;Mitra S.;Kundu D.	42	2026	Nov-23
835	Annales Mathematiques Du Quebec	2-Selmer companion modular forms	Abhishek ;Jha S.;Shekhar S.	49	2025	557-577
836	Journal of Scientific Computing	A Modified FC-Gram Approximation Algorithm with Provable Error Bounds	Nainwal P.;Anand A.	105	2025	
837	International Journal of Number Theory	Sum of the G L (3) Fourier coefficients over mixed powers	Chanana H.;Singh S.K.	21	2025	531-577
838	Forum Mathematicum	Subconvex bound for $GL(3) \times GL(2)$ L -functions: $GL(3)$ -spectral aspect	Kumar S.;Malleshram K.;Singh S.K.	38	2026	361-393

839	Scandinavian Journal of Statistics	Optimal designs for testing pairwise differences: A graph-based game theoretic approach	Singh A.;Singh S.P.;Davidov O.	52	2025	533-571
840	Computational Statistics	Bayesian optimal design for 2×2 binary crossover trials using copula	Singh S.P.;Prajapati D.	40	2025	4875-4900
841	Journal of the London Mathematical Society	On the stable radical of the module category for special biserial algebras	Srivastava S.;Sinha V.;Kuber A.	112	2025	
842	Ramanujan Journal	-3-Selmer groups, ideal class groups and large 3-Selmer ranks	Jha S.;Majumdar D.;Shingavekar P.	68	2025	
843	Discrete and Continuous Dynamical Systems Series B	EFFECTS OF SPATIOTEMPORAL, TEMPORAL AND SPATIAL NONLOCAL PREY COMPETITIONS ON POPULATION DISTRIBUTIONS FOR A PREY-PREDATOR SYSTEM WITH GENERALIST PREDATION	Manna K.;Pal S.;Banerjee M.	31	2026	166-197
844	Journal of the Royal Statistical Society Series A: Statistics in Society	Modern Data Visualization with R	Shalabh		2025	
845	Journal of Agricultural, Biological and Environmental Statistics	Approximate Bayesian Inference for High-Resolution Spatial Disaggregation Using Alternative Data Sources	Anis Pakrashi; Arnab Hazra; Sooraj M. Raveendran; Krishnachandran Balakrishnan		2025	
846	Modeling Earth Systems and Environment	Numerical analysis of the prey–predator model with Bernoulli wavelet and Adams–Bashforth schemes	Kumar A.;Bahuguna D.	11	2025	
847	Journal of Mathematical Biology	Global bifurcation dynamics in an SIRS model with nonlinear incidence and double exposure	Xu Y.;Yang Y.;Banerjee M.;Rong L.	91	2025	

848	Mathematische Zeitschrift	Iwasawa theory of fine Selmer groups over global fields	Ghosh S.;Jha S.;Shekhar S.	311	2025	
849	Statistics and Computing	On Semi-Parametric Progressive Censoring	Prajapati D.;Kundu D.	35	2025	
850	Sankhya A	Robust Spectral Analysis of Sinusoidal Signal in Heavy Tail Impulsive Noise Environment	Kundu D.	88	2026	160-191
851	Proceedings of the American Mathematical Society	BINARY CUBIC FORMS AND RATIONAL CUBE SUM PROBLEM	Jha S.;Majumdar D.;Sury B.	153	2025	4657-4668
852	Journal of Mathematical Biology	Intermittent releases: a modelling approach for sterile insect technique in mosquito	Bhattacharyya J.;Banerjee M.;Banerjee S.	91	2025	
853	Geometriae Dedicata	Systolic embedding of graphs on translation surfaces	Dey A.;Sanki B.	219	2025	
854	Studies in Applied Mathematics	A Hyperbolic Approximation of the Nonlinear Schrödinger Equation	Biswas A.;Busaleh L.S.;Ketcheson D.I.;Muñoz-Moncayo C.;Rajvanshi M.	155	2025	
855	Chaos Solitons and Fractals	Exploring the structural sensitivity in some spatially-explicit models of ecological dynamics	Manna K.;Banerjee M.;Petrovskii S.	204	2026	
856	International Journal of Approximate Reasoning	New paraconsistent modal logics based on rough modus ponens rules and their interrelations	Saha B.;Banerjee M.;Dutta S.	189	2026	
857	Algebras and Representation Theory	Automating the Stable Rank Computation for Special Biserial Algebras	Srivastava S.;Kuber A.	29	2026	Jan-20
858	Statistical Papers	A semiparametric generalized exponential regression model with a principled distance-based prior	Arijit Dey; Arnab Hazra		2025	

859	Journal of Differential Equations	Fractional Caffarelli-Kohn-Nirenberg type inequalities on the Heisenberg group	Rawat R.;Roy H.;Roy P.	457	2026	
860	Journal of Pure and Applied Algebra	On tensor products of representations of Lie superalgebras	Das A.;Pattanayak S.	229	2025	
861	Journal of Statistical Theory and Practice	Discriminating between Bivariate Weibull and Bivariate Log-Normal distribution under Type-I censoring	Rajput O.;Kundu D.;Mitra S.	20	2026	
862	Scandinavian Journal of Statistics	Estimating Monte Carlo variance from multiple Markov chains	Gupta K.;Vats D.	53	2026	335-363
863	Nonlinear Differential Equations and Applications	Asymptotic Issues for Fractional Laplacian on Long Cylinders	Boudjeriou T.;Roy P.	33	2026	
864	Journal of Pure and Applied Algebra	Weyl modules for twisted toroidal Lie algebras	Pandey R.K.;Sharma S.S.	229	2025	
865	International Journal of Mathematics	Higher reflections and entropy of canonical shifts for inclusions of C^* -algebras with finite Watatani index	Bakshi K.C.;Guin S.;Pal B.;Sruthymurali	37	2026	
866	Potential Analysis	Stochastic PDEs Involving a Bilaplacian Operator	Bhar S.;Sarkar B.	64	2026	
867	Statistics in Medicine	Two-Stage Drop-the-Losers Design for the Selection of Effective Treatments and Estimating Their Average Worth	Katariya Y.;Misra N.	44	2025	
868	Mathematics	An Age-Distributed Immuno-Epidemiological Model with Information-Based Vaccination Decision	Ghosh S.;Banerjee M.;Volpert V.	14	2026	
869	Japanese Journal of Statistics and Data Science	A Bayesian latent Gaussian conditional autoregressive copula model for analyzing spatially-varying trends in rainfall	Sayan Bhowmik; Arnab Hazra		2026	

870	Statistical Papers	Estimation of functions of scale parameters for two gamma populations and applications to classification	Jana N.;Kumar S.;Misra N.;Vellaisamy P.	67	2026	
871	Theory and Applications of Categories	EXTENSION, DEFORMATION AND CATEGORIFICATION OF ASSDER PAIRS	Das A.;Mandal A.	45	2026	Jan-32
872	Calculus of Variations and Partial Differential Equations	Fractional Hardy inequality with singularity on submanifold	Adimurthi ;Roy P.;Sahu V.	65	2026	
873	Journal of Pure and Applied Algebra	On certain root number 1 cases of the cube sum problem	Das S.;Jha S.	230	2026	
874	Journal of Geometric Analysis	Geometry of Horospheres in Kobayashi Hyperbolic Domains	Chandel V.S.;Mandal N.	36	2026	
875	Sankhya A	Discriminating between Bivariate Birnbaum Saunders and Bivariate Log-Normal Distributions	Rajput O.;Kundu D.;Mitra S.	88	2026	224-251
876	Journal of Statistical Computation and Simulation	Divergence-based robust inference for the Marshall-Olkin bivariate exponential distribution	Kumar S.;Kundu D.;Mitra S.		2026	
877	Test	Estimation of a flexible tampered failure rate model under stage life testing	Bhattacharyya D.;Kundu D.		2026	
878	International Journal of Mathematics	The metric compactification of a Kobayashi hyperbolic complex manifold and a Denjoy-Wolff theorem	Chandel V.S.;Mandal N.	37	2026	
879	Statistics in Medicine	A Model Based on Mixture of Weibull Distributions for Depending Competing Risks Data in the Presence of Long-Term Survivors, and Its Application to Malignant Melanoma Cancer Data	Ganguly A.;Sultana F.;Kundu D.;Pal A.	45	2026	

880	Studia Math.	Wold-type decomposition for left-invertible weighted shifts on a rootless directed tree	Chavan S.; Trivedi S.	287	2026	205-226
881	Mathematical Methods in the Applied Sciences	An Effective Computational Technique for Solving Nonlinear Boundary Value Problems Arising in Various Physical Phenomena	Tomar S.;Anand A.;Kumar Verma A.		2026	
882	Annals of Statistics	SOLVING THE POISSON EQUATION USING COUPLED MARKOV CHAINS	Douc R.;Jacob P.E.;Lee A.;Vats D.	54	2026	201-225
883	Circuits Systems and Signal Processing	Two Dimensional Chirp Like Model	Kundu D.		2026	
884	Zeitschrift Fur Angewandte Mathematik Und Physik	A new finite-volume complete flux scheme for magneto-hydrodynamic flows	Pandey C.;Kumar B.V.R.	77	2026	
885	European Journal of Mechanics B Fluids	A complete flux scheme for Boussinesq model with applications to convection problems	Pandey C.;Kumar B.V.R.;Boonkkamp J.H.M.t.T.	114	2025	
886	International Journal of Numerical Methods for Heat and Fluid Flow	FEA of entropy generation due to free convection of hybrid-nanofluid in a partially heated tilted porous enclosure with wavy wall	Barman P.;Kumar B.V.R.	35	2025	3029-3052
887	Computers and Mathematics with Applications	A discontinuity-capturing PINN for parabolic interface problems	Kumar R.;Kumar B.V.R.	195	2025	93-108
888	Computational and Applied Mathematics	An unstructured finite volume method for thermally-coupled navier-stokes equations	Pandey C.;Kumar B.V.R.	44	2025	
889	Multimedia Tools and Applications	A fractional image inpainting model using a variant of Mumford-Shah model	Halim A.;Rohim A.;Kumar B.V.R.;Saha R.	84	2025	37975-37996

890	Physics of Fluids	Pulsatile flow dynamics in an artery with multiple pathologies: A fluid-structure interaction study	Soni P.;Bhattacharyya A.;Usmani A.Y.;Rai S.K.;Kumar B.V.R.	37	2025	
891	Complex Anal. Oper. Theory	Helson Matrices Induced by Measures	Chavan S., Sahu C. K., Sinha K. B.	20	2026	24 pp.

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892	Current Materials Science	Antibacterial Activity of Ag-graphene Nanocomposites against Gram-positive and Gram-negative Bacteria	Kala A.;Verma R.;Meenu M.;Gambhir L.;Kar K.K.;Chamoli P.	19	2026	218-231
893	Proceedings of the Institution of Mechanical Engineers Part E Journal of Process Mechanical Engineering	A study of surface fatigue wear and influence of contaminated lubricant in journal bearing system using tribological and vibration analyses	Sateesh Kumar P.;Amarnath M.;Kamarapu S.K.;Varatharajan G.;Chelladurai H.;Vardhaman B.A.;Ramkumar J.	239	2025	3622-3636
894	Journal of Materials Engineering and Performance	Enhanced Mechanical, Thermal and Electrical Properties of Additively Manufactured Polylactic Acid/Carbon Nanotube Polymer Nanocomposites	Bharti B.M.;Sinha N.	34	2025	16543-16556
895	International Journal of Intelligent Robotics and Applications	Motion planning of a biped robot on uneven terrain scattered with obstacles by searching optimal location of via points	Kumar J.;Dutta A.	9	2025	654-672
896	International Journal of Solids and Structures	Equilibrium of a circular von-Kármán plate bonded with a spatial Kirchhoff rod	Das D.;Sharma B.L.	326	2026	
897	Journal of Sound and Vibration	Ensuring supercritical Hopf bifurcation in tool chatter using a nonresonant limit cycle absorber	Tandel D.D.;Wahi P.;Chatterjee A.	604	2025	

898	Journal of Sound and Vibration	Planar string vibrations in the presence of smooth curved boundary obstacles at both ends	Sharma A.;Wahi P.	608	2025	
899	Methodsx	A dereverberation beamforming algorithm for noise source localization in anechoic and semi-reverberant environments	Singh R.;Mimani A.;Kumar R.	14	2025	
900	Journal of Energy Storage	Thermal characterization of 18650 lithium iron phosphate cell for wide ranges of temperature and discharge rate to identify most efficient operating window	Chauhan V.K.;Sahu M.;Bhattacharya J.	119	2025	
901	Hardwarex	Autonomous water sampling and quality monitoring in remote locations: A novel approach using a remote-controlled boat	Shukla A.;Ross R.;Bhattacharya B.;Stumpf A.	22	2025	
902	International Journal for Numerical Methods in Engineering	Normalized Field Product Approach: A Parameter-Free Density Evaluation Method for Close-To-Binary Solutions in Topology Optimization With Embedded Length Scale	Singh N.;Kumar P.;Saxena A.	126	2025	
903	Robotica	Task priority-based redundancy resolution of a 20 DoFs humanoid robot for object pick and place with minimum energy and dynamic balance	Sorokhaibam J.;Dutta A.	43	2025	1394-1410
904	Wave Motion	A waveguide finite element model with geometric nonlinearity and orthotropy to analyse broadband vibrations in a reinforced radial tyre	Londhe M.;Oorath R.;Patel C.;Tiwari N.	137	2025	

905	Journal of Materials Engineering and Performance	Microstructural Tailoring for Enhanced Wear Resistance and Improved Mechanical Properties in High-Carbon Rail Steel	Rajput A.;Verma G.;Harsha A.P.;Ramkumar J.;Mondal K.;Vishwanath K.	34	2025	30183-30201
906	ACS Es and T Water	A Novel Method for Maintaining Low and Constant Salinity in Ice during Desalination of Binary Mixtures Using Directional Top-Cooling Solidification	Kumar N.C.;Sarawagi R.;Kumar V.	5	2025	2283-2290
907	Journal of Fluid Mechanics	Dynamics and 3-D instability of flow induced by the dielectric-barrier-discharge plasma actuator in an initially quiescent medium	Mishra B.K.;Panigrahi P.K.	1008	2025	
908	Journal of Fluid Mechanics	Evolution of the rotating Rayleigh-Taylor instability under the influence of magnetic fields	Singh N.;Pal A.	1009	2025	
909	International Communications in Heat and Mass Transfer	A Semi-analytical approach to estimate sidewall thermal conductance for turbulent Rayleigh–Bénard convection with uninsulated sidewalls	Bhadwal A.;Alam P.;Kumar G.;Madanan U.	165	2025	
910	Polymer Composites	Carbon nanotube grafting for better electromagnetic shielding with carbon fiber/epoxy composites	Gupta H.;Agnihotri P.K.;Basu S.;Gupta N.	46	2025	S856-S866
911	Proceedings of the Royal Society A Mathematical Physical and Engineering Sciences	Analysis of coherent structures in plane and ribbed channel flows: Insights from proper orthogonal decomposition	Kushwaha R.;Sarkar S.;Saha P.;Biswas G.	481	2025	
912	Separation and Purification Technology	Analysis of a multi-stage nanophotonics-enabled solar membrane desalination system aided by parabolic trough concentrator	Shakya P.K.;Bhattacharya J.	373	2025	

913	Journal of Alloys and Compounds	Effect of permanent magnetic field positioning on microstructure and mechanical properties of casted Al-Cu alloy	Pradhan R.K.;Arya P.K.;Kashyap P.;Maurya S.;Kumar V.	1031	2025	
914	Korean Journal of Chemical Engineering	Exploring the Synergistic Effects of Fe ³⁺ and Cu ²⁺ Co-Doping in Hydrothermally Synthesized NiO Nanoparticles for Enhanced Supercapacitor Performance	Upadhyay L.;Dhanapandian S.;Suthakaran S.;Bhoomika Yadav ;Kar K.K.;Dixit A.;Kumar D.;Sundaramurthy S.;Ayyar M.	42	2025	2253-2273
915	Physics of Fluids	Drop spreading characteristics over a micro-pillared surface and comparison with an equivalent flat surface	Ramgopal C.;Muralidhar K.;Kumar V.	37	2025	
916	Energy and Fuels	Hydrate-Based CH ₄ Storage at Moderate Temperatures: Can Metal Packings Enhance Hydrate Kinetics under Saline Conditions?	Ravesh R.;Ansari A.A.;Panigrahi P.K.;Das M.K.	39	2025	11398-11412
917	Journal of Materials Science	Incorporating industrial waste in polyester resin hybrid composites: flexural, thermal, and viscoelastic studies	Naqvi S.Z.;Ramkumar J.;Kar K.K.	60	2025	9582-9601
918	International Journal of Thermal Sciences	Transport phenomena during solidification and melting of water: Experimental and numerical studies	Sarawagi R.;Singh A.K.;Kumar V.	218	2025	
919	Polymer Composites	Electromagnetic Shielding With CFRP Composites: Conducting Matrix Versus Conducting Fibers	Srivastava M.K.;Gupta H.;Gupta N.;Agnihotri P.K.;Basu S.	46	2025	17029-17040

920	International Journal of Multiphase Flow	An experimental investigation on mechanisms of sheet disintegration into droplets for aqueous polymer gels	Kurumanghat V.;Saurabh A.;Kabiraj L.	191	2025	
921	Journal of Manufacturing Processes	Characterization and wear performance of advanced AlTiSiN-based coated cutting tools in dry machining of Ti-6Al-4V alloy	Sharma P.;Mishra S.K.;Ramkumar J.	150	2025	485-500
922	Journal of Energy Storage	Reduced-order multicycle electrochemical modelling of lithium-sulphur batteries with shuttle effect and capacity degradation	Prasad C.;Sarkar A.	132	2025	
923	Journal of the Electrochemical Society	Modeling Multi-Cycle Degradation Evolution in Lithium-Ion Batteries Under Extreme CC-CV Charging and Operating Temperatures	Tomar I.;Sarkar A.	172	2025	
924	Journal of Physics D Applied Physics	Effect of over and undercharging on intercalation induced stress in lithium nickel-manganese-cobalt electrode	Tomar I.;Sarkar A.	58	2025	
925	Journal of Materials Engineering and Performance	Performance Comparison of Wire-Electrochemical Machining and Wire-Electrical Discharge Machining for the Processing of Stainless Steel-304	Sagathiya N.;Singh M.;Sharma V.;Ramkumar J.	34	2025	27332-27349
926	Experiments in Fluids	Planar laser-based measurements of droplet size, volume fraction, and velocity in flow-blurring sprays	Soni S.K.;Gupta A.K.;Yadav K.;Mishra Y.N.;De S.	66	2025	

927	Journal of Mechanisms and Robotics	3D Capsule Compliant Gripper Based on Shape Optimization for Surgical Manipulation: Enhancing Precision in Lymph Node Isolation	Llanos E.H.;Choi M.J.;Sauer R.A.;Corves B.;Huesing M.;Klinkel S.;Saxena A.	17	2025	
928	Journal of Mechanisms and Robotics	Case Study and Preliminary Validation of a Parametric, Three-Dimensional Printable Tendon-Driven Biomimetic Hand Exoskeleton	Khatik V.;Corves B.;Saxena A.	17	2025	
929	Physics of Fluids	Evolution of the elliptical synthetic jet at low aspect ratio and formation length	Sharma K.R.;Singh M.;Gupta J.;Saha A.K.	37	2025	
930	Physics of Fluids	Stability analysis of axially moving pipes with internal fluid flow	Giria H.;Sharma I.;Gupta S.S.	37	2025	
931	International Journal of Dynamics and Control	Design, development, and control of a 2PRU-1PRS stabilized platform	Mishra A.;Ghosh P.;Tiwari N.	13	2025	
932	Journal of Polymer Research	Development of graphene oxide/polyvinyl pyrrolidone/poly(vinyl alcohol) composite hydrogels with improved mechanical and swelling properties for breast elastography phantom fabrication	Sahu A.;Sinha N.	32	2025	
933	Journal of Environmental Chemical Engineering	Adsorptive removal of norfloxacin from water using polyvinylidene fluoride-boron nitride nanosheet mixed matrix membranes: Insights from experiments and molecular dynamics simulation	Awasthi P.;Yadav A.;Sinha N.	13	2025	

934	International Journal on Interactive Design and Manufacturing	Biomedical Ultrasound Imaging Material Selection using IT-TOPSIS and Extended-VIKOR Techniques	Sahu A.;Sinha N.	20	2026	247-264
935	Diamond and Related Materials	Human hair-derived carbon for flexible, lightweight EMI shielding composites	Gangwar S.;Kar K.K.;Akhtar M.J.	157	2025	
936	Energy	Developing an accurate correlation for estimating heat generation rate by an 18650 lithium iron phosphate cell through a machine learning model trained on experimental measurements	Chauhan V.K.;Bhattacharya J.	334	2025	
937	International Journal of Impact Engineering	High-fidelity prediction of low-velocity impact damage in straight and variable angle fibre laminates with a semi-discrete continuum damage mechanics approach	Kumar M.;Mukhopadhyay S.	206	2025	
938	Composite Structures	A kinematically enriched two-scale constitutive law for modelling fibre kinking driven compressive failure in composites	Chaudhary A.;Mukhopadhyay S.	371	2025	
939	Physics of Fluids	Insights of flow transition over converging-diverging riblets using large-eddy simulation	Jain I.;Sarkar S.	37	2025	
940	International Journal of Heat and Mass Transfer	A high performance aqueous surfactant solution for enhanced electrospray cooling	Ranjan A.;Kumar R.;Panigrahi P.K.	251	2025	
941	Journal of Vibration Engineering and Technologies	Small In-Plane Oscillations of a Slack Catenary Using Assumed Modes	Goswami B.;Chakraborty I.;Chatterjee A.	13	2025	

942	Engineering Structures	Vibration attenuation in tapered metabeams: Influence of conicity and lattice arrangement on elastic wave dispersion	Sahana S.;Singh A.;Dwivedi A.;Bhattacharya B.	342	2025	
943	Journal of Mechanisms and Robotics	Dynamic Manipulability for a Two-Link Manipulator Driven By Pneumatic Artificial Muscles and Passive Springs	Maurya S.;Dutta A.	17	2025	
944	Experimental Techniques	Improving the Efficiency of Single Lap Riveted Joints in the Carbon Nanofiller Reinforced Laminated Polymer Composites	Kumar K.;Verma R.K.;Ramkumar J.;Jayswal S.C.	49	2025	279-297
945	Polymer Engineering and Science	Understanding Structure–Property Correlations in EP(D)M Through Molecular Dynamics Simulations	Patel P.K.;Rohilla T.;Basu S.	65	2025	5779-5795
946	Journal of Thermal Science and Engineering Applications	Characteristics of Flow and Heat Transfer in Stationary Two-Pass Square Duct With Continuous and Broken V-Shaped Ribs	Erelli R.;Saha A.K.	17	2025	
947	Acoustics Australia	A Hybrid Computational Flow-Induced Noise and Phase-Conjugation Techniques for Low Reynolds Numbers	Kumar S.;Mimani A.;Kumar S.;Bhumkar Y.G.	53	2025	341-367
948	Journal of Alloys and Compounds	Microstructure and enhanced high-temperature wear properties of TiC reinforced Co-Cr-W metal matrix composite (MMC) coatings fabricated by laser cladding	Tiwari V.;Kumar A.;Sarkar M.;Ramkumar J.;Gupta M.;Mondal K.;Jain J.;Singh M.K.;Singh S.S.	1040	2025	
949	Nonlinear Dynamics	Numerics-aided model order reduction for a particle on a horizontally driven frictional	Manthana D.V.;Vyasarayani C.P.;Chatterjee A.	113	2025	33447-33467

950	Physics of Fluids	Controlling and regulating droplet impact dynamics on a heated surface via electrowetting	Ahmad I.;Saha A.K.	37	2025	
951	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Role of bone marrow in mitigating the critical stresses in human tibia–fibula system during dynamic loading	Tiwari A.;Wahi P.;Sinha N.	47	2025	
952	Lab on A Chip	Inexpensive method for the quantitative estimation of hepatitis C virus RNA in blood plasma for low-resource settings using ML-based image intensity analysis of RT-LAMP products	Saha R.;Manoharan K.;Samal J.;Choudhury S.S.;Katiyar N.;Gupta E.;Bhattacharya S.	25	2025	4702-4716
953	Solar Energy	HeFAAL: A tool to design, analyze and optimize a solar heliostat field layout on a flat as well as uneven terrain	Raj M.;Bhattacharya J.	301	2025	
954	Thermal Science and Engineering Progress	Characterization of paraffin wax-based nano-enhanced phase change materials with Al ₂ O ₃ , CuO and Cu nanoparticles and their performance comparison for heat storage application	Sachan D.;Bhattacharya J.	66	2025	
955	Physics of Fluids	Anisotropic energy transfers and vertical layering in stably stratified turbulence	Alam S.;Verma M.K.;Joshi P.	37	2025	
956	Journal of Energy Storage	A novel hybrid pressure driven ionic wind-based battery thermal management system	Kumar R.;Panigrahi P.K.	135	2025	
957	Heat and Mass Transfer Waerme Und Stoffuebertragung	Transport phenomena during saline water solidification under top-cooling configuration for desalination purpose	Kumar N.C.;Patel D.H.;Kumar V.	61	2025	

958	Materials Science and Engineering A	A high-throughput approach to decipher the dynamic deformation behaviour of metallic materials	Yadav A.K.;Parameswaran V.;Gurao N.P.	945	2025	
959	Journal of the Electrochemical Society	Thermo-Mechanical Modeling of Electrolyte Evaporation Under Compressive Load and Preventive Charging Protocol in Lithium Batteries	Mundel A.;Sarkar A.	172	2025	
960	Journal of the Mechanical Behavior of Biomedical Materials	Uniform and multi-morphology graded TPMS structures: Design strategies, 3D printing and mechanical properties	Kumar R.;Ramkumar J.;Balani K.	173	2026	
961	Engineering Research Express	Development of an optimized stair-climbing mechanism using parametric curved wheels inspired by human foot strides on flat stairs	Verma A.;Shrivastava S.;Ramkumar J.	7	2025	
962	Journal of the Electrochemical Society	A Study on Sequential Electrochemical Turning and Milling Operations for Surface Texturing on Thin-Walled Metallic Tubes	Sagathiya N.;Sharma V.;Ramkumar J.	172	2025	
963	Physics of Fluids	Successive solidification and melting of binary salt-water system: Convection and double-diffusive layer formation	Sarawagi R.;Kumar V.	37	2025	
964	Ceramics International	Damage mechanisms and wear progression of advanced AlTiSiN coatings deposited on WC/Co cemented carbide cutting tools for machining under cryogenic conditions	Sharma P.;Mishra S.K.;Ramkumar J.	51	2025	54530-54548
965	Physics of Fluids	Near-wall turbulence and transitional behavior on the rib-roughened surfaces	Kushwaha R.;Sarkar S.;Biswas G.	37	2025	

966	International Journal of Refractory Metals and Hard Materials	Powder bed fusion processing and tribological evaluation of Stellite 6 reinforced tungsten heavy alloys	Shakunt N.S.;Tiwari V.;Sarkar M.;Shiven P.;Jayabalan B.;Mukherjee S.;Ramkumar J.;Balani K.;Singh S.S.;Bhattacharyya M.	134	2026	
967	Desalination	Estimation of the upper limit of distillate flux through nanoparticle-coated hydrophobic membranes for a direct contact solar membrane desalination system	Shakya P.K.;Bhattacharya J.	618	2026	
968	Proceedings of the Institution of Mechanical Engineers Part C Journal of Mechanical Engineering Science	An experimental study of forming force and hardness of deformed sheet in induction heated incremental forming of AA6061 alloy	Bhushan B.;Kathirvelu S.K.;Ramkumar J.;Dixit U.S.	240	2026	104-121
969	International Journal of Solids and Structures	Planar nonlinear dynamics of a hanging geometrically exact beam with a moving mass	Kumar K.;Gupta S.S.	325	2026	
970	Journal of Vibration Engineering and Technologies	Membrane-Based Acoustic Metamaterial Enclosure for Broadband Low-Frequency Noise Attenuation: Application to Vacuum Pump Noise Control	Katiyar N.;Kumar R.;Mimani A.;Bhattacharya S.	13	2025	
971	International Journal of Fracture	Microstructural information from fracture profiles in brittle materials	Paul R.;Basu S.	249	2025	
972	Solar Energy	An algorithm for laying photovoltaic panels on an undulated hilly terrain	Raj M.;Yadav A.;Bhattacharya J.	303	2026	

973	Journal of Vibration Engineering and Technologies	Integration of two Absorbers to Damp Two Distinct Modes Responsible for Two Different Types of Chatter in Grooving with Slender Blades	Jhakar D.;Law M.	13	2025	
974	International Journal of Thermal Sciences	Thermal transport in porous media: Effect of grain size in Darcy-Bénard systems at high Rayleigh numbers	Alam P.;Madanan U.	220	2026	
975	Physics of Fluids	Boundary-layer transition over a biomimetic fish scale array under adverse pressure gradient	Kumar R.;Sarkar S.	37	2025	
976	Journal of Applied Mechanics	Experimental Study of Damping Enhancement in Aluminum Rods by Knurling	Bhattacharyya S.;Chatterjee A.	92	2025	
977	Journal of Materials Science	Ashby-like material property charts for Murnaghan's constants	Subudhi K.P.;Chandraprakash C.	60	2025	22712-22725
978	Carbon	Investigating the sliding behavior of graphene nanoribbons	Yadav G.;Mokhalingam A.;Sauer R.A.;Gupta S.S.	247	2026	
979	Russian mathematical surveys	On inverse source problem for piecewise constant case	Roman Novikov and Basant Lal Sharma		2025	
980	Soft Matter	Instabilities in colloidal crystals on fluid membranes	Dharmavaram S.;Sharma B.L.	21	2025	9372-9385
981	Applied Thermal Engineering	Enhanced vapor generation and salt mitigation in a solar evaporator using a Janus-type hybrid wick	Chatterjee D.;Kumar P.;Goel S.;Muralidhar K.;Madanan U.	284	2026	
982	Langmuir	Multicomponent Droplet Crystallization: Latent Heat Release and Bubble Formation	Kumar N.C.;Kumar V.	41	2025	34356-34369

983	Science of the Total Environment	Assessing the anaerobic biodegradability of PHB filament and its 3D printed sheets through biochemical methane potential (BMP) test	Jena A.;Thomas A.P.;Samal B.B.;Dubey B.K.;Kumar C.S.;Varshney S.K.	1008	2025	
984	Nonlinear Dynamics	Analytical investigation of modal interactions in a string vibrating in the presence of curved obstacles at both ends	Sharma A.;Wahi P.	114	2026	
985	Solid State Ionics	Resistance-based transmission-line model for O ₂ flux prediction in Gd _{0.1} Ce _{0.9} O ₂ - δ -SrFe _{0.9} Ti _{0.1} O ₃ - δ composite membranes	Chhatrodiya D.N.;Kumar S.;De S.;Omar S.	434	2026	
986	Applied Thermal Engineering	Effect of porosity distribution of metal matrix as heat transfer enhancer in phase change material-based heat storage system	Sachan D.;Bhattacharya J.	284	2026	
987	Langmuir	Computational Study of the Adhesion and Friction Behavior of Cross-Linked Polymer Networks	Kumar A.;Maurya M.K.;Singh M.K.	41	2025	32560-32568
988	IEEE Sensors Letters	Robust Viral RNA Sensing Using Nonnegative Matrix Factorization of Optical and Electrochemical Signals	Saha R.;Choudhury S.S.;Manoharan K.;Gupta E.;Bhattacharya S.	10	2026	
989	Journal of Advanced Manufacturing Systems	Temperature Stabilized Vibration-Based Condition Monitoring of Machine Tool Spindles	Mudhasir M.;Law M.		2026	
990	Smart Materials and Structures	Experimental analysis of cooling time reduction in SMA actuator through tuning of wire geometry and heat transfer process	Raushan Kumar; Ankur Dwivedi; Bishakh Bhattacharya		2026	

991	Journal of Electroanalytical Chemistry	Melanin-driven heteroatom incorporation in bird feather-derived activated carbon for high-performance supercapacitors	Verma K.D.;Kar K.K.	1003	2026	
992	ACS Applied Nano Materials	Hemocompatible, Cytocompatible, and Antibacterial Carbon Nanofiber Coatings on Ti6Al4V Alloy for Blood-Interfacing Medical Devices	Singh P.;Khare D.;Manohar M.;Jha S.K.;Siddiqui A.R.;Das S.;Sinha N.;Muralidhar K.;Balani K.	9	2026	2383-2395
993	Journal of Power Sources	Factors influencing slope and plateau capacities of hard carbon anodes: A mathematical modeling perspective	Gupta A.;Mukherjee D.	666	2026	
994	Journal of Sound and Vibration	Absence of trajectory paradox for a moving mass on a stretched Reissner-Simo geometrically exact beam	Kumar K.;Gupta S.S.	626	2026	
995	Microsystem Technologies	Experimental investigation of different channel geometries on nitrocellulose membranes for enhancing the mixing process	Rashiku M.;Vajpayee M.;Manoharan K.;Bhattacharya S.	32	2026	
996	Journal of the Mechanics and Physics of Solids	Micromechanical insights into the uniaxial stress-strain behaviour of glassy amorphous polymers through molecular dynamics simulations	Kumar Patel P.;Basu S.	208	2026	
997	Proceedings of the Institution of Mechanical Engineers Part C Journal of Mechanical Engineering Science	Contact force estimation for a single leg test setup with compliance in MuJoCo	Joseph R.;Dutta A.	240	2026	1569-1588

998	Journal of Energy Storage	High-performance self-charging zinc-ion battery enabled by synergistic coupling of efficient ion transport and oxygen reduction	Sarma Choudhury S.;Saha R.;Sarkar A.;Bhattacharya S.	152	2026	
999	Biomass Conversion and Biorefinery	Simple physical activation of chicken feather-derived carbon-CuO nanocomposites for symmetrical supercapacitor electrode	Gairola V.;Negi A.;Sati S.;Rawat B.;Kar K.K.;Chamoli P.	16	2026	
1000	Surfaces and Interfaces	Dropwise condensation on fused deposition modeling fabricated copper-infused heat-treatable polylactic acid substrates	Kulshrestha T.;Abbey B.;Das M.K.;Muralidhar K.;Kong I.	84	2026	
1001	Cold Regions Science and Technology	Effect of volume fraction and morphology of particles on the dynamic compressive strength of ice-silica particle mixtures	Pandey S.;Sharma I.;Parameswaran V.	241	2026	
1002	International Journal of Human Computer Interaction	Concept Design for a Hindi Language Phonetic Keyboard: Challenges and Future Implications	Tiwari N.;Kant V.;Rawat A.;Rehdu G.		2026	
1003	Journal of Engineering Design	Supporting the informational dimension of sociotechnical resilience by enabling inspection practices through HMI design: case study of substation inspection robots	Kant V.;Bhattacharjee A.;Katti V.;Bhattacharya B.		2026	
1004	Surface Engineering	Influence of nanosecond laser-induced features on Ti6Al4V for bio-tribology applications	Ilamparithi J.;Mishra S.K.	42	2026	242-257
1005	JOM	Grain Refinement and Corrosion Behavior of Solid-State Additive Manufacturing of AA6063 Al Alloy Composite	Arya P.K.;Kumar V.;Jain N.K.;Sathiaraj D.;Cavaliere P.;Sadeghi B.		2026	

1006	Mathematics and Mechanics of Solids	Semi-analytical MAC/GMC versus RUC-based finite element homogenization: A comparative study for a 4D composite	Dhakde R.;Kumar D.;Gupta S.S.		2026	
1007	Disability and Rehabilitation Assistive Technology	Design and development of a hybrid device to assist frail users in mobility, transfer and rehabilitation	Kumar R.;Ramkumar J.;Gurjar M.;Rai S.		2026	

Materials Science and Engineering

1008	Steel Research International	Numerical Modeling of Melt Flow and Mixing in an Inductively Stirred Ladle and Comparison with Gas and Mechanical Stirring	Avatar K.;Mazumdar D.	96	2025	
1009	Journal of Materials Engineering and Performance	A Novel Low Temperature Synthesis of Pure LaB ₆ Powder by Solid-State Reduction Reactions Involving La ₂ O ₃ and B ₂ O ₃	Virigineni M.K.;Kancharla H.;Murty S.V.S.N.;Mukherjee S.;Mondal K.	34	2025	12039-12047
1010	Journal of Materials Engineering and Performance	Fractal Characterization of the Fracture Surface of Untempered and Tempered Bainitic Modified 9Cr-1Mo Steel	Kumar S.;Mondal K.;Sangal S.	34	2025	11128-11136
1011	Journal of Materials Engineering and Performance	Atmospheric Corrosion Behavior of Mild Steel with Different Cooling Modes After Austenitization	Vishwanath K.;Singh S.S.;Mondal K.	34	2025	17028-17040
1012	Journal of Materials Engineering and Performance	Assessment of Hydrogen Trapped by Microalloyed Precipitates in Steel Using Electrochemical Permeation Tests	Samanta S.;Mondal K.;Dutta M.;Singh S.B.	34	2025	18934-18945
1013	Ceramics International	Intermediate and final stage sintering kinetics of spark plasma sintered hafnium diboride	Dubey S.;Shiven P.;Balani K.	51	2025	15475-15482

1014	Ceramics International	Effect of w(CaO)/w(Al ₂ O ₃) ratio on crystallization kinetics of non-reactive CaO-Al ₂ O ₃ based mold fluxes for continuous casting of 3rd generation AHSS	Nigam A.;Biswas K.;Sarkar R.	51	2025	15497-15511
1015	Emergent Materials	Investigations into mechanical and corrosion behavior of Ti6Al4V scaffolds prepared using space holder technique	Bhanj T.K.;Ganguly S.;Mathew A.M.;Pattanayak D.K.;Debata M.;Sahoo T.K.;Kumar N.;Das S.R.;Chawake N.;Panigrahi A.	8	2025	3207-3222
1016	International Journal of Biological Macromolecules	Advanced alginate/58S bioactive glass inks with enhanced printability, mechanical strength, and cytocompatibility for soft tissue engineering	Singh I.;Rao S.T.R.B.;Irving H.R.;Balani K.;Kong I.	305	2025	
1017	Calphad Computer Coupling of Phase Diagrams and Thermochemistry	High throughput determination of diffusion coefficients and hardness using diffusion couple technique of γ -phase Fe-Ni-Cu alloys at 1000 °C	Nayak S.K.;Kulkarni K.N.	89	2025	
1018	Metallurgical and Materials Transactions A Physical Metallurgy and Materials Science	Mapping Dynamic Restoration Mechanisms and Flow Instability in 12Cr–10Ni Maraging Steel: Microstructural Insights from EBSD, TEM, and XRD-Line Profile Analysis	Setia P.;Singh S.S.;Rawat P.;Tripathi N.;Mukherjee S.;Kumar M.;Venkateswaran T.;Shekhar S.	56	2025	1585-1604

1019	Ceramics International	Advanced 3D-printed antibacterial nano 58S bioglass/AgNPs/CeO ₂ -based scaffolds for bone tissue engineering	Singh I.;Kong I.;Viswakarma A.;Balani K.	51	2025	20939-20953
1020	Materials Letters	Interrupted metal deposition wire arc additive manufacturing to fabricate objects with trailered microstructures	Singh C.P.;Tiwari V.;Kumar A.;Kapil S.;Singh S.S.;Rajput A.S.	389	2025	
1021	Materials Chemistry and Physics	Corrosion mechanism of line pipe steels (API X70 and X80 grades) under aggressive salt-spray exposure	Chinara M.;Ghosh R.;Mukherjee S.;Mondal K.	339	2025	
1022	Small	Enhanced Thermoelectric Performance in Earth-Abundant Bi ₂ S ₃ by Band Structure Modification Using CuCl Doping	Anjum F.;Bhattacharjee D.;Bhattacharya A.;Maiti T.	21	2025	
1023	Journal of Molecular Structure	Improved antibacterial and anticancer activities of 4-amino-N-pyridin-2-ylbenzenesulfonamide via nickel coordination: Synthesis, characterization, and biological evaluation	Socha B.N.;Palan R.B.;Patel U.H.;Bhatt B.S.;Thakor P.;Thakkar A.B.;Valand J.;Raj A.;Jha S.K.	1336	2025	
1024	Journal of Materials Science	Unsupervised Graph-GAN model for stress–strain field prediction in a composite	Sahu R.;Gupta A.;Mittal D.;Chatterjee P.;Jha S.K.	60	2025	5795-5814
1025	International Journal of Refractory Metals and Hard Materials	Enhanced low-temperature sintering of Mo alloys with Cu-rich binders	Ranot H.;Upadhyaya A.	130	2025	
1026	Journal of Physical Chemistry C	Evolution of Atomistic Boron Clusters on Borophene Monolayers on Au(111)	Rajput U.;Akhtar M.F.;Vyas G.;Bhowmick S.;Kumar P.;Deshpande A.	129	2025	7485-7492

1027	ACS Applied Materials and Interfaces	AlMnPdPtAu Quasicrystal Modulated Carbon Nanotubes for H ₂ Sensors: Experimental and DFT Computational Analysis	Kumar S.;Chakraborty A.;Quispe J.R.G.;Mitra R.;Barala S.;Autreto P.A.D.S.;Tiwary C.S.;Biswas K.;Kumar M.	17	2025	21670-21681
1028	Metallurgical and Materials Transactions B	Effect of Natural Convection on Formation and Melting of Shell Around Low Melting Point Additives	Arya, Abhishek and Singh, Amarendra		2025	
1029	steel research international	Modeling of Arcing, Scrap Melting, and Temperature Evolution in the Refractory of a Lab-Scale Direct Current-Electric Arc Furnace	Nath, Dinesh and Maji, Sumanta and Singh, Amarendra K.	96	2025	2300696
1030	Journal of Materials Engineering and Performance	Exploring the Influence of Rolling Conditions on the Texture and Mechanical Properties of Sintered Fe ₃₆ Ni Alloy	Sahni S.K.;Upadhyaya A.;Bhowmick S.	34	2025	25714-25727
1031	Inorganic Chemistry	Titanium-Doped BaZrS ₃ Chalcogenide Perovskite for Photovoltaic Applications: Structural, Optical, and Electrical Properties	Musa A.;Katiyar M.	64	2025	8492-8502
1032	International Journal of Hydrogen Energy	Calcium–nickel based metal hydrides for the solid-state air conditioning	Gupta A.;Faisal M.;Balani K.;Subramaniam A.	132	2025	87-93
1033	Journal of Manufacturing Processes	Computer vision-assisted dispersion stability of hydroxyapatite ceramic slurries	Gupta A.;Sahu R.L.;Nag A.;Balani K.;Jha S.K.	145	2025	482-493

1034	Journal of Materials Science	Micro-mechanisms of shear deformation during high-pressure torsion of equiatomic FeMnNi medium entropy alloy	Jha S.R.;Gurao N.P.;Biswas K.	60	2025	6688-6714
1035	Materials Transactions	Elucidating the Fracture Toughness of Additively Manufactured and Thermo-Mechanically Treated Ti6Al4V	Sahu V.K.;Chandrakar S.;Jha S.;Gurao N.P.	66	2025	532-541
1036	Metallurgical and Materials Transactions A Physical Metallurgy and Materials Science	Innovative Constant Radius Cross-Route Process for Enhancing Mechanical Properties of Copper Sheets	Tripathi N.;Setia P.;Raja N.;Mondal K.;Shekhar S.	56	2025	2396-2417
1037	Journal of the European Ceramic Society	Microstructure and interfacial stability of diffusion bonded HfB ₂ -SiC and ZrB ₂ -SiC based composites	Bajpai S.;Singh K.P.;Setia P.;Venkateswaran T.;Balani K.	45	2025	
1038	Metallurgical and Materials Transactions B Process Metallurgy and Materials Processing Science	Multi-scale Perspectives on Physical and Computational Estimates of Turbulent Flow in Gas-Stirred Ladles	Mishra R.;Mazumdar D.	56	2025	3249-3263
1039	Results in Surfaces and Interfaces	High entropy spinel oxide for natural sunlight-driven photocatalytic degradation of methylene blue: a sustainable water remediation process	Sur S.;Vekariya N.;Jha S.K.;Vand J.	19	2025	
1040	Materials Science and Engineering A	Effect of Er addition on recrystallization, texture, and mechanical properties in a binary Mg-Er alloy	Rajanna R.;Kapoor I.;Tiwari V.;Lee S.Y.;Singh S.S.;Jain J.	939	2025	
1041	JOM	Creep Deformation of a Composite of Dual-Phase Medium Entropy Alloys	Kumar A.;Kumar S.;Kumari J.;Kumari S.;Kumar D.;Chawake N.	77	2025	5600-5608

1042	Journal of Alloys and Compounds	Thermoelectric study of A-site populated (Ca _{0.2} Bi _{0.2} Sr _{0.2} La _{0.2} Pr _{0.2})MnO ₃ high entropy manganate	Kumar V.;Banerjee R.;Mukherjee S.;Mondal P.;Ganguly A.;Maiti T.	1032	2025	
1043	Next Materials	Green synthesis of neem (Azadirachta indica) functionalized zinc oxide with enhanced antimicrobial properties	Halder A.;Mohan G.R.;Matheshwaran S.;Jha S.K.	8	2025	
1044	Materials Today Communications	Determination of local constitutive behavior in friction stirred Al-Cu-Li alloy	Yadav A.K.;Trivedi S.;Yadava M.;Nayan N.;Gurao N.P.	46	2025	
1045	Results in Surfaces and Interfaces	Effect of plasma processing on the morphological and electrical properties of polyethylene terephthalate (PET) substrate	Prakash A.;Manohara K.;Kumar S.;Katiyar M.	20	2025	
1046	Journal of Alloys and Compounds	Effect of minor additions of Al, Nb and V on the microstructure and mechanical properties of HfTiZr medium entropy alloy	Dixit A.;Gurao N.P.;Biswas K.	1035	2025	
1047	Journal of Alloys and Compounds	Effect of heat treatment process parameters, cooling rate on microstructure morphology, mechanical behaviour and texture evolution of two phase (α + β) Ti-6Al-4V alloy	Patil U.S.;Babu S.M.J.;Thota M.K.;Avinash S.;Kulkarni R.R.;Gangolu S.;S M D.;Mishra M.K.	1035	2025	
1048	Bulletin of Materials Science	Corrosion performance of X70 and X80 line pipe steels in a simulated concrete pore solution contaminated with 3.5 wt% NaCl	Sumanth A.;Vishwanath K.;Mukherjee S.;Mondal K.;Kancharla H.	48	2025	

1049	Metallurgical and Materials Transactions A Physical Metallurgy and Materials Science	Micro-Mechanisms of Damage Evolution in Commercially Pure Titanium: An In-Situ Study with CPFEM Simulations	Sahu V.K.;Yadava M.;Chakraborty P.;Gurao N.P.	56	2025	4157-4171
1050	International Journal of Pharmaceutics	Novel multi-nozzle spray coating technology for the continuous production and isolation of drug nanoparticles	O'Sullivan A.;Verma V.;Baassiri M.;Costa C.;Moghimi M.H.;Ryan K.M.;Shardt O.;Padrela L.	683	2025	
1051	Physica Scripta	Scope of generative artificial intelligence in microstructural studies: a case study	Ahmad O.;Panwar V.;Das K.;Mukherjee R.;Bhowmick S.	100	2025	
1052	Electrochimica Acta	Strategic engineering of composite polymer as interface modifier for high-performance ceramic electrolyte-based Na-ion solid-state batteries	Srivastava R.P.;Sharma S.;Bhattacharyya S.;Sharma P.;Aman M.;Omar S.	540	2025	
1053	Ocean Engineering	Development of a simulated marine environment device for studying the simulated splash zone corrosion behavior of materials	Vishwanath K.;Singh S.S.;Mondal K.	340	2025	
1054	Metals and Materials International	Synthesis and Characterization of Mg-Ca-Zn(Sn) Bulk Metallic Glasses and Composites via Melt Spinning Followed by High-Pressure Torsion	Ramasamy P.;Badu S.K.;Bera S.;Singh D.;Chen Z.;Zhang Z.;Wang P.;Peng J.;Biswas K.;Singh S.S.;Eckert J.	32	2026	667-680

1055	Materials Today Communications	Correlation between chromium concentration, magnetic order, and magnetocaloric performance in FeCoNi-based rare earth free medium-entropy alloys	Manglam M.K.;Kar M.;Shekhar S.	48	2025	
1056	Materials Advances	Isoniazid-loaded multicore magnetic nanoparticles as a facile intervention for combating mycobacterial infection	Panigrahi L.L.;Sarangi A.;Shankar Das B.;Shekhar S.;Bhattacharya D.;Arakha M.	6	2025	5726-5741
1057	ACS Applied Polymer Materials	Exploring Diurethane Dimethacrylate Monomer for Phase-Separated Structural Battery Electrolytes	Kalia S.;Sharma S.;Aman M.;Prabhakaran R.T.D.;Omar S.	7	2025	8853-8863
1058	Materials Chemistry and Physics	Magnetic phase separation in double perovskite $\text{Sr}_2\text{MnNbO}_{6-\delta}$	Popov D.V.;Batulin R.G.;Cherosov M.A.;Chupakhina T.I.;Deeva Y.A.;Shustov V.A.;Agafonov S.S.;Kolkov M.I.;Kurbakov A.I.;Eremina R.M.;Maiti T.	345	2025	
1059	Journal of the European Ceramic Society	Study on structural and microstructural evolution during liquid phase flash sintering of 3mol% yttria stabilized zirconia	Eqbal A.;Raj R.;Singh S.K.;Gupta A.;Jha S.K.;Chakrabarti T.	45	2025	

1060	Journal of Materials Science	Influence of Sn and Al contents on the microstructure evolution and mechanical performance of stir-cast Mg-3.0Al-0.5Si alloy	Nanda A.K.;Kumar P.;Poddar P.;Sivasubramanian J.;Basu A.;Gupta G.;Singh S.S.;Gupta M.;Ganguly S.	60	2025	9758-9790
1061	Materials Today Communications	Synergistic enhancement in strength, ductility and electrical conductivity of powder metallurgy processed Cu-15Ni-8Sn alloy through microstructural tuning	Kamal T.;Upadhyaya A.	48	2025	
1062	Journal of Applied Physics	Multi-fidelity framework and uncertainty quantification for thermal conductivities of aluminum alloys	Akhavan S.;Sridar S.;Babae H.;Xiong W.	138	2025	
1063	Mechanics of Materials	Influence of precipitation size distribution on the mechanical properties of precipitation-hardened alloys using a CPFEM approach	Guin S.;Yeh C.J.;Lo Y.C.;Mukherjee R.;Yu C.H.;Huang C.W.	209	2025	
1064	Journal of the European Ceramic Society	Mechanical and fretting wear behaviour of spark plasma sintered ceria and carbon nanotubes reinforced 3 mol% yttria stabilized zirconia composites	Kushwaha S.;Bajpai S.;Balani K.	45	2025	
1065	Materials Letters	Predicting primary slip systems in HCP metals: A combined geometrical and electronic approach	Akhtar M.F.;Gurao N.P.;Bhowmick S.	400	2025	
1066	Materials Characterization	A robust method of denoising experimental micrographs using deep learning	Ahmad O.;Linda A.;Jha S.R.;Bhowmick S.	223	2025	

1067	Materials Science and Engineering A	Integrating experimental and computational approaches to unveil processing-microstructure-property relationships in additive friction stir deposited AA6061 alloy	Paliwal D.;Bharti P.;Yadava M.;Radhakrishnan M.;Sharma S.;Dahotre N.B.;Gurao N.P.	942	2025	
1068	Modelling and Simulation in Materials Science and Engineering	Elucidating the influence of alloying elements on hydrogen embrittlement in steels through machine learning-aided property prediction	Chandrakar S.;Mahato S.;Kose S.;Gore P.;Gurao N.P.	33	2025	
1069	Materialia	Effect of surface mechanical grinding treatment on the microstructural evolution and mechanical properties of commercially pure titanium	Dhakar B.;Basantia S.K.;Chandrakar S.;Gurao N.P.	42	2025	
1070	Journal of Materials Engineering and Performance	Structural Performance and Failure Behavior of Direct Metal Laser Sintered Honeycomb-Structured Sample of Ti6Al4V	Yadav A.K.;Gurao N.P.	35	2026	3804-3814
1071	ACS Materials Au	Mechanical Behavior of Hot-Rolled and Direct Metal Laser-Sintered Ti6Al4V Alloy in the Presence of Hydrogen	Chandrakar S.;Gore P.;Gurao N.P.	5	2025	772-784
1072	International Journal of Minerals Metallurgy and Materials	Development of constitutive models and hot-working processing map for Al-12Ce-0.4Sc alloys	Athimulam M.R.;Paul J.;Gangolu S.;Babu S.M.J.	32	2025	1655-1668
1073	Nanoscale	Exclusive production of acetone using a copper nanoparticle anchored LSCO perovskite electrocatalyst: cell design and metal-support interaction governed electrocatalysis	Dhakar S.;Kumar R.;Khatua R.;Mitra R.;Urkude R.R.;Ghosh B.;Mondal A.;Biswas K.;Sharma S.	17	2025	19196-19209

1074	Journal of Materials Engineering and Performance	Enhanced Strength–Ductility Balance in Modified 9Cr-1Mo Steel via Optimized Austempering and Tempering Processes	Kumar S.;Bhagyaraj J.;Mondal K.;Sangal S.	35	2026	2065-2088
1075	Batteries and Supercaps	Enhancing Cycling Stability In Symmetric Solid-State Na-Ion Batteries Via Composite Polymer Buffer Layer	Sharma S.;Bhattacharyya S.;Srivastava R.P.;Shyamal S.;Aman M.;Omar S.	9	2026	
1076	Optik	Multiplexing and demultiplexing in hexagonal plasmonic lens induced on Weyl semimetals	Banerjee R.;Maiti T.	339	2025	
1077	Scripta Materialia	Experimental determination of critical resolved shear stress for strain-induced phase transformation	Jain R.;Jha S.K.;Haridas R.S.;Agrawal P.;Park J.S.;Mishra R.S.	270	2026	
1078	Ceramics International	Reactive flash sintering of high-entropy Ferrites: Effect on microstructure and magnetic properties	Tyagi P.K.;Jha S.K.	51	2025	52111-52118
1079	Journal of Materials Chemistry C	Enhanced thermoelectric performance of Cu ₂ Se through Cu-deficiency and Te-substitution	Saini R.;Paul S.;Aggarwal S.;Maiti T.;Pati S.K.;Mallik R.C.	13	2025	18690-18701
1080	Chemical Engineering Journal	Sustainable hydrogen production via methane decomposition using Fe[sbnd]Ni bimetallic catalysts	Shekhar S.;Tripathi K.;Karton A.;Roy S.;Joshi R.;Pant K.K.	523	2025	
1081	Journal of Molecular Liquids	Efficient one-pot capture and conversion of CO ₂ to methanol utilizing cholinium tosylate IL and heterogeneous CuMgO catalyst	Pandey V.;Mishra S.;Shekhar S.;Negi N.;Bisht M.;Pant K.K.	437	2025	

1082	Surfaces and Interfaces	Microscopic analysis on high corrosion-resistant metallic nitride-coated metallic bipolar plate for PEM fuel cell application	Ramakrishnan S.;Rajalakshmi N.;Valleti K.;Omar S.;Ramya K.	74	2025	
1083	ACS Applied Materials and Interfaces	Incorporation of MXene into Bi ₂ S ₃ Matrix Promotes Better Electron Transport and Enhanced Thermoelectric Figure of Merit	Dixit P.;Anjum F.;Maiti T.	17	2025	51944-51953
1084	Journal of Materials Engineering and Performance	Corrosion Properties of Dual-Phase Bainitic and Martensitic Microstructures in Modified 9Cr-1M Steel	Kumar S.;Sangal S.	35	2026	5270-5292
1085	Journal of Sustainable Metallurgy	Hydrometallurgical Recycling of White Aluminum Dross to Synthesize tris(8-Hydroxyquinoline)Aluminum(III)	Srivastava A.;Shukla S.;Meshram A.	11	2025	4322-4333
1086	Renewable Energy	Polyhedral silver-gold-alloy nanocrystal induced enhanced phase transition in monolayer 2H-MoS ₂ for electrocatalytic hydrogen evolution	Sarkar A.;Qamar U.;Halder A.;Saroj V.K.;Panda S.;Jha S.K.;Devi A.A.S.;Das S.	257	2026	
1087	Science Advances	Polymer Encapsulation via Initiated Chemical Vapor Deposition (iCVD) to Enhance Stability of Ti ₃ C ₂ T _x MXene-Based Formaldehyde Sensors	Reeja Jayan; Albert A Presto; Shwetha Sunil Kumar; Renuka H; Nicholas Hattrup; Gerald Jonathan Wang		2025	

1088	Additive Manufacturing	High speed thermal imaging and modeling of laser powder bed fusion manufactured WC–Ni cemented carbides	Guadalupe Quirarte; Alexander J. Myers; Alexander Gourley; Craig M. Weeks; B. Reeja-Jayan; Jack Beuth; Jonathan A. Malen		2025	
1089	The International Journal of Advanced Manufacturing Technology	Thermomechanical modeling-driven process parameter refinement in WC-Ni cemented carbide laser powder bed fusion	Alexander Gourley; Guadalupe Quirarte; Jonathan Malen; Jack Beuth; B. Reeja-Jayan		2025	
1090	JOM	Thermal Stabilization of Nanocrystalline Nickel Through Minor Tin Addition	Jangid A.; Ghosh P.; Singh S.S.; Badwe N.	77	2025	9688-9700
1091	Materials Science and Engineering A	Microstructure – Mechanical property correlation in multi-component dual-phase (Zr, Ti, Ta) boride-carbide ultra high temperature ceramic	Singh K.P.; Bajpai S.; Balani K.	947	2025	
1092	Journal of Materials Chemistry A	Composition tuning of structural high entropy alloy (Fe-Co-Ni-Cu-Mn/Zn) nano-electrocatalysts for synergistic water splitting	Campos-Mata A.; Gakhad P.; Banik D.; Chandra Mohanty G.; Chattopadhyay S.; Gangwar B.P.; Tiwary C.S.; Singh A.K.; Roy S.; Ajayan P.M.; Biswas K.	13	2025	42006-42016

1093	Small	Exploring Sustainable Hydrogen Production from Alkaline Fresh and Seawater Using Natural Ore Derived 2D Bi ₂ S ₃	Chattopadhyay S.;de Oliveira C.C.;Bhar R.;Banik D.;Pieshkov T.S.;Puthirath A.B.;Pramanik A.;Sreeram P.R.;Saju S.K.;Costin G.;Vajtai R.;Dubey B.K.;Biswas K.;da Silva Autreto P.A.;Tiwary C.S.;Ajayan P.M.	21	2025	
1094	Sustainable Materials and Technologies	A sustainable application of galvalume unprocessed and processed dross as sacrificial anodes for cathodic protection of steel structures	Chahar B.S.;Singh V.;Bhadu M.K.;Bhatia S.A.;Hadas S.;Bhagat A.N.;Mondal K.	46	2025	
1095	Metallurgical and Materials Transactions A Physical Metallurgy and Materials Science	Analysis of Diffusion Depths and Diffusion Paths in β -(Ni,Pt)Al System	Samantaray B.;Das D.;Alam Z.;Kulkarni K.N.	56	2025	5338-5352
1096	Nanoscale Advances	Biosynthesized iron oxide-nanoparticle encapsulated hydrogel functionalized with platelet-rich plasma (PRP) accelerates wound healing in an animal model	Panigrahi L.L.;Satpathy S.;Samal P.;Shekhar S.;Prusty S.K.;Arakha M.	7	2025	7209-7225
1097	Journal of the American Ceramic Society	Tuning electrochemical performance of Fe hyper-doped TiO ₂ anodes for Na-ion batteries	Raj A.;Sharma S.;Omar S.;Jha S.K.	109	2026	

1098	International Journal of Refractory Metals and Hard Materials	Automated quantification of dihedral angles in sintered tungsten heavy alloys using image processing	Kumar M.;Ranot H.;Kamal T.;Gurao N.P.;Upadhyaya A.	134	2026	
1099	Macromolecular Bioscience	Architecturally Refined Cerium-Integrated Hydroxyapatite/CNT Nanocomposite Coatings: Enhanced Mechanics and Biofunction for Orthopaedic Implantation	Phogat D.;Rani P.;Biswas A.;Balani K.;Awasthi S.	25	2025	
1100	Metallography Microstructure and Analysis	Effect of Print Parameters on the Microstructural Evolution in Additively Manufactured In718: Experimental Studies and Analytical Formulation	Nazeemudheen M.N.;Manwatkar S.;Murty S.V.S.N.;Gangolu S.	14	2025	1278-1292
1101	Intermetallics	Hot deformation behavior and processing map development of Al0.3Co1.5CrFeNi1.5Ti0.2 high-entropy alloy: Mechanisms and microstructural evolution	Harun B.;Kumar R.;Jaiswal S.;Huang E.W.;Chang Y.J.;Yeh A.C.;Singh S.S.;Neelakantan S.;Jain J.	188	2026	
1102	Bioresource Technology Reports	Cattle manure extract inhibiting corrosion in Al-Cu alloy and commercially pure Mg against NaCl solution	Kosireddi R.K.;Mandal S.;Mondal K.	32	2025	
1103	Materials Letters	Microstructural gradients in an Al-Mg-Ti-Zr alloy via tool offset-controlled SolidStir® extrusion	Sharma A.;Jha S.K.;Gumaste A.;Jain R.;Mishra R.S.	404	2026	
1104	Wear	Synergistic effect of cold rolling and heat treatment on tribological performance of Inconel-718 at room and high temperature	Kumar A.;Mukherjee R.;Singh M.K.	584-585	2026	

1105	International Journal of Biological Macromolecules	Engineering double-layered hydroxyapatite/polyvinyl alcohol-ceria composite coatings for potential orthopaedic applications	Phogat D.;Rani P.;Biswas A.;Balani K.;Awasthi S.	332	2025	
1106	Journal of Applied Physics	A novel electronic structure-based prediction of interstitial strengthening in α -titanium	Faiz Akhtar M.;Gurao N.P.;Bhowmick S.	138	2025	
1107	Journal of Materials Research and Technology	Towards intelligent processing: Machine learning-based prediction of flow curves and hot workability maps for Ti71Fe25.15Sn3.85 alloy	Jain R.;Jain S.;Dewangan S.K.;Rahul M.R.;Samal S.;Youn G.;Jeon Y.;Biswas K.;Phanikumar G.;Ahn B.	39	2025	8665-8673
1108	Thin Solid Films	Tuning substrate temperature for improved adhesion and mechanical properties of magnetron sputtered high entropy alloy thin-films	Subhakar M.;Pandey L.;Chaudhary S.;Jaiswal S.P.;Singh S.S.;Mahmud U.;Chiu Y.L.;Jones I.P.;Jain J.	832	2025	
1109	Physical Review B	Electronic and magnetic properties of $\text{Ba}_x\text{Sr}_{2-x}\text{TiFeO}_6$ double perovskites: A combined experimental and theoretical study	Dutta D.;Bhattacharya T.;Vagizov F.;Shustov V.;Lyadov N.;Shestakov A.;Yatsyk I.;Shukla A.K.;Mamedov D.;Eremina R.;Bhattacharya A.;Maiti T.	112	2025	

1110	Physical Review Materials	Interface energy anisotropy and interface step structure in γ -Ni/ γ' -Ni ₃ Al: An atomistic simulations perspective	Ghosh S.;Mukherjee R.;Brandl C.	9	2025	
1111	Physical Review Materials	Deep learning-driven prediction of microstructure evolution via latent space interpolation	Gaikwad S.;Kasilingam T.;Ahmad O.;Mukherjee R.;Bhowmick S.	9	2025	
1112	Nanoscale	Nanoallotrope-integrated polyacrylamide hydrogels: a synergistic experiment–theory approach for engineering mechanically resilient and cytocompatible composites for cartilage tissue regeneration	Nehal ;Manohar M.;Komal ;Balani K.;Pandey S.K.;Awasthi S.	18	2026	1488-1504
1113	ACS Applied Optical Materials	Machine Learning-Enabled Optical Property Prediction of Thin Films Using Spectral Data Extraction from Scientific Literature	Harsh Mishra; Prathamesh Deepak Ladhe; Shikhar Misra		2025	
1114	Next Research	Replacing hazardous solvents via computationally designed organic solvent blends for PV module delamination for recycling	Harish Kumar Trivedi; Kaushik Roy; Arunabh Meshram; Rajeev Gupta		2025	
1115	Materials Chemistry and Physics	Electrochemical behavior of harmonic microstructured CoCrFeMnNi high-entropy alloy in strong acidic HCl and H ₂ SO ₄ solutions	Banik D.;Pandey P.K.;Fujiwara H.;Ameyama K.;Mondal K.	349	2026	
1116	Ceramics International	Very hard and wear resistant novel complex carbide composites containing WC and Cr-Fe-C with metallic Cr as diffusion assisting agent towards sintering	Singh V.;Chahar B.S.;Mandal S.;Mondal K.	51	2025	64921-64935

1117	ACS Applied Energy Materials	Iron Phosphide Exsolution for Enhanced Electrochemical Performance of Fe-doped Na ₃ V ₂ (PO ₄) ₃ Cathodes in Sodium-Ion Batteries	Sharma S.;Bhattacharyya S.;Thirupathi R.;Srivastava R.P.;Jha S.K.;Omar S.	8	2025	10984-10998
1118	Journal of Materials Science Materials in Electronics	Recovery of copper oxide nanostructures from waste printed circuit boards for environmental remediation: synthesis, characterization, and photocatalytic application investigation	Gautam P.;Yadav M.;De A.K.;Sinha I.;Meshram A.;Behera C.K.;Singh K.K.	36	2025	
1119	Journal of Alloys and Compounds	Correlative analysis of build direction and post-processing heat treatments effect on microstructural evolution, porosity, residual stresses and micro-mechanical behavior of selective laser melted AlSi10Mg alloy	Prasad K.E.R.V.;Babu S.M.J.;Vesangi A.K.;Pradeep P.I.;Dwivedi A.;Gangolu S.	1048	2025	
1120	Microscopy and Microanalysis	Effect of Dynamic Reconstruction on Particle Size and Morphology in Atom Probe Tomography	Hatzoglou C.;Kontis P.;Khanchandani H.;Da Costa G.;Gault B.;Vurpillot F.	31	2025	
1121	Calphad Computer Coupling of Phase Diagrams and Thermochemistry	Thermodynamic reassessment of Mg-Sn-Y system assisted by the first-principles calculations and key experiments	Shandley R.;Sridar S.;Gandi A.N.;Ravi K.R.	92	2026	
1122	Next Energy	Waste-to-hydrogen production: Recycling aluminium dross in alkali solutions	Srivastava A.;Meshram A.	10	2026	

1123	Journal of Materials Research and Technology	Machine-learning-driven prediction of flow curves and development of processing maps for hot-deformed Ni–Cu–Co–Ti–Ta alloy	Jain R.;Jain S.;Dewangan S.K.;Rahul M.R.;Samal S.;Song E.;Lee Y.;Jeon Y.;Biswas K.;Phanikumar G.;Ahn B.	36	2025	7447-7456
1124	International Journal of Plasticity	Tailoring fracture resistance of a metastable Fe ₄₂ Mn ₂₈ Co ₁₀ Cr ₁₅ Si ₅ high entropy alloy by intrinsic toughening	Yadav M.;Nayan N.;Biswas K.;Gurao N.P.	188	2025	
1125	Journal of Energy Storage	Rationally designed electrode architectures of core-shell NiMn-LDH@CuCo ₂ O ₄ and marigold nanoflower α -Fe ₂ O ₃ for high-performance asymmetric pseudocapacitors	Aman M.;Sharma V.;Omar S.	147	2026	
1126	Energy and Fuels	Dual-Functional Bi ₂ Se ₃ –Modified Separators for High-Performance Sodium–Sulfur Batteries	Manish ;Aman M.;Sharma S.;Bhattacharyya S.;Nishanth J.;Mohan T.;Omar S.	40	2026	916-927
1127	Eng	A Machine Learning Approach to Determine the Band Gap Energy of High-Entropy Oxides Using UV-Vis Spectroscopy	Hoyos-Sanchez J.P.;Hahn H.;Jha S.K.;Schweidler S.;Velasco L.	6	2025	
1128	Acta Materialia	Multiscale modeling of abnormal grain growth: Role of solute segregation and grain boundary character	Linda A.;Mukherjee R.;Bhowmick S.	306	2026	
1129	Advanced Engineering Materials	Effect of Surface Mechanical Grinding Treatment on the Strain-Amplitude-Dependent Fatigue Response of CP-Ti	Basantia S.K.;Chandrakar S.;Das B.;Dhakal B.;Gurao N.P.		2026	

1130	Sensors and Actuators A Physical	Floating PBTTT-graphene quantum dots composite coated thin film transistor for ammonia sensing	Nikhil N.;Kumar C.;Gangolu S.	399	2026	
1131	ACS Biomaterials Science and Engineering	Association of Non-Bridging Oxygen with Cytocompatibility in Cerium and Cobalt Codoped 58S Bioglass	Manohar M.;Balani K.	12	2026	1474-1491
1132	npj Advanced Manufacturing	Rapid data acquisition and machine learning-assisted composition design of functionally graded alloys via wire arc additive manufacturing	Xin Wang; Soumya Sridar; Michael Klecka; Wei Xiong		2025	
1133	Journal of Alloys and Compounds	Composition-dependent lattice parameter and molar volume in B2 (Ni, Ru) Al: Experimental measurements, thermodynamic work and implications for bond-coat distortion	Kumar S.;Gurao N.P.;Kulkarni K.N.	1057	2026	
1134	Steel Research International	Mathematical and Experimental Investigations of Hot Metal Flow in a Blast Furnace Trough	Ranjan S.;Mazumdar D.		2026	
1135	Journal of Materials Engineering and Performance	Tribological Behavior of Optimized Heat-Treated Dual-Phase Bainitic and Martensitic Modified 9Cr-1Mo Steel	Kumar S.;Sangal S.		2026	
1136	Journal of Alloys and Compounds	Effect of Ni/Fe ratio on the densification, microstructural evolution and mechanical properties of Mo-10(Ni-Fe) alloys	Ranot H.;Upadhyaya A.	1055	2026	
1137	World of Metallurgy Erzmetall	An Alternative Method of Black Aluminium Dross Utilization	Srivastava A.;Meshram A.	78	2025	286-293

1138	Journal of Materials Chemistry A	Entropy-stabilized perovskite oxide Ba _{0.1} Ca _{0.1} La _{0.05} Sr _{0.75} Ti _{0.85} Nb _{0.15} O ₃ with improved thermoelectric performance for high-temperature waste heat recovery	Bhattacharya T.;Kumar V.;Aggarwal S.;Dixit P.;Das S.;Maiti T.		2026	
1139	Crystal Growth and Design	Effects of B ₂ O ₃ on the Growth, Structural, and Magneto-Optical Properties of Yttrium Iron Garnet Single-Crystal Fibers	Hong J.Y.;Karki D.;Sridar S.;Ohodnicki P.	26	2026	2473-2487
1140	Packaging Technology and Science	Bacterial Cellulose Coatings for Improved Air and Moisture Barrier Properties of Kraft Paper	Bhuvana T.;Tiwari R.;Manohar M.;Tiwari A.;Balani K.;Chandraprakash C.		2026	
1141	ACS Applied Polymer Materials	Molecularly Ordered PBTTT/Au-rGO Films for Mobility-Enhanced OFET Ammonia Sensors	Nikhil ;Baranwal R.;Verma S.;Gangolu S.	8	2026	3432-3444

Physics

1142	Nature Communications	Elliptic anisotropy measurement of the $\rho(980)$ hadron in proton-lead collisions and evidence for its quark-antiquark composition	Zhokin A.;Zhizhin I.;Zarubin A.;Yuldashev B.S.;Voytishin N.;Vorobyev A.;Vardanyan I.;Uzunian A.;Uvarov L.;Toropin A.;Tlisoa I.;Teryaev O.;Terkulov A.;Tcherniaev E.;Sulimov V.;Sosnov D.;Snigirev A.;Smirnov V.;Slabospitskii S.;Skovpen Y.;Shulha S.;Shmatov S.;Shalaev V.;Savrin V.;Savina M.;Radchenko O.;Popov V.;Polikarpov S.;Petrushanko S.;Perelygin V.;Palichik V.;Oreshkin V.;Obraztsov S.;Nikitenko A.;Murzin V.;Matveev V.;Malakhov A.;Makarenko	16	2025	
1143	Dynamic Games and Applications	Oscillatory Equilibrium in Asymmetric Evolutionary Games: Generalizing Evolutionarily Stable Strategy	Dubey V.K.;Chakraborty S.;Chakraborty S.	15	2025	1536-1563
1144	Angewandte Chemie International Edition	Impact of Pressure on Metavalent Bonding in BiTe Influencing Electronic Topological Transitions	Pathak R.;Joseph A.;Dutta P.;Joseph B.;Duhan J.;Chandra S.;Narayana C.;Pal K.;Biswas K.	64	2025	

1145	International Journal of Heat and Mass Transfer	Compressible turbulent convection at very high Rayleigh numbers	Tiwari H.;Sharma L.;Verma M.K.	242	2025	
1146	Scientific Reports	Short and long-range magnetic ordering and emergent topological transition in $(\text{Mn}_{1-x}\text{Ni}_x)\text{P}_2\text{S}_6$	Khan N.;Kumar D.;Semwal S.;Shemerliuk Y.;Büchner B.;Pal K.;Aswartham S.;Kumar P.	15	2025	
1147	Advanced Materials	Quantum Geometric Moment Encodes Stacking Order of Moiré Matter	Layek S.;Sinha S.;Chakraborty A.;Mukherjee A.;Agarwal H.;Watanabe K.;Taniguchi T.;Agarwal A.;Deshmukh M.M.	37	2025	
1148	Scientific Reports	Broadband and wide-angle antireflective metasurfaces with complementary patterns	Biswas V.;Vijaya R.	15	2025	
1149	2d Materials	Phonon-assisted photoluminescence and exciton recombination in monolayer aluminum nitride	Yadav P.;Agarwal A.;Bhattacharya S.	12	2025	
1150	Physica Scripta	Electrically controlled focusing of de Broglie matter waves by Fresnel zone plate	Barman S.;Bhattacharjee S.	100	2025	

1151	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Angular analysis of the $B^0 \rightarrow K^*(892)^0 \mu^+ \mu^-$ decay in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	864	2025	
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1152	European Physical Journal C	Development of systematic uncertainty-aware neural network trainings for binned-likelihood analyses at the LHC	Druzhkin D.;Borshch V.;Babaev A.;Uzunian A.;Slabospitskii S.;Kachanov V.;Skovpen Y.;Radchenko O.;Kozyrev A.;Dimova T.;Blinov V.;Volkov P.;Savrin V.;Perfilov M.;Klyukhin V.;Gribushin A.;Ershov A.;Dudko L.;Dubinin M.;Bunichev V.;Boos E.;Terkulov A.;Kirakosyan M.;Azarkin M.;Andreev V.;Polikarpov S.;Chistov R.;Chadeeva M.;Zhokin A.;Popov V.;Lychkovskaya N.;Gavrilov V.;Ivanov K.;Aushev T.;Vorobyev A.;Uvarov L.;Sulimov V.;Sosnov D.;Oreshkin V.;Murzin V.;Kim	85	2025	
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1153	Journal of High Energy Physics	Search for t-channel scalar and vector leptoquark exchange in the high-mass dimuon and dielectron spectra in proton-proton collisions at TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
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1154	Journal of High Energy Physics	Search for dark matter production in association with a single top quark in proton-proton collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	
1155	Physical Review Applied	Harnessing Gaussianlike transfer characteristics for ultraefficient computation in monolayer two-dimensional devices	Naseer A.;Nandan K.;Rafiq M.;Agarwal A.;Bhowmick S.;Chauhan Y.S.	23	2025	

1156	Small	Detecting Lifshitz Transitions Using Nonlinear Conductivity in Bilayer Graphene	Ahmed T.;Varshney H.;Tu B.Q.;Watanabe K.;Taniguchi T.;Gobbi M.;Casanova F.;Agarwal A.;Hueso L.E.	21	2025	
1157	Journal of Optics United Kingdom	Comparison of polymer-based 1D and 2D plasmonic metasurfaces for refractive index sensing	Biswas V.;Vijaya R.	27	2025	
1158	Physical Review E	Bayesian ecoevolutionary game dynamics	Patra A.;Das Bairagya J.;Chakraborty S.	111	2025	
1159	Journal of Magnetism and Magnetic Materials	Crystalline electric field and anomalous Hall effect in topological semimetal PrGaSi	Swami R.;Ram D.;Hossain Z.	624	2025	
1160	Astrophysical Journal	Emergence of Two Inertial Subranges in Solar Wind Turbulence: Dependence on Heliospheric Distance and Solar Activity	Mondal S.;Banerjee S.;Sorriso-Valvo L.	982	2025	
1161	Macromolecules	Effect of Thermal Annealing on the Bound Layer in Polymer Thin Films: Insights from Swelling Kinetics and Guiselin's Approach	Bhutia S.Z.;Chandran S.;Sukumaran S.K.;Satapathy D.K.	58	2025	3564-3577

1162	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Search for rare decays of the Z and Higgs bosons to a J/ψ or ψ(2S) meson and a photon in proton-proton collisions at s=13TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	865	2025	
1163	Physical Review B	Valley filtering and valley valves in irradiated pristine graphene	Kumari R.;Dixit G.;Kundu A.	111	2025	
1164	Physical Review Materials	Investigation of weak antilocalization and π -Berry phase by quantum oscillation in ferromagnetic Weyl semimetals	Meena P.;Mudgal M.;Bagga S.;Tiwari V.K.;Malik V.K.;Yadav C.S.;Nayak J.	9	2025	
1165	Tribology International	Controlling adhesion of PDMS elastomer through process parameters	Kumar S.;Khare K.;Singh M.K.	209	2025	

1166	ACS Omega	Reversible Wetting Transition of Water from Hydrophilic to Superhydrophilic State with UV-Ozone- and Ar-Plasma-Exposed Nanoporous Alumina Membranes: Microcooling, Sensing, and Filtering Applications	Shaik S.;Gupta P.K.;Sharma M.;Khare K.;Ramakrishna S.A.	10	2025	17170-17181
1167	Proceedings of the Royal Society A Mathematical Physical and Engineering Sciences	Mitigating ecological tipping points via game-environment feedback	Mandal A.;Sarkar S.;Chakraborty S.;Dutta P.S.	481	2025	

1168	Journal of Astrophysics and Astronomy	New age observing facilities for Indian astronomy: 2020–2035	Sethuram R.;Roy J.;Reddy E.;Anupama G.C.;Banyal R.;Bhalerao V.;Bhattacharyya S.;Buch K.D.;Chakali E.;Chitnis V.;Datta A.;Godambe S.;Gopinathan M.;Kale R.P.;Lal D.V.;Mallick K.K.;Majumdar P.;Mitra S.;Oberoi D.;Mohanty P.;Mookerjee B.;Ojha D.K.;Dewangan L.K.;Jose J.;Ninan J.P.;Rao M.S.;Pahari M.;Naik S.;Jain P.;Prabhu T.;Ramaprakash A.N.;Rana V.;Ramesh R.;Ravindra B.;Sankarasubramanian K.;Ramadevi M.C.;Narendranath K.C.S.;Soam A.;Vadawale	46	2025	
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1169	Physical Review D	Energy-scaling behavior of intrinsic transverse-momentum parameters in Drell-Yan simulation	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	111	2025	
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1170	Journal of Instrumentation	Proton reconstruction with the TOTEM Roman pot detectors for high- β^* LHC data	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	20	2025	
1171	Physical Review D	Gauge invariant effective potential	Balui D.;Chakraborty J.;Dey D.;Mohanty S.	111	2025	

1172	Physical Review Letters	Search for Fractionally Charged Particles in Proton-Proton Collisions at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Del Valle A.E.;Hussain P.S.;Jeitler M.;Krammer N.;Lechner L.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;Van Mechelen P.;Bols E.S.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;El Faham H.;Lowette S.;Makarenko I.;Morton A.;Müller D.;Sahasransu A.R.;Tavernier S.;Tytgat M.;Van Putte	134	2025	
1173	Physical Review D	Gluon gravitational form factors of the proton in a light-front spectator model	Sain A.;Choudhary P.;Gurjar B.;Mondal C.;Chakrabarti D.;Mukherjee A.	111	2025	
1174	Physical Review B	Speed limits and scrambling in Krylov space	Gill A.;Sarkar T.	111	2025	
1175	Physical Review B	Crystalline electric field and intrinsic anomalous Hall effect in the antiferromagnetic topological semimetal TbPdSb	Ram D.;Anusree C V.;Samal D.;Kanchana V.;Hossain Z.	111	2025	

1176	Astrophysical Journal	Discovery of a New Flaring Class in GRS 1915+105 Using AstroSat	Dhaka R.;Yadav J.S.;Misra R.;Jain P.	984	2025	
1177	Journal of Instrumentation	Identification of low-momentum muons in the CMS detector using multivariate techniques in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	20	2025	

1178	ACS Nano	Strain-Induced Charge Density Waves with Emergent Topological States in Monolayer NbSe ₂	Chiu W.C.;Mardanya S.;Markiewicz R.;Nieminen J.;Singh B.;Hakioglu T.;Agarwal A.;Chang T.R.;Lin H.;Bansil A.	19	2025	18108-18116
1179	Communications Physics	Optimizing one dimensional superconducting diodes: interplay of Rashba spin-orbit coupling and magnetic fields	Bhowmik S.;Samanta D.;Nandy A.K.;Saha A.;Ghosh S.K.	8	2025	
1180	arXiv preprint arXiv:2502.09397	Angle-dependent dissipation effects in topological insulator-based Josephson junctions	Sten, Ardamon and Dutta, Paramita and Ghosh, Sudeep Kumar		2025	
1181	European Physical Journal C	Non-minimal coupling of scalar fields in the dark sector and generalization of the top-hat collapse	Saha P.;Dey D.;Bhattacharya K.	85	2025	
1182	Physical Review B	Metamagnetic quantum criticality in the antiferromagnetic topological	Das T.;Mukhopadhyay S.	111	2025	
1183	Physical Review B	Tuning the chiral orbital currents in a colossal magnetoresistive nodal-line ferrimagnet	Das A.;Mukhopadhyay S.	111	2025	
1184	Applied Physics Letters	Carrier mobility and transport mechanism in single-walled carbon nanotube (SWCNT) random network studied using impedance spectroscopy	Manoranjan ;Mohapatra Y.N.	126	2025	

1185	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Measurement of the Drell–Yan forward-backward asymmetry and of the effective leptonic weak mixing angle in proton- proton collisions at $s=13\text{TeV}$	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	866	2025	
1186	Advanced Functional Materials	Nonlinear and Planar Hall Effects as Probes of Band Geometry in 1T-TaS2 Driven by CDW Transition	Alam R.;Dutta D.;Sariket M.;Kumar N.;Agarwal A.;Pal A.N.	35	2025	

1187	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Search for heavy neutral Higgs bosons A and H in the $t\bar{t}Z$ channel in proton-proton collisions at 13 TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	866	2025	
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1188	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Observation of nuclear modification of energy-energy correlators inside jets in heavy ion collisions	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	866	2025	
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1189	Nature Materials	Superconducting magic-angle twisted trilayer graphene with competing magnetic order and moiré inhomogeneities	Mukherjee A.;Layek S.;Sinha S.;Kundu R.;Marchawala A.H.;Hingankar M.;Sarkar J.;Sangani L.D.V.;Agarwal H.;Ghosh S.;Tazi A.B.;Watanabe K.;Taniguchi T.;Pasupathy A.N.;Kundu A.;Deshmukh M.M.	24	2025	1400-1406
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1190	Physical Review D	Measurement of the Higgs boson mass and width using the four-lepton final state in proton-proton collisions at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	111	2025	
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1191	Journal of Instrumentation	Irradiation tests of the OBDTv1 board at CHARM	Abbiendi G.;Alcaraz Maestre J.;Alvarez Gonzalez B.;Amapane N.;Baldanza C.;Barcellan L.;Battilana C.;Bedoya C.F.;Bellato M.;Bencze G.;Benettoni M.;Beni N.;Benvenuti A.;Bergnoli A.;Borgonovi L.;Böttger U.;Bragagnolo A.;Cafaro V.;Calvo E.;Carlin R.;Carrillo C.;Castellani L.;Cavallo F.R.;Cela Ruiz J.M.;Cepeda M.;Cerrada M.;Checchia P.;Ciano L.;Colino N.;Colombo A.;Corti D.;Cotto G.;Crupano A.;Cuadrado Calzada S.;Cuchillo Ortega J.;Cuevas J.;Cuffiani M.;De La Cruz B.;Dallavalle G.M.;Dattola D.;Eliseev	20	2025	
1192	European Physical Journal Plus	Covariant odd entanglement entropy in AdS3/CFT2	Biswas S.;Dey A.;Paul B.;Sengupta G.	140	2025	

1193	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Determination of the strong coupling and its running from measurements of inclusive jet production	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	868	2025	
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1194	Journal of High Energy Physics	Search for jet quenching with dijets from high-multiplicity pPb collisions at $\sqrt{s} = 8.16$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Damanakis K.; Dragicevic M.; Giordano C.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöfbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Kwon H.; Van Laer T.; Van Mechelen P.; Bierkens J.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1195	Physical Review D	Observation of $WZ\gamma$ production and constraints on new physics scenarios in proton-proton collisions at $\sqrt{s} = 13$ TeV	Chekhovsky V.;Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette	112	2025	
1196		Search for nonresonant new physics signals in high-mass dilepton events produced in association with b-tagged jets in proton-proton collisions at $\sqrt{s} = 13$ TeV			2025	

1197	Journal of High Energy Physics	Measurements of the Higgs boson production cross section in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Chatterjee S.; Damanakis K.; Dragicevic M.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöffbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Kwon H.; Van Laere T.; Van Mechelen P.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1198	Journal of High Energy Physics	Measurement of the inclusive WZ production cross section in pp collisions at $s = 13.6$ TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
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1199	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Multiplicity dependence of charm baryon and charm meson production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;Van Mechelen P.;Bols E.S.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;El Faham H.;Lowette S.;Makarenko I.;Müller D.;Sahasransu A.R.;Tavernier S.;Tytgat M.;Van Putte S.;Vannerom	868	2025	
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1200	Physical Review D	Search for heavy neutral resonances decaying to tau lepton pairs in proton-proton collisions at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	111	2025	
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1201	Physical Review D	Supernova pointing capabilities of DUNE	Abed Abud A.;Abi B.;Acciarri R.;Acero M.A.;Adames M.R.;Adamov G.;Adamowski M.;Adams D.;Adinolfi M.;Adriano C.;Aduszkiewicz A.;Aguilar J.;Aimard B.;Akbar F.;Allison K.;Monsalve S.A.;Alrashed M.;Alton A.;Alvarez R.;Alves T.;Amar H.;Amedo P.;Anderson J.;Andrade D.A.;Andreopoulos C.;Andreotti M.;Andrews M.P.;Andrianala F.;Andringa S.;Anfimov N.;Ankowski A.;Antoniassi M.;Antonova M.;Antoshkin A.;Aranda-Fernandez	111	2025	
1202	Sadhana Academy Proceedings in Engineering Sciences	Relative accuracy of turbulence simulations using pseudo-spectral and finite difference solvers	Rodhiya A.;Bhattacharya S.;Verma M.K.	51	2026	
1203	Journal of High Energy Physics	A comprehensive study of ALPs from B-decays	Bisht D.;Chakraborty S.;Samanta A.	2025	2025	
1204	Physica Scripta	Observational evidence to logistic dark energy driving the accelerating universe	Nelleri S.;Krishna G.;Poonthottathil N.	100	2025	

1205	Journal of Cosmology and Astroparticle Physics	Scalar field dominated cosmology with Woods-Saxon like potential	Radhakrishnan S.;Nelleri S.;Poonthottathil N.	2025	2025	
1206	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Measurement of the W boson decay branching fraction ratio $B(W \rightarrow cq)/B(W \rightarrow qq^-)$ in proton-proton collisions at $s=13\text{TeV}$	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	868	2025	

1207	Journal of High Energy Physics	Search for excited tau leptons in the $\tau\tau\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
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1208	Journal of High Energy Physics	Search for medium effects using jet axis decorrelation in inclusive jets from PbPb collisions at $\sqrt{s} = 5.02$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Chatterjee S.; Damanakis K.; Dragicevic M.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöfbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Kwon H.; Van Laer T.; Van Mechelen P.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1209	Journal of High Energy Physics	Search for bosons of an extended Higgs sector in b quark final states in proton-proton collisions at $s = 13$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Chatterjee S.; Damanakis K.; Dragicevic M.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöfbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Van Laer T.; Van Mechelen P.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1210	Journal of High Energy Physics	Measurement of the inclusive cross sections for W and Z boson production in proton-proton collisions at $s = 5.02$ and 13 TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;Van Mechelen P.;Bols E.S.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte S.;Vannerom	2025	2025	
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1211	Journal of High Energy Physics	Search for heavy long-lived charged particles with large ionization energy loss in proton-proton collisions at $s = 13$ TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
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1212	Journal of High Energy Physics	Measurement of the inclusive $t\bar{t}$ cross section in final states with at least one lepton and additional jets with 302 pb ⁻¹ of pp collisions at $s = 5.02$ TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
1213	Journal of Optics United Kingdom	Complex spatial coherence measurement using phase-shifting wavefront-inversion interferometry	Mohta P.;Bhattacharjee A.;Jha A.K.	27	2025	
1214	Journal of Physics Complexity	Coordinating cooperation in stag-hunt game: emergence of evolutionarily stable procedural rationality	Bairagya J.D.;Chakraborty S.	6	2025	

1215	ACS Applied Electronic Materials	Harnessing the Graphene/Pt/FM Interface for Improved Spin-To-Charge Current Conversion	Tahir M.;Das S.;Gupta M.;Medwal R.;Mukhopadhyay S.	7	2025	6450-6458
1216	Publications of the Astronomical Society of Australia	VLBA astrometry of PSRs B0329+54 and B1133+16: Improved pulsar distances and comparison of global ionospheric models	Kumar A.;Deller A.T.;Jain P.;Moldón J.	42	2025	
1217	Computer Physics Communications	quTARANG: A high-performance computing Python package to study turbulence using the Gross-Pitaevskii equation	Rawat S.S.;Jha S.K.;Verma M.K.;Mishra P.K.	315	2025	
1218	Advanced Functional Materials	Observation of the Magnetic Field Induced Fermi Surface Expansion in Aperiodic Quantum Oscillations	Kumari A.;Silotia H.;Das S.;Monga S.;Malik V.K.;Agarwal A.;Chakraverty S.	35	2025	
1219	Angewandte Chemie International Edition	Conduction Band Convergence and Modular Nanostructures: Driving High Thermoelectric Performance in n-Type PbSe	Haldar I.;Taneja V.;Goyal N.;Ubaid M.;Sarkar D.;Kedia D.K.;Saurabh K.;Singh S.;Pal K.;Ravishankar N.;Biswas K.	64	2025	

1220	Journal of the American Chemical Society	Interplay Between Lone Pair Stereochemical Activity and Structural Anisotropy Drives Ultralow Thermal Conductivity in Layered AGeS ₃ (A = Pb, Sn) Metal Sulfides	Acharyya P.;Pal K.;Shen X.;Zhang B.;Raveau B.;Passuti S.;Boullay P.;Lemoine P.;Malaman B.;Candolfi C.;Renaud A.;Zhou X.;Barbier T.;Guilmeau E.	147	2025	25806-25814
1221	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Strings, Virasoro sandwiches and worldsheet horizons	Bagchi A.;Banerjee A.;Rasulian I.M.;Sheikh-Jabbari M.M.	868	2025	
1222	Journal of Alloys and Compounds	Strain modulated rise, reduction, and resurrection of ferromagnetic ordering and structural properties in ZnO nanostructures due to 1.2 MeV proton implantation	Singh S.;Shukla N.;Poswal P.;Tyagi R.;Kumar R.;Bari S.B.;Chakravarty S.;Kelkar A.H.	1039	2025	
1223	American Journal of Physics	On the action for a charged particle moving in a magnetic field	Harbola M.K.	93	2025	706-713
1224	Monthly Notices of the Royal Astronomical Society	Partial tidal disruptions of spinning eccentric white dwarfs by spinning intermediate-mass black holes	Garain D.;Sarkar T.	542	2025	839-856
1225	ACS Omega	Catalytic Cleaning of Aluminum-Based Ceramic for Low-Noise Electronics	Karuppannan S.K.;Kwek J.;Chanu S.R.;Mukherjee M.	10	2025	36644-36651

1226	European Physical Journal C	Reweighting simulated events using machine-learning techniques in the CMS experiment	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	85	2025	
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1227	Journal of Instrumentation	Operation and performance of the CMS silicon strip tracker with proton-proton collisions at the CERN LHC	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Friedl M.;Frühwirth E.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Steininger H.;Templ S.;Waltenberger W.;Wulz C.E.;Beaumont W.;Darwish M.R.;Janssen T.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Bols E.S.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt	20	2025	
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1228	Physical Review Letters	Observation of the Charged-Particle Multiplicity Dependence of (Formula presented) in (Formula presented)-Pb Collisions at 8.16 TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	135	2025	
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1229	Physical Review Letters	Measurement of (Formula presented) and (Formula presented) Production Cross Sections at (Formula presented) and 13.6 TeV	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	135	2025	
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1230	Physical Review Letters	Evidence for Similar Collectivity of High Transverse-Momentum Particles in (Formula presented)-Pb and Pb-Pb Collisions	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	135	2025	
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1231	Physical Review Letters	Search for a Neutral Gauge Boson with Nonuniversal Fermion Couplings in Vector Boson Fusion Processes in Proton-Proton Collisions at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	135	2025	
1232	ACS Applied Nano Materials	Enhanced Spin Pumping and Magnetization Dynamics in Ni80Fe20/MoS2Nanoscale-Thick Stacks via Interface Modification for Spintronics Applications	Tahir M.;Diwakar S.;Das S.;Gupta M.;Medwal R.;Mukhopadhyay S.	8	2025	16164-16173
1233	New Journal of Physics	Intrinsic nonlinear Nernst and Seebeck effect	Varshney H.;Agarwal A.	27	2025	
1234	Journal of High Energy Physics	Scalar fields and 3D flat space cosmologies	Bagchi A.;Biswas S.;Kakkar A.;Mondal S.	2025	2025	

1235	European Physical Journal C	Neutrino interaction vertex reconstruction in DUNE with Pandora deep learning	Abud A.A.;Acciarri R.;Acero M.A.;Adames M.R.;Adamov G.;Adamowski M.;Adams D.;Adinolfi M.;Adriano C.;Aduszkiewicz A.;Aguilar J.;Akbar F.;Alemanno F.;Alex N.S.;Allison K.;Alrashed M.;Alton A.;Alvarez R.;Alves T.;Aman A.;Amar H.;Amedo P.;Anderson J.;Andreopoulos C.;Andreotti M.;Andrews M.P.;Andrianala F.;Andringa S.;Anjarazafy F.;Antic D.;Antoniassi M.;Antonova M.;Aranda-Fernandez A.;Arellano L.;Arrieta Diaz E.;Arroyave	85	2025	
1236	Journal of Chemical Physics	Kinetic energy release distributions of multiply charged NO _q ⁺ (q = 2-7) molecular ions produced in collisions with 1.6 MeV Ar ⁸⁺ ion beam	Duley A.;Dutta N.N.;Yadav J.;Tyagi R.;Bari S.B.;Safvan C.P.;Kelkar A.H.	163	2025	

1237	Journal of Instrumentation	Spatial and temporal evaluations of the liquid argon purity in ProtoDUNE-SP	Abbaslu S.;Abed Abud A.;Acciarri R.;Accorsi L.P.;Acero M.A.;Adames M.R.;Adamov G.;Adamowski M.;Adriano C.;Akbar F.;Alemanno F.;Alex N.S.;Allison K.;Alrashed M.;Alton A.;Alvarez R.;Alves T.;Aman A.;Amar H.;Amedo P.;Anderson J.;Andrade D.A.;Andreopoulos C.;Andreotti M.;Andrews M.P.;Andrianala F.;Andringa S.;Anjarazafy F.;Ansarifard S.;Antic D.;Antoniassi M.;Aranda-Fernandez A.;Arellano L.;Arrieta Diaz E.;Arroyave	20	2025	
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1238	Physical Review Letters	Probing Gluon Fluctuations in Nuclei with the First Energy-Dependent Measurement of Incoherent (Formula presented) Photoproduction in Ultraperipheral PbPb Collisions	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	135	2025	
1239	Physical Review A	Momentum imaging and kinetic-energy-release measurements for various fragmentation pathways in MeV-energy proton collisions with an SO2 molecule	Bari S.B.;Das R.;Tyagi R.;Kelkar A.H.	112	2025	01-Oct
1240	Physical Review B	Superinsulatinglike behavior in granular Pb film on gated few-layer MoS2	Suraina Gupta; Santu Prasad Jana; Pawan Kumar Gupta; Anjan K. Gupta		2025	

1241	Physical Review Applied	Blocking transition of SrTiO ₃ surface dipoles revealed by MoS ₂ transistor	Santu Prasad Jana; S. Sreesanker; Suraina Gupta; Anjan K. Gupta		2025	
1242	Nature Communications	Nanotetrapods promote polymer flow through confinement induced packing frustration	Sarkar J.;Gautham S.M.B.;Ali F.;Madhusudanan M.;Yadav H.;Datta A.;Patra T.K.;Chandran S.;Chowdhury M.	16	2025	
1243	APL Electronic Devices	Fully inkjet printed flexible SWCNT based TFT: Impact of traps on characteristics			2025	
1244	Materials Today Quantum	Nonlinear bulk photocurrent probe Z ₂ topological phase transition in noncentrosymmetric materials			2025	
1245	ACS Applied Energy Materials	High-Throughput Screening of 2D Photocatalyst Heterostructures with Suppressed Electron–Hole Recombination for Solar Water Splitting	Yadav S.;Modi J.K.;Ahammed R.;Bhadoria B.S.;Chauhan Y.S.;Agarwal A.;Bhowmick S.	8	2025	14601-14611
1246	Physical Review B	Planar Nernst effect from hidden band geometry in layered two-dimensional materials	Biswas R.;Varshney H.;Agarwal A.	112	2025	01-Dec
1247	Physical Review B	Layered topological antiferromagnetic metal at room temperature: YbMn ₂ Ge ₂	Jana N.;Chakraborty A.;Mukherjee A.;Agarwal A.	112	2025	01-Oct
1248	Physical Review D	Gauge choices, infrared pitfalls, and thermal effects in effective potentials	Balui D.;Biswas T.;Chakraborty J.;Dey D.;Englert C.;Mohanty S.	112	2025	056022-056022-18

1249	Physical Review Letters	Search for the Rare Decay (Formula presented) in Proton- Proton Collisions at (Formula presented)	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	135	2025	
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1250	Physical Review Letters	Observation of (Formula presented) Hyperon Local Polarization in (Formula presented)-Pb Collisions at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	135	2025	
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1251	Journal of High Energy Physics	Measurements of inclusive and differential Higgs boson production cross sections at TeV in the $H \rightarrow \gamma\gamma$ decay channel	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	
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1252	Journal of High Energy Physics	Search for vector-like leptons with long-lived particle decays in the CMS muon system in proton-proton collisions at $\sqrt{s} = 13$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Chatterjee S.; Damanakis K.; Dragicevic M.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöffbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Kwon H.; Van Laer T.; Van Mechelen P.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1253	Journal of High Energy Physics	Search for dark matter produced in association with one or two top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	Chekhovsky V.; Hayrapetyan A.; Makarenko V.; Tumasyan A.; Adam W.; Andrejkovic J. W.; Benato L.; Bergauer T.; Chatterjee S.; Damanakis K.; Dragicevic M.; Hussain P. S.; Jeitler M.; Krammer N.; Li A.; Liko D.; Mikulec I.; Schieck J.; Schöfbeck R.; Schwarz D.; Sonawane M.; Waltenberger W.; Wulz C. E.; Janssen T.; Kwon H.; Van Laer T.; Van Mechelen P.; Breugelmans N.; D'Hondt J.; Dansana S.; De Moor A.; Delcourt M.; Heyen F.; Hong Y.; Lowette S.; Makarenko I.; Müller	2025	2025	
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1254	Journal of High Energy Physics	Measurement of light-by-light scattering and the Breit-Wheeler process, and search for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s} = 5.02$ TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
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1255	Physical Review D	Search for flavor-changing neutral current interactions of the top quark mediated by a Higgs boson in proton-proton collisions at 13 TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Templ S.;Waltenberger W.;Wulz C.E.;Darwish M.R.;Janssen T.;VanMechelen P.;Bols E.S.;D'Hondt J.;Dansana S.;DeMoor A.;Delcourt M.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;VanOnsem G.P.;VanPutte S.;Vannerom	112	2025	
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1256	Journal of High Energy Physics	A method for correcting the substructure of multiprong jets using the Lund jet plane	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	2025	2025	
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1257	Nature	Determination of the spin and parity of all-charm tetraquarks	Snigirev A.;Savrin V.;Dubinin M.;Bunichev V.;Boos E.;Sosnov D.;Oreshkin V.;Murzin V.;Kim V.;Ivanov K.;Dudko L.;Zhizhin I.;Zarubin A.;Yuldashev B.S.;Voytishin N.;Toropin A.;Tlisova I.;Teryaev O.;Smirnov V.;Skovpen Y.;Shulha S.;Shmatov S.;Shalaev V.;Savina M.;Radchenko O.;Polikarpov S.;Petrushanko S.;Perelygin V.;Palichik V.;Nikitenko A.;Matveev V.;Malakhov A.;Lanev A.;Krasnikov N.;Kozyrev A.;Korenkov V.;Kodolova O.;Klyukhin	648	2025	58-63
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1258	Physical Review Letters	First Exclusive Reconstruction of the (Formula presented), (Formula presented), and (Formula presented) Mesons and Precise Measurement of Their Masses	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	136	2026	
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1259	Journal of High Energy Physics	Probing the flavour structure of dimension-6 EFT operators in multilepton final states in proton-proton collisions at $s=13$ TeV	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schwarz D.;Schöffbeck R.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	2026	2026	
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1260	Journal of High Energy Physics	Search for a new scalar resonance decaying to a Higgs boson and another new scalar particle in the final state with two bottom quarks and two photons in proton-proton collisions at TeV	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	2025	2025	
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1261	Physical Review D	Search for b-hadron decays to long-lived particles in the CMS endcap muon detectors	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Henao D.O.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette S.;Makarenko I.;Müller	113	2026	
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1262	Journal of High Energy Physics	Vector boson scattering and anomalous quartic couplings in final states with $\ell\nu q\bar{q}$ or $\ell\ell q\bar{q}$ plus jets using proton-proton collisions at $s=13$ TeV	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schwarz D.;Schöffbeck R.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	2026	2026	
1263	Physical Review B	Raman signature of multiple phase transitions and quasiparticle excitations in the putative Kitaev spin liquid candidate $\text{Na}_2\text{Co}_2\text{TeO}_6$	Chakkar A.G.;Auti C.B.;Kumar D.;Jana N.;Pal K.;Kumar P.	112	2025	1444171-14441714
1264	Physical Review B	Doping-induced canted ferromagnetism in pyrochlore titanate	Sahu D.;Pal K.;Palai D.;Maji P.K.;Samal D.;Sow C.	112	2025	

1265	Journal of High Energy Physics	Search for a heavy pseudoscalar Higgs boson decaying to a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons in proton-proton collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	
1266	Journal of Chemical Physics	Levy-Perdew-Sahni equation and its application to perform atomic calculations	Singh R.;Kumar A.;Harbola M.K.	163	2025	
1267	Applied Physics Letters	Transport evidence of topological surface states in PbBi ₆ Te ₁₀	Mudgal M.;Meena P.;Tiwari V.K.;Malik V.K.;Santo G.D.;Petaccia L.;Mahatha S.K.;Nayak J.	127	2025	

1268	Physics of Plasmas	Universal energy cascade and relaxation in three-dimensional inertial electron magnetohydrodynamic turbulence	Banerjee S.;Halder A.;Das A.	32	2025	
1269	Physical Review D	Matter dipole and Hubble tension due to large wavelength perturbations	Kashyap G.;Singh N.K.;Jain P.	112	2025	01-Dec
1270	Chemistry of Materials	Giant Coercivity and Spin-Valve Behavior of Mn ₂ IrGa: A Ferrimagnetic Spin Semimetal	Patel A.K.;Yenugonda V.;Bera A.;Samatham S.S.;Lakhani A.;Nayak J.;Krishnawarrier G S.;Alam A.	37	2025	8514-8520
1271	Physica B Condensed Matter	Investigation of the nature of magnetic order in van der Waals magnet Cr _{0.31} Ga _{0.68} Te _{2.23}	Jyoti ;Pandey S.;Mukhopadhyay S.;Hossain Z.	719	2025	
1272	Physical Review B	Skyrmion stripes in twisted double bilayer graphene	Giri D.;Mukherjee D.K.;Fertig H.A.;Kundu A.	112	2025	
1273	Physical Review E	Universal relations between parallel and perpendicular spectral power-law exponents in nonaxisymmetric magnetohydrodynamic turbulence	Sasmal R.;Banerjee S.	112	2025	
1274	Physical Review C	Resonant nuclear fusion at second order	Kumar H.;Jain P.	112	2025	
1275	Proceedings of the National Academy of Sciences of the United States of America	On the absence of the ultimate regime in turbulent thermal convection	Tiwari H.;Sharma L.;Verma M.K.	122	2025	
1276	Physical Review Fluids	Bursting of columnar structures in forced rotating turbulence	Das A.;Sharma M.;Ranjan A.;Verma M.K.	10	2025	0848031-08480319

1277	Nuclear Physics B	One loop thermal effective action	Chakraborty J.;Mohanty S.	1020	2025	
1278	Materials Today Physics	Cyclodextrin-mediated circularly polarized luminescence in achiral two-dimensional blue perovskites	Mandal T.N.;Mal S.;Das D.;Cho S.;Jana A.	59	2025	
1279	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	Classical string profile for a class of DDF amplitudes	Das D.;Mandal S.;Sarkar A.	870	2025	
1280	Journal of High Energy Physics	Search for dark matter produced in association with a Higgs boson decaying to a τ lepton pair in proton-proton collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	

1281	Journal of High Energy Physics	Search for top squarks in final states with many light-flavor jets and 0, 1, or 2 charged leptons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	
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1282	Physical Review Letters	Observation of (Formula presented) Production at the CMS Experiment	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	136	2026	
1283	Physical Review D	Gluon generalized transverse momentum dependent parton distributions and Wigner functions of the proton	Dipankar Chakrabarti; Bheemsehan Gurjar; Asmita Mukherjee; Kauship Saha		2025	
1284	2D Materials	Two-dimensional Ferroelectric materials and their applications	Ateeb Naseer; Amit Agarwal; Yogesh Singh Chauhan; Somnath Bhowmick		2025	

1285	Physical Review B	Spin-split magnon bands induce pure spin current in insulating <u>altermagnets</u>	Sankar Sarkar; Amit Agarwal		2025	
1286	New Journal of Physics	Light-induced nonlinear resonant spin magnetization	Sayan Sarkar; Sunit Das; Debottam Mandal; Amit Agarwal		2025	
1287	Journal of High Energy Physics	Boundary Carroll CFTs: SUSY and superstrings	Bagchi A.;Chakraborty S.;Chakraborty P.;Chatterjee R.;Pandit P.	2025	2025	
1288	Journal of High Energy Physics	Universal sectors of two-dimensional Carrollian CFTs	Aggarwal A.;Bagchi A.;Detournay S.;Grumiller D.;Riegler M.;Simón J.	2025	2025	

1289	Physical Review Letters	Search for New Physics in Jet Multiplicity Patterns of Multilepton Events at (Formula presented)	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	135	2025	
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1290	Physical Review D	Measurement of event shapes in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$ TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;DeMoor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	112	2025	
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1291	Journal of High Energy Physics	Search for a cH signal in the associated production of at least one charm quark with a Higgs boson in the diphoton decay channel in pp collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2025	2025	
1292	Physical Review D	Tagging ultraboosted jets at the FCC-hh using machine learning techniques	Bhattacharyya S.;Bhattacharjee B.;Bose C.;Chowdhury D.;Mukherjee S.	112	2025	Jan-43

1293	Journal of High Energy Physics	Study of same-sign W boson scattering and anomalous couplings in events with one tau lepton from pp collisions at TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem G.P.;Van Putte	2025	2025	
1294	Physical Review B	Interplay of phonons, intertwined density waves, and induced spin density wave in trilayer nickelates Pr _{4-x} La _x Ni ₃ O ₁₀	Deswal S.;Rout D.;Jana N.;Pal K.;Singh S.;Kumar P.	112	2025	2351511-2351511

1295	Journal of the American Chemical Society	Intrinsic Relaxor Ferroelectric Driven Ultralow Glassy Thermal Conductivity in AgPbSbSe ₃	Taneja V.;Semwal S.;Sarkar D.;Ahad A.;Bhakar M.;Dutta M.;Swain D.;Sheet G.;Pal K.;Waghmare U.V.;Biswas K.	147	2025	48361-48371
1296	Physical Review B	Concerted rattling-induced strong anharmonicity and phonon coherence lead to ultralow glasslike thermal conductivity in TlAgTe	Semwal S.;Xia Y.;Wolverton C.;Pal K.	112	2025	01-Aug
1297	Physical Review Applied	Strong acoustic phonon suppression leads to ultralow thermal conductivity and enhanced thermoelectric performance in BaCuGdTe ₃	Duhan J.;Wolverton C.;Pal K.	24	2025	
1298	Physical Review Applied	High-efficiency microwave photodetection by cavity-coupled double quantum dots with single-cavity-photon sensitivity	Subhomoy Haldar; Harald Havir; Waqar Khan; Drilon Zenelaj; Patrick P. Potts; Sebastian Lehmann; Kimberly A. Dick; Peter Samuelsson; Ville F. Maisi		2025	
1299	Journal of High Energy Physics	Holographic reflected entropy: islands and defect phases	Dey A.;Sengupta G.	2025	2025	
1300	Physical Review E	Prejudice-driven spite: A discontinuous phase transition in the ultimatum game	Patra A.;Zephania C.F.S.;Chakraborty S.	112	2025	
1301	Physical Review B	Rashba spin-orbit coupling and magnetic inhomogeneity in La _{0.7} Sr _{0.3} MnO ₃ /LaTiO ₃ (δ)/SrTiO ₃ (001) thin film heterostructures	Lal K.;Ghising P.;Samantaray B.;Hossain Z.	112	2025	

1302	Optical Materials	Enhancement of first-order diffraction efficiency from a low-index double-sided phase grating in transmission	De D.;Vijaya R.	169	2026	
1303	New Journal of Physics	Analogies between phase transitions in potential games and quantum phase transitions	Mukhopadhyay A.;Saha T.;Sur S.;Chakraborty S.	27	2025	
1304	Monthly Notices of the Royal Astronomical Society	Evolution of the 2021 outburst of GX 339–4 with AstroSat	Sharma V.;Misra R.;Yadav J.S.;Garg A.;Jain P.	546	2026	
1305	Physical Review Letters	Observation of Coherent (Formula presented) Meson Photoproduction in Ultraperipheral PbPb Collisions at (Formula presented)	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat	135	2025	

1306	Journal of High Energy Physics	Search for charged-lepton flavour violation in top quark interactions with an up-type quark, a muon, and a τ lepton in proton-proton collisions at TeV	Hayrapetyan A.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller D.;Tavernier S.;Tytgat M.;Van Onsem	2025	2025	
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1307	Physical Review Letters	Simultaneous Probe of the Charm and Bottom Quark Yukawa Couplings Using ttH Events	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	136	2026	
1308	ACS Photonics	Dynamically Stable Optical Trapping of Thermophoretically Active Janus Colloids	Sanatan Halder; Manas Khan		2026	
1309	IEEE Journal on Flexible Electronics	Fully Inkjet Printed Carbon Nanotube Thin-Film Transistors for Large-Area Flexible Backplanes	Choudhury P.K.;Manoranjan ;Mohapatra Y.N.	5	2026	65-74
1310	Physical Review B	Odd-parity longitudinal magnetoconductivity in time-reversal symmetry broken materials	Das S.;Adhikary A.;Sahani D.;Bid A.;Agarwal A.	113	2026	

1311	Physical Review B	Band geometry induced third-harmonic generation	Sarkar S.;Mandal D.;Agarwal A.	112	2025	
1312	Physical Review Fluids	Prandtl number dependence in turbulent compressible convection	Sharma L.;Pathak M.;Tiwari H.;Verma M.K.	10	2025	Jan-25
1313	Physical Review Fluids	Mathematical formulation of mode-to-mode energy transfers and energy fluxes in compressible turbulence	Singh D.;Tiwari H.;Sharma L.;Verma M.K.	10	2025	1146091-11460921
1314	Journal of High Energy Physics	Measurements of the inclusive W and Z boson production cross sections and their ratios in proton-proton collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Chatterjee S.;Damanakis K.;Dragicevic M.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöfbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2026	2026	

1315	Journal of Physical Chemistry Letters	Intrinsic Cool White-to-Deep Blue Emission in a Mechanically Tunable Zero-Dimensional Zirconium Halide Phosphor	Mal S.;Ubaid M.;Panigrahi K.;Mukherjee S.;Mukherjee G.D.;Pal K.;Bhattacharyya S.	17	2026	1045-1054
1316	Journal of Materials Chemistry C	Antipolar and short- and long-range magnetic ordering in quasi-two-dimensional AgCrP2S6	Auti C.B.;Chakkar A.G.;Semwal S.;Selter S.;Shemerliuk Y.;Büchner B.;Aswartham S.;Pal K.;Kumar P.	14	2026	3504-3515
1317	The Astrophysical Journal Letters	Probing the Large-scale Magnetic Field inside the Sun from Three Decades of Observed Surface Magnetograms	Soumyadeep Chatterjee; Gopal Hazra		2026	
1318	Physical Review B	Crystalline electric field and large anomalous Hall effect in the candidate topological material CeGaSi	Swami R.;Ram D.;V A.C.;Kanchana V.;Hossain Z.	112	2025	
1319	Chaos	Evolutionarily stable strategy in asymmetric games: Dynamical and information-theoretical perspectives	Kumar Dubey V.;Chakraborty S.;Patra A.;Chakraborty S.	36	2026	
1320	European Physical Journal C	Cosmological effect of coherent oscillation of ultralight scalar fields in a multicomponent universe	Saha P.;Dey D.;Bhattacharya K.	85	2025	
1321	Physical Review E	Prevention of the tragedy of the commons mediated by a noisy information channel	Mondal S.S.;Chakraborty S.	113	2026	
1322	Physical Review E	Bayesian tit-for-tat fosters cooperation in evolutionary stochastic games	Patra A.;Sengupta S.;Chakraborty S.	113	2026	

1323	Physical Review B	Current-induced spin-orbit torque and thermal effects in CoFe/Pt heterostructures via second and third harmonic Hall measurements	Kuila M.;Maharana B.;Samantaray B.;Hossain Z.	112	2025	01-Oct
1324	Materials Horizons	Photopolymerized helical acrylate networks enable stable and full-color circularly polarized luminescence in perovskite nanocrystals	Jana A.;Das D.;Mal S.;Mandal T.N.;Park Y.;Cho S.	13	2026	499-512
1325	ACS Nano	Fast and Sensitive On-Chip Homo/Heterodyne Detection for Terahertz Communication and Imaging	Pan X.;Zhang K.;Fan H.;Hu Z.;Wei Y.;Zhang Y.;Chen P.;Jiang M.;Wang X.;Huang Y.;Agarwal A.;Chen X.;Lu W.;Wang L.	20	2026	2258-2268
1326	Physics Letters Section B Nuclear Elementary Particle and High Energy Physics	From obstacle to opportunity: Uncovering the silver lining of pileup	Bhattacharjee B.;Kumar A.;Mukherjee S.;Sengupta R.;Sharma A.	873	2026	
1327	Macromolecular Bioscience	Preparation of Photoclick-Crosslinked Modular Gelrite Hydrogel: Tuning Physico-Chemical Characteristics, Cytocompatibility, In Vitro Cefixime Trihydrate Release, and Antimicrobial Properties	Keerthana E.R.L.;Parhi S.;Datti A.D.;Marimuthu M.;Ghosh P.;Mandal T.N.;Das D.	26	2026	

1328	European Physical Journal C	Search for resonances decaying to an anomalous jet and a Higgs boson in proton–proton collisions at $\sqrt{s}=13\sqrt{\text{TeV}}$	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Henao D.O.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D’Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette S.;Makarenko I.;Müller	86	2026	137-137
1329	International Journal of Hydrogen Energy	Efficacy of 50 Hz Half sine pulsed DC for alkaline water electrolysis: Outperforms steady DC in the plasma regime but not in the low-voltage regime	Nehra R.S.;Kumar A.;Lakesar S.S.;Rajeev K.P.;Pala R.G.S.	213	2026	

1330	Journal of Biological Chemistry	Differential activity of non-muscle myosin IIA and IIB isoforms generates a dynamic actomyosin network in a concentration-dependent manner	Saurabh Shrivastva; Debojit Chanda; Farmaanullah Ansari; Saadia Naseer; Manas Khan; Anita Roy		2026	
1331	Physical Review B	Electronic band structure and anisotropic dielectric response of PtS ₂ from angle-resolved photoemission spectroscopy, spectroscopic ellipsometry, and density functional theory: An indirect-gap hyperbolic van der Waals semiconductor	Dutta D.; Rosmus M.; Politano G.G.; Kuo C.N.; Rizza C.; D'Olimpio G.; Lue C.S.; Agarwal A.; Politano A.	113	2026	085407-085407-8
1332	Scipost Physics	Dynamical phases of higher dimensional Floquet CFTs	Das D.; Das S.R.; Kundu A.; Sengupta K.	20	2026	
1333	Physical Review D	Electroweak scalar effects beyond dimension-six in SMEFT	Adhikary N.; Biswas T.; Chakraborty J.; Englert C.; Spannowsky M.	113	2026	036003-036003-40
1334	General Relativity and Gravitation	Dynamical Systems Approach to Non-Slow-Roll Inflationary Models	Biswas S.; Hussain S.; Bhattacharya K.	58	2026	
1335	Physical Review Applied	Magnon-driven stochastic spin Hall nano-oscillators	Gupta A.K.; Sabir M.S.; Manna S.; Chakraborty S.; Mohan J.R.; Fukuma Y.; Medwal R.	25	2026	

1336	Physical Review Applied	Observation of tunable discrete-time-crystalline phases	Sarkar A.;Anurag ;Mondal J.A.;Singh R.;Makki A.A.;Rathi A.K.;Nicholl R.J.T.;Chakraborty S.;Bolotin K.I.;Ghosh S.	25	2026	
1337	Physical Review B	Reply to “Comment on ‘Positive exchange bias and inverted hysteresis loop in Y3Fe5O12/Gd3Ga5O12’”	Kumar R.;Lal K.;Sarangi S.N.;Samal D.;Hossain Z.	113	2026	
1338	Monthly Notices of the Royal Astronomical Society	Probing the morphology of the Gum Nebula through pulsar observables and a novel distance estimation method	Kumar A.;Deshpande A.A.;Jain P.	546	2026	

1339	Journal of High Energy Physics	Search for nonresonant new physics signals in high-mass dilepton events produced in association with b-tagged jets in proton-proton collisions at TeV	Chekhovsky V.;Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J.W.;Benato L.;Bergauer T.;Damanakis K.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Mikulec I.;Schieck J.;Schöffbeck R.;Schwarz D.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Lowette S.;Makarenko I.;Müller	2026	2026	
1340	Physical Review Letters	Measurement of (Formula presented) Meson Photoproduction in Ultraperipheral Heavy Ion Collisions		136	2026	

1341	Journal of High Energy Physics	Model-independent measurement of the Higgs boson associated production with two jets and decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV	Hayrapetyan A.;Makarenko V.;Tumasyan A.;Adam W.;Andrejkovic J. W.;Benato L.;Bergauer T.;Dragicevic M.;Giordano C.;Hussain P.S.;Jeitler M.;Krammer N.;Li A.;Liko D.;Matthewman M.;Mikulec I.;Schieck J.;Schwarz D.;Schöffbeck R.;Shooshtari M.;Sonawane M.;Waltenberger W.;Wulz C.E.;Janssen T.;Kwon H.;Ocampo Henao D.;Van Laer T.;Van Mechelen P.;Bierkens J.;Breugelmans N.;D'Hondt J.;Dansana S.;De Moor A.;Delcourt M.;Heyen F.;Hong Y.;Kashko P.;Lowette	2026	2026	
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1342	Physical Review B	Tunable exchange bias in Y3Fe5O12 film on Gd3Ga5O12	Umesh Chandra Thuwal; Sumanta Maity; Rukshana Pervin; Rohit Medwal; Joseph Vimal Vas; Yasuhiro Fukuma; Hervé Courtois; Clemens B. Winkelmann; Anjan Kumar Gupta		2026	
1343	Langmuir	Adhesion Study of Complementary Rough Surfaces of the PDMS Elastomer	Susheel Kumar; Krishnacharya Khare; Manjesh Kumar Singh		2026	
1344	Soft Matter	Finite size scaling of spinodal suppression in confined blends of strongly segregating polymers	Pankaj Mahawar; Parth Pandya; Sivasurender Chandran		2026	
1345	Physical Review B	Symmetry-driven intrinsic nonlinear pure spin Hall effect	Sayan Sarkar; Sunit Das; Amit Agarwal		2026	
1346	Physical Review D	3D stress tensor for gravity in 4D flat spacetime	Arjun Bagchi; Prateksh Dhivakar; Sudipta Dutta		2026	
1347	Physical Review Applied	Data-driven discovery of high-performance quaternary chalcogenide photovoltaics	Nikhil Singh; Mohammad Ubaid; Pabitra Kumar Nayak; Jiangang He; Dibyajyoti Ghosh; Chris Wolverton; Koushik Pal		2026	
1348	Physical Review Applied	Noise-resilient imaging through coherence filtering	Mohta P.; Moliya K.; Nag A.; Aarav S.; Jha A.K.	25	2026	

1349	Journal of Cosmology and Astroparticle Physics	Partial tidal disruption of white dwarfs in off-equatorial orbits around Kerr black holes	Mahapatra A.;Pandey A.;Garain D.;Sarkar T.	2026	2026	
1350	Nature Electronics	An all-in-one Hall rectenna with a bandwidth over 100 GHz	Hu Z.;Pan X.;Ahammed R.;Zhang Z.;Wang F.;Yin B.;Zhang L.;Wang D.;Wei Y.;Fei F.;Wang Z.;Ye L.;Wu X.;Song F.;Xu Y.;Lu W.;Agarwal A.;Wang L.;Chen X.;Hu W.	9	2026	140-151

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1351	Nature Communications	Isolated iridium oxide sites on modified carbon nitride for photoreforming of plastic derivatives	Kumar P.;Zhang H.;Yohannes A.G.;Wang J.;Shayesteh Zeraati A.;Roy S.;Wang X.;Kannimuthu K.;Askar A.M.;Miller K.A.;Ling K.;Adnan M.;Hung S.F.;Ma J.J.;Huang W.H.;Trivedi D.;Molina M.;Zhao H.;Martí A.A.;Leontowich A.F.G.;Shimizu G.K.H.;Sinton D.;Adachi M.M.;Wu Y.A.;Ajayan P.M.;Siahrostami S.;Hu J.;Kibria M.G.	16	2025	
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1352	Nature Communications	Electro-activated indigos intensify ampere-level CO ₂ reduction to CO on silver catalysts	Li Z.;Li X.;Wang R.;Campos Mata A.;Gerke C.S.;Xiang S.;Mathur A.;Zhang L.;Lin D.Z.;Li T.;Jayarapu K.N.;Liu A.;Gupta L.;Frenkel A.I.;Thoi V.S.;Ajayan P.M.;Roy S.;Liu Y.;Liu Y.	16	2025	
1353	Nature Energy	Direct air capture of CO ₂ for solar fuel production in flow	Kar S.;Kim D.;Bin Mohamad Annuar A.;Sarma B.B.;Stanton M.;Lam E.;Bhattacharjee S.;Karak S.;Greer H.F.;Reisner E.	10	2025	448-459
1354	ACS Nano	Reversible Alkaline Sulfur Cathode Based on Six-Electron Electrochemistry for Advanced Aqueous Sulfur Batteries	Guo Y.;Chen Y.;Lim G.J.H.;Zhu S.;Lekina Y.;Cai Y.;Verma V.;Chan K.K.;Lim J.J.N.;Tang E.J.J.;Kidkhunthod P.;Wong M.W.;Huang Y.;Shen Z.X.;Srinivasan M.	19	2025	15522-15536

1355	Nature Communications	Ampere-level co-electrosynthesis of formate from CO ₂ reduction paired with formaldehyde dehydrogenation reactions	Li Z.;Wang P.;Han G.;Yang S.;Roy S.;Xiang S.;Jimenez J.D.;Kondapalli V.K.R.;Lyu X.;Li J.;Serov A.;Li R.;Shanov V.;Senanayake S.D.;Frenkel A.I.;Ajayan P.M.;Sun Y.;Senftle T.P.;Wu J.	16	2025	
1356	Journal of Materials Chemistry A	Surface amorphized in situ RuO-NiFeOOH/Au islands for electrocatalytic oxygen evolution reaction	Kannimuthu K.;Kumar P.;Gakhad P.;Shiran H.S.;Wang X.;Shayesteh Zeraati A.;Kumaravel S.;Nabil S.K.;Vinodh R.;Al Bari M.A.;Molina M.;Shimizu G.;Wu Y.A.;Ajayan P.M.;Singh A.K.;Roy S.;Kibria M.G.	13	2025	18900-18910
1357	Electric Power Systems Research	Coordination of distance and positive sequence voltage-restrained overcurrent relays for protection of distribution systems with PV plants	Mishra P.;Pradhan A.K.;Bajpai P.	242	2025	

1358	Future Batteries	Enhanced monoclinic sulfur loading on carbon fiber matrices for Li-S battery cathodes via a chemical activation pathway	Joseph Nishanth;Jyoti Shikhar;Mohammed Saquib Khan;Swati Sharma;Kanwar Singh Nalwa;Sudarshan Narayanan		2025	
1359	ACS Applied Nano Materials	A Silver-Chalcogenide Nanomaterial Enveloped with a Carborane-Thiolate Shell for the Electroreduction of CO ₂ to CO	Jana A.;Li Z.;Kini A.R.;Yadav V.;Nair A.S.;Campos Mata A.;Wu J.;Macháček J.;Base T.;Pathak B.;Roy S.;Pradeep T.	8	2025	13754-13762
1360	Advanced Functional Materials	Reinforced Chitosan Polymer Electrolyte for Long-Life and Robust Laminated Li-Zn Structural Batteries	Lim G.J.H.;Koh J.J.;Chan K.K.;Koh X.Q.;Jintara P.;Sutrisnoh N.A.A.;Verma V.;Raju K.;Kidkhunthod P.;Srinivasan M.	35	2025	
1361	Energy Storage	RuO ₂ -Modified Sulfurized Polyacrylonitrile Composite Cathodes for Sodium-Sulfur Batteries With Enhanced Electrochemical Performance	Nishanth J.;Khan M.S.;Manish ;Singh M.D.;Nalwa K.S.;Narayanan S.	7	2025	

1362	Chemsuschem	Polymer Derived and Ni-Single Atom Doped Carbon Nanofibers for CO ₂ Capture and Electroreduction to CO	Shilpa S.;Yuan F.;Li Z.;Dahiya P.;Mata A.C.;Yadav R.M.;Gao G.;Hung S.F.;Khan S.A.;Wu J.;Rahman M.M.;Roy S.	18	2025	
1363	Electrical Engineering	Sensorless limp-home mode control of PMSM-driven electric vehicle using quasi-proportional resonant controller MRAS speed estimator	Kakodia S.K.;Dyanamina G.	107	2025	10763-10775
1364	IEEE Transactions on Artificial Intelligence	Implementation of FPGA-Based Neural Network Controller for Reducing Speed Ripple for a PMSM-Driven EV Using MRAS Speed Estimator	Kakodia S.K.;Dyanamina G.	7	2026	684-695
1365	European Journal of Organic Chemistry	Ni(OAc) ₂ Catalyzed N-Formylation of Primary Sulfonamides Using Carbon Dioxide at Ambient Pressure			2025	
1366	Polymer	Designing fluorocarbon-based polymeric electrolytes with high cationic transference number for all-solid-state sodium-ion batteries	Nelofer ;Gupta V.;Singh K.;Dinachandra Singh M.;Nalwa K.S.;Narayanan S.;Sarkar R.	340	2025	
1367	Nature Reviews Materials	Graphite: the new critical mineral	Bhattacharyya S.;Roy S.;Lin X.;Campagnol N.;Vlad A.;Ajayan P.M.	11	2026	65-78

1368	Chemsuschem	Tailoring Polymeric Binder of Permselective Gas Diffusion Electrode for Low-Concentration CO2 Electrolysis	Shiran H.S.;Nabil S.K.;Al-Attas T.;Kannimuthu K.;Roy S.;Kibria M.G.	18	2025	
1369	APL Electronic Devices	Tunable insulator–metal transition in VO2-based nanocomposite thin films via strain and defect engineering			2026	
1370	IEEE Journal of Emerging and Selected Topics in Industrial Electronics	Small Signal Modeling and Close-Loop Controller Design of a Current-Fed Three-Level Dual Active Bridge DC-DC Converter With an Auxiliary Inductor for Energy Storage System	Sengarap S.;Kashta D.;Bajpai P.		2026	
1371	Journal of Pure and Applied Microbiology	Textile Dye Biosorption and Decolourization using a Novel Biocomposite of Luffa Sponge Immobilized Escherichia fergusonii KD01 and Staphylococcus epidermidis KSD02	De K.;Pal D.;Maji P.;Roy S.;Das B.;Bhowmick S.	20	2026	831-847

Space, Planetary & Astronomical Sciences & Engineering

1372	Astrophysical Journal Supplement Series	VCLASS-based Survey of Transition State Galaxies and Their Relationship to Compact Peaked-spectrum Radio Sources	Kunert-Bajraszewska M.;Krauze A.;Kimball A.E.;Stawarz Ł.;Kharb P.;Stern D.;Mooley K.;Nyland K.;Kozieł-Wierzbowska D.	277	2025	
1373	Monthly Notices of the Royal Astronomical Society	The late-time afterglow of GW170817 and implications for jet dynamics	Katira A.;Mooley K.P.;Hotokezaka K.	539	2025	2654-2664

1374	Astrophysical Journal Letters	VLT/ERIS Observations of the V960 Mon System: A Dust-embedded Substellar Object Formed by Gravitational Instability?	Dasgupta A.;Zurlo A.;Weber P.;Maio F.;Cieza L.A.;Fedele D.;Garufi A.;Miley J.;Pathak P.;Pérez S.;Roccatagliata V.	988	2025	
1375	Monthly Notices of the Royal Astronomical Society	Origin of the ~150 kpc radio filament in galaxy ESO 137-006	Alam T.;Mooley K.P.;Sarkar K.C.	542	2025	1465-1476
1376	Monthly Notices of the Royal Astronomical Society	Galactic X-ray transients in the first eROSITA all sky survey	Maan V.;Katira A.;Mooley K.P.	544	2025	885-910
1377	Astrophysical Journal	Thermal Electrons in the Radio Afterglow of Relativistic Tidal Disruption Event ZTF22aaajecp/AT 2022cmc	Rhodes L.;Margalit B.;Bright J.S.;Dykaar H.;Fender R.;Green D.A.;Haggard D.;Horesh A.;Van der Horst A.J.;Hughes A.K.;Mooley K.;Sfaradi I.;Titterington D.;Williams-Baldwin D.	992	2025	