S/n	Physics_Faculty	Title of Publication	Journal	Publisher	Author	Volume	Issue	Page	DOI	Impact Factor	Quartile(WOS)	Indexed In	Month of Publication	Year of Publication
1	**Sanjay Kumar Sinha**	Formation of TiN protective layer at 500 C for enhanced oxidation resistance of IMI 834 titanium alloy in aerospace engine applications	Ceramics International	Elsevier	Sudarsan Das, Smit Anand, Priti A Vishwakarma, Reetik Singh, Sanat Kumar Mukherjee, Sanjay Kumar Sinha, Ranbir Kumar, Deep Shikha, Ashwin Kale, Umesh Mahtre, Sunil Ojha, GR Umapathy, Mukul Gupta	51	27	53508-53518	https://doi.org/10.1016/j.ceramint.2025.09.098	5.6	Q1	SCI/SCIE	November	2025
2		High Antioxidant Activity, Enhanced Cytocompatibility, Improved Apatite Formation, and Moderate Thrombogenicity of Copper-Doped Hydroxyapatite Attributed to Structural Changes ...	BioNanoScience	Springer US	Ranbir Kumar, Ullas Topno, Deep Shikha, Smit Anand, Sanjay Kumar Sinha, Paresh Kumar Mohanty, Sanjay Mhaske	15	3	323	https://doi.org/10.1007/s12668-025-01984-6	3.2	Q3	SCI/SCIE	May	2025
3		Structural, Mechanical, Electrical, Thermal, Corrosion, and Cytotoxicity of Butea monosperma-Doped Hydroxyapatite for Hard Orthopedic Implants	ChemistrySelect	Wiley-VCH GMBH	S K Sinha Smit Kumar	10	32	1-13, e01580	https://doi.org/10.1002/slct.202501580	2.1	Q3	SCI/SCIE		2025
4		Synthesis and antioxidant applications of silver oxide nanoparticles via Kniphofia foliosa extract	Next Research	Elsevier	Semagn Abate, Sisay Awoke Endalew, Belete Tesfaw Abebaw, Ranbir Kumar, Sanjay Mashke, Deep Shikha, Sanjay Kumar Sinha	2	2	100239	https://doi.org/10.1016/j.nexres.2025.100239			Non SCI/SCIE, Non Scopus	June	2025
5		Integration of 3% silver-doped hydroxyapatite coated on alumina using radio frequency magnetron sputtering for superior bioactivity, mechanical and electrical properties, and ...	ACS Biomaterials Science & Engineering	American Chemical Society	Ranbir Kumar, Deep Shikha, Smit Anand, Sanjay Kumar Sinha, Paresh Kumar Mohanty, Sanjay Mhaske, Abhinandan Kumar, Arkadeb Mukhopadhyay	11	5	2622-2638	https://doi.org/10.1021/acsbiomaterials.4c02471	5.5	Q2	SCI/SCIE	April	2025
6		Assessment of antioxidant activity, thrombogenicity and MTT assay of bioceramic phosphate as a biomaterial	Journal of the Australian Ceramic Society	Springer Nature Singapore	Ranbir Kumar, Deep Shikha, Sanjay Kumar Sinha, José R Guerra-López, Neda Aboudzadeh	61	1	333-343	https://doi.org/10.1007/s41779-024-01083-x	2.1	Q2	SCI/SCIE	March	2025
7		Effects of sintering temperature on the microstructure, microhardness, and corrosion resistance of hydroxyapatite	Journal of Materials Engineering and Performance		Sanjay Kumar Sinha Divya Rai, Anuradha Mahanty, Ranbir Kumar, Deep Shikha*, Smit Anand	34		21755–21763	https://doi.org/10.1007/s11665-025-10819-0	2.9	Q3	SCI/SCIE	January	2025
8	**Rajeev Kumar Sinha**	Dielectric property analysis of supramolecular systems of nematic-smectic hydrogen bonded mixtures	Journal of Molecular Liquids	Elsevier	MK Sonali, Poornima Bhagavath, Rajeev K Sinha, P Preethi Kumari, GV Varshini, Jaisas Jeni P Chandran, S Sumana	434		128005	https://doi.org/10.1016/j.molliq.2025.128005	5.2	Q1	SCI/SCIE	September	2025

9		Synthesis and photophysical studies of new fluorescent naphthalene chalcone	Scientific Reports	Nature Publishing Group UK	Raksha CH, Yogeesh M, Rajeev K Sinha, Nitinkumar S Shetty	15	1	31714	https://doi.org/10.1038/s41598-025-17566-1	3.9	Q1	SCI/SCIE	August	2025
10		Effect of nanoparticle density on the kinetics of SPP-assisted plasmonic assembly	Scientific Reports	Nature Publishing Group UK	Kethahalli Shivappa Mahadeva Prasad, Rajeev K Sinha, Aswini Kumar Mohapatra, Aseefhali Bankapur	15	1	28545	https://doi.org/10.1038/s41598-025-14058-0	3.9	Q1	SCI/SCIE	August	2025
11		Unraveling Structural and Anticancer Properties of Pyridine-Oxadiazole Derivatives: Single-Crystal XRD, Hirshfeld Analysis, and Cytotoxicity against A549 Cells	ACS omega	American Chemical Society	Yogeesha N Nayak, Deepika Dwarakanath, Keerthana Suresh Kizhakkanoodan, Rajeev K Sinha, K Sreedhara Ranganath Pai, Bharath Raja Guru, Santosh L Gaonkar	10	22	23549-23562	https://doi.org/10.1021/acsomega.5c02152	4.3	Q2	SCI/SCIE	June	2025
12		Shape-controlled synthesis and bulk refractive index sensitivity studies of gold nanoparticles for LSPR-based sensing	Plasmonics	Springer US	Rajeev K Sinha	20	3	1351-1364	https://doi.org/10.1007/s11468-024-02387-1	4.3	Q2	SCI/SCIE	March	2025
13		Mixed ionic-electronic conductivity in ZnO doped tunable soft materials	Discover Applied Sciences	Springer International Publishing	MK Sonali, Suresh D Kulkarni, Prinston Maelroy Lewis, Yuriy Garbovskiy, S Sandeep, Rajeev K Sinha, Poornima Bhagavath	7	2	138	https://doi.org/10.1007/s42452-025-06559-4	0		SCI/SCIE	February	2025
14		Novel coumarin-substituted cyclophosphazene as a fluorescent probe for highly selective detection of 2, 4, 6-trinitrophenol	ACS omega	American Chemical Society	Ishanki Sharma, Rajeev Kumar Sinha, Suranjan Shil, Shruti Rani, NV Anil Kumar	10	6	5312-5323	https://doi.org/10.1021/acsomega.4c05306	4.3	Q2	SCI/SCIE	February	2025
15	**Sunita Keshri**	Critical behavior and magnetocaloric properties of (0.5) Co0. 7Zn0. 3Fe2O4/(0.5) La0. 67Sr0. 23K0. 10MnO3 nanocomposite	Journal of Solid State Chemistry	Academic Press	Sunita Keshri, Manoj Kumar Rout, Piotr Wiśniewski	348		125354	https://doi.org/10.2139/ssrn.5047703	3.5	Q1	SCI/SCIE	August	2025
16		Estimation of band gap energy and detection of electronic transitions in UV–visible spectrum of Co4Nb2O9	Materials Letters	North-Holland	Parthasarathi Mohanty, Sunita Keshri	390		138409	https://doi.org/10.1016/j.matlet.2025.138409	2.7	Q3	SCI/SCIE	July	2025
17		Enhancement of magnetization with sintering temperature for the perovskite manganite La0. 67Sr0. 33MnO3	Physica B: Condensed Matter	North-Holland	Sonali Biswas, Sunita Keshri	700		416927	https://doi.org/10.1016/j.physb.2025.416927	2.8	Q2	SCI/SCIE	March	2025
18	**R. K. Paul**	Estimation of and y distortions in the cosmic microwave background with COBE/FIRAS data	Experimental Astronomy	Springer Netherlands	Somita Dhal, Koustav Konar, RK Paul	60	3	1 to 19	https://doi.org/10.1007/s10686-	2.2	Q2	SCI/SCIE	December	2025
19		Reconstruction of local emissivity profile from line integrated data using Abel transform	Review of Scientific Instruments	AIP Publishing	Apoorv Tiwari, Somita Dhal, R. K. Paul	96	3		https://doi.org/10.1063/5.0242943	1.7	Q3	SCI/SCIE	March	2025

20	**Kingshuk Bose**	Study of nonlinear optical behaviour in pure and brilliant green dye-doped potassium aluminium sulfate dodecahydrate (KAS) single crystals	Journal of Materials Science: Materials in Electronics	Springer US	Ashish Mehta, Kingshuk Bose	37	1	71	https://doi.org/10.1007/s10854-025-16487-z	2.8	Q2	SCI/SCIE	January	2026
21		Self-phase-modulation of non-Gaussian pulses in multiple quantum wells by a tunneling mechanism	Physical Review A	American Physical Society	Rohit Mukherjee, Nitu Borgohain, Rohit Hazra, Kingshuk Bose, Arindam Kumar Chatterjee	112	1	13537	https://doi.org/10.1103/8vqj-rvsh	2.9	Q2	SCI/SCIE	July	2025
22		Nonlinear optical properties study of pure and brilliant green dye-doped bis (Thiourea) cadmium acetate single crystals	Journal of Nonlinear Optical Physics & Materials	World Scientific Publishing Company	Ashish Mehta, Kingshuk Bose			2550014	https://doi.org/10.1142/s0218863525500146	2.3	Q3	SCI/SCIE	March	2025
23	**Sourabh Lahiri**	Two and three-state quantum heat engines with stochastic resetting	J. Phys. A: Math. Theor. 58, 415002 (2025)		Ashutosh Kumar, Sourabh Lahiri, Trilochan Bagarti, Subhashish Banerjee	58		415002	https://doi.org/10.1088/1751-8121/ae0bcc	2.1	Q2	SCI/SCIE	October	2025
24		Microscopic heat engines with hydrodynamic flow	Physical Review E	American Physical Society	PS Pal, Sourabh Lahiri, Arnab Saha	112	4	44145	https://doi.org/10.1103/6dyx-2h1b	2.4	Q1	SCI/SCIE	October	2025
25	**Sanat Kumar Mukherjee**	Multifunctional epoxy-based composites: Integrating graphene, zinc, and silicon dioxide for superior mechanical and corrosion performance	Polymer Degradation and Stability	Elsevier	Reetik Singh, Sanat Kumar Mukherjee			111904	https://doi.org/10.1016/j.polymdegradstab.2025.111904	7.4	Q1	SCI/SCIE	December` `	2025
26		First-principles investigations of structural, elastic, electronic, and optical properties of silicon-doped TiO2 for photovoltaic applications	Molecular Physics	Taylor & Francis	Prakash Kumar Moharana, Debidatta Behera, Maya Devi, Bidhubhusan Sahu, Sanat Kumar Mukherjee	123	17	e2454971	https://doi.org/10.1080/00268976.2025.2454971	1.8	Q3	SCI/SCIE	September	2025
27		DFT Calculation of Physical Properties for Performance Comparison of Electrothermal Actuators Made of Polysilicon and FeAsNb Alloy	Physics of the Solid State	Pleiades Publishing	A Bouaricha, S Kadri, R Amraoui, A Boumaza, A Belkhiri, M Tourab, FEZ Rahmaoui, D Behera, SK Mukherjee	67	9	821-834	https://doi.org/10.1134/s1063783425601729	1.8	Q3	SCI/SCIE	September	2025
28		Cobalt-molybdenum (CoMo) thin films: Unveiling structural, electronic, and magnetic insights via experimental and theoretical approaches	MRS Advances	Springer International Publishing	Zakia Fekih, Atika Guendouz, Abdelkader Nebatti Ech-Chergui, Sanat Kumar Mukherjee, Debidatta Behera, Bouhalouane Amrani	10	12	1473-1478	https://doi.org/10.1557/s43580-024-01005-w	N/A		scopus Indexed	September	2025
29		Re-designing lead-free halide perovskite $RbSnF_3$: structural and electronic band gap modifications induced by Indium doping using density functional theory	Optical and Quantum Electronics	Springer US	Merve Özcan, Debidatta Behera, Aiswarya Priyambada, Sanat Kumar Mukherjee	57	8	458	https://doi.org/10.1007/s11082-025-08327-5	4	Q1	SCI/SCIE	July	2025

30		Novel electrochemical enzyme-free sensor based on bimetallic zinc-copper MOF@ graphite rod for the detection of cholesterol in milk sample	Microchemical Journal	Elsevier	Km Shivangee Kushwaha, Baban Dey, Md Wasi Ahmad, Asad Syed, Ling Shing Wong, Reetik Singh, Sanat Kumar Mukherjee, Duck-Joo Yang, Arup Choudhury	212		113550	https://doi.org/10.1016/j.microc.2025.113550	5.1	Q1	SCI/SCIE	May	2025
31		Atmospheric plasma treatment for improved epoxy coating performance on aluminium alloys	Surface Engineering	SAGE Publications	Reetik Singh, Sanat Kumar Mukherjee	41	4	479-491	https://doi.org/10.1177/02670844251332185	2.6	Q3	SCI/SCIE	April	2025
32		Enhancing primer performance: A study of graphene blending percentage and its effects on corrosion resistance, mechanical strength, and wettability	Journal of Alloys and Compounds	Elsevier	Reetik Singh, Abhinandan Kumar, Arkadeb Mukhopadhyay, SS Mahapatra, Jehan Y Al-Humaidi, A Choudhury, SK Mukherjee, Mohammed M Rahman	1020		179359	https://doi.org/10.1016/j.jallcom.2025.179359	6.3	Q1	SCI/SCIE	March	2025
33		First-principles investigation of structure, electronic and optical properties of newly synthesized double perovskite Nd2FeTiO6 for optoelectronic applications	Processing and Application of Ceramics		Mrityunjay Kumar, Rahul K Singh, Sanat K Mukherjee, Sumit K Roy	19	4	359-366	https://doi.org/10.2298/PAC2504359K			Scopus indexed		2025
34		Tailoring the structural, elastic, electronic, and optical properties of TiO 2 via carbon doping: a first-principles study	New Journal of Chemistry	Royal Society of Chemistry	Prakash Kumar Moharana, Debidatta Behera, Rituparna Deo, Maya Devi, Bidhubhusan Sahu, Sanat Kumar Mukherjee	49	34	14638-14645	https://doi.org/10.1039/d5nj00878f/v2/review2	2.5	Q3	SCI/SCIE		2025
35	**Madhu Priya**	Dynamical properties of a pinned glass former with increasing softness	Physics of Fluids	AIP Publishing	Saumya Suvarna, Madhu Priya, Prabhat K Jaiswal	37	7		https://doi.org/10.1063/5.0277764	4.3	Q1	SCI/SCIE	July	2025
36		Particle size disparity driven surface morphology in polydisperse mixtures	Surface Engineering	SAGE Publications	Shuvalaxmi Das, Madhu Priya	41	6		https://doi.org/10.1177/02670844251356727	2.6	Q3	SCI/SCIE	June	2025
37		Graph neural network for prediction of phase-ordering kinetics	Chaos: An Interdisciplinary Journal of Nonlinear Science	AIP Publishing	Vijay Yadav, Madhu Priya, Manish Dev Shrimali, Prabhat K Jaiswal	35	6		https://doi.org/10.1063/5.0273728	3.2	Q1	SCI/SCIE	June	2025
38		Atypical Violation of the Stokes–Einstein Relation in a Dense Binary Lennard-Jones Mixture	JETP Letters	Pleiades Publishing	Sh Das, M Priya	121	3	205-213	https://doi.org/10.1134/s0021364024603038	1.3	Q3	SCI/SCIE	February	2025

39	**Rajyavardhan Ray**	Electronic structure fingerprints of visible range excitons in d0 double perovskite oxides	Physica B: Condensed Matter	North-Holland	Bhagyashree Behera, Debatri Ash, Urmimala Dey, MK Roy, Pritha Patra, K Annapurna, SK Rout, Ajay K Himanshu, Rajyavardhan Ray			417666	https://doi.org/10.2139/ssrn.5347023	2.8	Q2	SCI/SCIE	August	2025
40	**Ela Rout**	Crystallographic investigation of scheelite-and wolframite-type molybdates	Ceramics International	Elsevie	Manaswita Patnaik, Pritam Yadav, Ashok Kumar Yadav, Ela Rout	51	21	33502-33515	https://doi.org/10.1016/j.ceramint.2025.05.081	5.6	Q1	SCI/SCIE	September	2025
41		Electrical and electrochemical properties of Nb5+ doped Ba0. 7Sr0. 3Fe1-xO3-δ cathode for intermediate temperature solid oxide fuel cells	International Journal of Hydrogen Energy	Pergamon	Gayatri Dash, Bibek Kumar Sonu, Jakkampudi Chandrika, Swdesh Kumar Pratihar, Sunil Kumar, Ela Rout	155		150291	https://doi.org/10.1016/j.ijhydene.2025.150291	8.3	Q1	SCI/SCIE	August	2025
42		Proton–polaron and energy landscape among acceptor doped ACeO 3 (A= Ba 2+, Sr 2+, Ca 2+, Mg 2+) proton conductors: a first principles approach	Physical Chemistry Chemical Physics	Royal Society of Chemistry	D Vignesh, Ela Rout	27	16	8435-8456	https://doi.org/10.1039/d5cp00474h	2.9	Q2	SCI/SCIE		2025
43	**Anupam Roy**	Molybdenum Disulfide Nanomaterials for Generating or Depleting Reactive Oxygen Species: Recent Development and Prospects in Biomedical Applications	Small	Wiley	Paromita Chowdhury, Anupam Roy, Santanu Ghosh	21	38	e06450	https://doi.org/10.1002/smll.202506450	12.1	Q1	SCI/SCIE	September	2025
44		CBRAM based on CVD-grown MoSe2 with the coexistence of volatile and non-volatile resistive switching	Journal of Applied Physics	AIP Publishing	Siyu Wu, Jatin V Singh, Ryan Schalip, SS Teja Nibhanupudi, Anupam Roy, Sanjay K Banerjee	138	3	35101	https://doi.org/10.1063/5.0248966	2.5	Q3	SCI/SCIE	July	2025
45		Ambient Condition Etching of 2D-MoS2 Domains Grown via Chemical Vapor Deposition: Coexistence of Anisotropic 1D and Fractal Etching	The Journal of Physical Chemistry C	American Chemical Society	Rohit Kumar Mahto, Anupam Roy	129	27	12641-12649	https://doi.org/10.1021/acs.jpcc.5c03341	3.2	Q3	SCI/SCIE	June	2025
46		Two superconducting thin films systems with potential integration of different quantum functionalities	Materials for Quantum Technology	IOP Publishing	Snehal Mandal, Biplab Biswas, Suvankar Purkait, Anupam Roy, Biswarup Satpati, Indranil Das, BN Dev	5	2	26001	https://doi.org/10.1088/2633-4356/add983	3.6	Q2	SCI/SCIE	June	2025

47		Enhancing chemical vapor deposition growth and fabrication techniques to maximize hole conduction in tungsten diselenide for monolithic CMOS integration	Journal of Vacuum Science & Technology A	AIP Publishing	Jatin Vikram Singh, Matthew N Disiena, SS Nibhanupudi, Nicholas T Watanabe, JaeHyun Ahn, Dong-Won Kim, Anupam Roy, Sanjay K Banerjee	43	2		https://doi.org/10.1116/6.0003893	2.1	Q3	SCI/SCIE	March	2025
48		Effect of UHV annealing on morphology and roughness of sputtered Si (1 1 1)-(7× 7) surfaces	Journal of Crystal Growth	Science Direct (Elsevier)	Jagadish Chandra Mahato, Anupam Roy, Rajib Batabyal, Debolina Das, Rahul Gorain, Tuya Dey, BN Dev	653		128055	https://doi.org/10.1016/j.jcrysgro.2025.128055	2	Q2	SCI/SCIE	March	2025
49	**Rishi Sharma**	Tribological study of MoS2-based composite coating on steel surface	Surface Engineering	SAGE Publications	Sanat Kumar, Rishi Sharma	41	10 to 12	1036-1044	https://doi.org/10.1177/02670844251380472	2.6	Q3	SCI/SCIE	October	2025
50		Corrosion and charge transfer dynamics of ITO-coated-PET/graphite-substrates with polyaniline/PMMA gel-electrolytes	Surface Engineering	SAGE Publications	Neha Chakraborty, Rishi Sharma	41	7	807-817	https://doi.org/10.1177/02670844251365891	2.6	Q3	SCI/SCIE	August	2025
51		Bioprinted Scaffolds for Biomimetic Applications: A State-of-the-Art Technology	Biomimetics	MDPI	Ille C Gebeshuber, Sayak Khawas, Rishi Sharma, Neelima Sharma	10	9	595	https://doi.org/10.3390/biomimetics10090595	3.9	Q1	SCI/SCIE	September	2025
52		Near room temperature magnetic entropy change and unconventional critical behavior in Pr-doped lanthanum-based manganites	Materials Science in Semiconductor Processing	Elsevier	Sibasish Mandal, Sipun Mohanty, Rishi Sharma, Samrat Mukherjee	200		109997	https://doi.org/10.1016/j.mssp.2025.109997	4.6	Q2	SCI/SCIE	December	2025
53		Ti-Al-doped MoS2 coatings on M50 steel for superior tribological applications	Surface Engineering	SAGE Publications	Satyam Upadhyay, Bashudeb Praka	41	6	664–673	https://doi.org/10.1177/02670844251356730	2.6	Q3	SCI/SCIE	July	2025
54		Superlubricant behaviour of HF-CVD grown nanocrystalline diamond film	Surface Engineering	SAGE Publications	V Kumar, R Sharma, M Roy	41	4	502–510	https://doi.org/10.1177/02670844251334574	2.6	Q3	SCI/SCIE	April	2025

55		A systematic investigation of the structural changes in chemically and thermally reduced graphene oxide using Raman and XRD	Surface Review and Letters	World Scientific	Manu Priyadarshani, Kumari Neha, Rupali Rani, Rishi Sharma	32	1	2450105	https://doi.org/10.1142/S0218625X24501051	1.2	Q4	SCI/SCIE		2025
56	**Dilip Kumar Singh**	p-Doped Graphitic Carbon Nitride-Based Flexible Organic Field-Effect Transistor as a Superior Photodetector	ACS Applied Electronic Materials	American Chemical Society	Shilpi Kumari, Dilip K Singh				https://doi.org/10.1021/acsaelm.5c01248	4.7	Q2	SCI/SCIE	October	2025
57		Lipase Detection Using a Nanostructured Graphitic-Carbon Nitride-Based Flexible Organic Field Effect Transistor	ACS Applied Nano Materials	American Chemical Society	Shilpi Kumari, Jiwajyoti Mahanta, Tanusree Ghoshal, Manish K Singh, Manisha Kumari, Sarmistha Baruah, Nageswara Rao Peela, Dilip K Singh				https://doi.org/10.1021/acsanm.5c03537	5.5	Q2	SCI/SCIE	September	2025
58		Band Bending-Driven Photo Gain in CVD-Grown Au–ZnO NWs via Schottky Barrier Tuning	ACS Applied Electronic Materials		Dilip K. Singh Manisha Kumri				https://doi.org/10.1021/acsaelm.5c01757	4.7	Q2	SCI/SCIE	December	2025
59		Synthesis and Characterization of Calcium stannate (CaSnO3) using biological waste mussel shell for optical and electrical device application	Materials Chemistry and Physics: Sustainability and Energy	Elsevier	Manish K Singh, Dilip K Singh			100019	https://doi.org/10.1016/j.macse.2025.100019			Non SCI/SCIE, Non Scopus	June	2025
60		Graphitic carbon nitride-based high-performance Organic Field-Effect Transistor and photodetector	Diamond and Related Materials	Elsevier	Shilpi Kumari, Jiwajyoti Mahanta, Manish K Singh, Ameer Suhail, NR Peela, Dilip K Singh			112289	https://doi.org/10.1016/j.diamond.2025.112289	5.1	Q1	SCI/SCIE	May	2025
61		Melamine-Based Graphitic C3N4/p-Silicon Heterostructure Photodetector: Effect of g-C3N4 Growth Time on Performance	Journal of Electronic Materials	Springer US	Rakesh K Prasad, Dilip K Singh	54		3014-3023	https://doi.org/10.1007/s11664-025-11782-1	2.5	Q2	SCI/SCIE	February	2025
62		Synergistic effects of liquid phase exfoliated molybdenum based 2D nanosheets and MWCNTs for high performance supercapacitors	Sustainable Energy & Fuels	Royal Society of Chemistry	Riya Malik, Ankur Rana, Megha Rana, Dilip K Singh, R Srivastava, CK Suman		3		https://doi.org/10.1039/d4se00964a	4.1	Q2	SCI/SCIE		2025

63	**Nishi Srivastava**	Associations of Trace Gases and Meteorological Parameters and Particulate Matter with Ozone under Smog Conditions.	Pollution (2383451X)		Nishi Srivastava, Apurba Tewari, Anik Das	11	3		https://doi.org/10.21203/rs.3.rs-2614813/v1	1.2	Q4	SCI/SCIE	July	2025
64		Assessment of health hazardous particulate matter (PM2.5) from artificial neural network using meteorological and pollutant parameters	Theoretical and Applied Climatology	Springer Vienna	Tanvi Gaurav, Nishi Srivastava				https://doi.org/10.1007/s00704-024-05344-4	2.7	Q3	SCI/SCIE	January	2025
65	**Pawan Kumar Tiwari**	Fusion of Generative AI Techniques and Machine Learning Models to Generate and Investigate Biosignals for Glucose Sensors	ACS omega	American Chemical Society	Kirti Sharma, Suman Pandey, Pawan K Tiwari	10	47	57107-57122	https://doi.org/10.1021/acsomega.5c05979	4.3	Q2	SCI/SCIE	November	2025
66		Investigation on the temporal evolution of the Druyvesteyn distribution function between sheath and presheath region in material processing plasmas	Physica Scripta	IOP Publishing	Pawan K Tiwari, Ravindra Kumar, Yeon Soo Lee	100	3	35613	https://doi.org/10.1088/1402-4896/adb248	2.6	Q2	SCI/SCIE	March	2025
67		Estimation of hematocrit volume using blood glucose concentration through extreme gradient boosting regressor machine learning model	Journal of Chemical Information and Modeling	American Chemical Society	Kirti Sharma, Pawan K Tiwari, SK Sinha	65	4	1736-1746	https://doi.org/10.1021/acs.jcim.4c01423	5.3	Q1	SCI/SCIE	February	2025
68	**R. K. Dewanjee (The CMS Collaboration)**	Multiplicity dependence of charm baryon and charm meson production in pPb collisions at sNN= 8.16 TeV	Physics Letters B	North-Holland	Aram Hayrapetyan, et al.	868		139672	https://doi.org/10.1016/j.physletb.2025.139672	4.5	Q1	SCI/SCIE	September	2025
69		Elliptic anisotropy measurement of the f0(980) hadron in proton-lead collisions and evidence for its quark-antiquark composition	Nature communications	Nature Publishing Group UK	A. Hayrapetyan, et al.	16	1	7990	https://doi.org/10.1038/s41467-025-56200-6	15.7	Q1	SCI/SCIE	August	2025
70		Search for flavor-changing neutral current interactions of the top quark mediated by a Higgs boson in proton-proton collisions at 13 TeV	Physical Review D	APS	A. Hayrapetyan, et al.	112	3	032008	https://doi.org/10.1103/95q6-vvlp	5.3	Q1	SCI/SCIE	August	2025
71		Operation and performance of the CMS silicon strip tracker with proton-proton collisions at the CERN LHC	Journal of Instrumentation	IOP Science	A. Hayrapetyan, et al.	20	8	P08027	https://doi.org/10.1088/1748-0221/20/08/P08027	1.3	Q4	SCI/SCIE	August	2025
72		Measurement of the inclusive cross sections for W and Z boson production in proton-proton collisions at sqrt (s)= 5.02 and 13 TeV	Journal of High Energy Physics	Springer	A. Hayrapetyan, et al.	2025	162		https://doi.org/10.1007/JHEP04(2025)162	5.5	Q1	SCI/SCIE	April	2025

73		Overview of high-density QCD studies with the CMS experiment at the LHC	Physics Reports	Science Direct	A. Hayrapetyan, et al.	1115	2025	219-367	https://doi.org/10.1016/j.physrep.2024.11.007	29.5	Q1	SCI/SCIE	April	2025
74		Test of lepton flavor universality in semileptonic B^{+}_{c} meson decays in proton-proton collisions at $\sqrt{s}$ =13 TeV	Physical Review D	APS	A. Hayrapetyan, et al.	111	5	L05112	https://doi.org/10.1103/PhysRevD.111.L051102	5.3	Q1	SCI/SCIE	March	2025
75		Search for New Resonances Decaying to Pairs of Merged Diphotons in Proton-Proton Collisions at $\sqrt{s}$ =13 TeV	Physical Review Letters	APS	A. Hayrapetyan, et al.	134	4	041801	https://doi.org/10.1103/PhysRevLett.134.041801	9	Q1	SCI/SCIE	January	2025
76		Girth and groomed radius of jets recoiling against isolated photons in lead-lead and proton-proton collisions at sqrt(s_{NN}) = 13 TeV	Physics Letters B	North-Holland	A. Hayrapetyan, et al.	861		139088	https://doi.org/10.1016/j.physletb.2024.139088	4.5	Q1	SCI/SCIE	February	2025
77		Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at sqrt(s) = 13 TeV	Physics Letters B	North-Holland	A. Hayrapetyan, et al.	861		139067	https://doi.org/10.1016/j.physletb.2024.139067	4.5	Q1	SCI/SCIE	January	2025