Title of the Paper	Author(s)	Journal's Name	Year of Publication	DOI	ISSN
Optical properties evaluation on *d* and *f* metal ions based	Gaurav Awasthi, Pawan Kumar	Bulletin of Materials	2023	https://doi.org/10.1007/s12034-022-02863-6	0250-4707
comparison study on MIL-53 (Al) and (NH2)-MIL-53 (Al)	Shibyendu Nikhar, Rajit Sikka, Mithun	Bulletin of Materials	2023	https://doi.org/10.1007/s12034-023-03026-x	0250-4707
Optical detection of nitroaromatic compounds using	Rajit Sikka , Pawan Kumar	Journal of Chemical	2023	https://doi.org/10.1007/s12039-023-02191-0	0974-3626
Relative capability analysis on carboxylate and imidazole	Shibyendu Nikhar,Mithun Chakraborty,	Inorganic Chemistry	2023	https://doi.org/10.1016/j.inoche.2023.111132	1387-7003
Imine linked AntiBSA@NUS-15 for molecular sensing	Gagandeep Kaur, Pawan Kumar	Journal of Chemical	2023	https://doi.org/10.1007/s12039-023-02147-4	0974-3626
Optical Sensing Capability Evaluation for	Rajit Sikka , Pawan Kumar	Journal of Fluorescence	2023	https://doi.org/10.1007/s10895-023-03174-7	15734994, 10530509
Recent Trends in the Design, Synthesis and Biomedical	Gagandeep Kaur, Dinesh Kumar,	Polymers	2022	https://doi.org/10.3390/polym15010139	2073-4360
Effect of temperature on water solubility and absorption	Gaurav Awasthi, Pawan Kumar	Chemical Papers	2022	https://doi.org/10.1007/s11696-022-02619-w	03666352, 13369075
Progressive trends on the biomedical applications of Metal	Gaurav Awasthi,Sahil Shivgotra, Shibyendu	Polymers	2022	https://doi.org/10.3390/polym14214710	2073-4360
Progressive Trends in Hybrid Material- Based	Gaurav Awasthi, Ritika Sharma,	Polymers	2022	https://doi.org/10.3390/polym14214643	2073-4360
Ibuprofen tagged Imine RT-COF1 as customisable vehicle	Gagandeep Kaur , Pawan Kumar	Inorganic Chemistry	2022	https://doi.org/10.1016/j.inoche.2022.110043	1387-7003
Relative capability demonstration of luminescent Al-MOFs	Gaurav Awasthi, Pawan Kumar	Analytical Methods	2022	https://doi.org/10.1039/D2AY01030E	1759-9679
Current Perspectives on the environmental applications	TusharSingh , Saptak Rarotra, Pawan	Journal of Porous	2022	https://doi.org/10.1007/s10934-022-01275-5	*15734854, 13802224*
Assessment of Fine Particulate Matter for Port City of	Manoj Sharma, Naresh Kumar, Shallu	Atmosphere	2022	https://doi.org/10.3390/atmos13050743	2073-4433
Kitchen waste: sustainable bioconversion to value-added	Archita Sharma, Tanya Kuthiala, Kritika	Biomass Conversion and	2022	https://doi.org/10.1007/s13399-022-02473-6	2190-6815
Aqueous-phase biofunctionalized NH2-MIL53(Al) MOF	Rajit Sikka , Pawan Kumar, Jechan Lee, and	Journal of Porous	2022	https://doi.org/10.1007/s10934-021-01192-z	15734854, 13802224
Transformation of recovered cobalt from lithium-ion	Saptak Rarotra, Parveen Kumar, Sahu	Journal of Material	2022	https://doi.org/10.1007/s10163-021-01328-y	1438-4957
Current status of Xylanase for biofuel production: a review	Rimple Chaudhary, Tanya Kuthiala,	Biomass Conversion and	2021	https://doi.org/10.1007/s13399-021-01948-2	2190-6815
Biological metal organic framework for detection of voltaic	Shibyendu Nikkar, Paras Sahu, Saptak	Inorganic Chemistry		https://doi.org/10.1016/j.inoche.2021.108711	1387-7003
Progress and Challenges on Battery Waste Management: A	Saptak Rarotra, atyabrata Sahu, Pawan	ChemistrySelect	2020	https://doi.org/10.1002/slct.202000618	1096-0953
Metal-organic framework for sorptive/catalytic removal	Pawan Kumar,Ki-HyanKim, Jechan Lee,Jin	Journal of Industrial and	2020	https://doi.org/10.1016/j.jiec.2019.12.024	1547-6537
Review of the analytical methods for and clinical impact of	Vasudha Bansal, Beshare Hashemi,	Inorganic Chemistry	2020	https://doi.org/10.1007/s12403-019-00331-x	0165-9936
The advanced sensing systems for NOx based on Metal-	Pawan Kumar,Ki-Hyun Kim, Saptak	Trends in Analytical	2020	https://doi.org/10.1016/j.trac.2019.115730	0165-9936
Metal organic frameworks (MOFs) : Currents trends and	Pawan Kumar, Eric Vejerano, Azmatullah	Korean Journal of	2019	https://doi.org/10.1007/s11814-019-0378-8	0256-1115
Regeneration, Degradation, and Toxicity Effect of MOFs:	Tsang, Ki-Hyun Kim, Sadhika Khullar, and	Environmental Research	2019	https://doi.org/10.1016/j.envres.2019.05.019	1096-0953
lProgress and challenges in electrochemical sensing of	Pawan Kumar, Ki-Hyun Kim, Parveen	Critical Reviews of	2019	https://doi.org/10.1080/10643389.2019.1601489	1547-6537
Advances in functional nanomaterial-based electrochemical	Abdelmonaim Azzouz,	Trends in Analytical	2019	https://doi.org/10.1016/j.trac.2019.02.017	0165-9936
Advances in functional nanomaterial-based electrochemical	Abdelmonaim Azzouz,	Trends in Analytical	2019	https://doi.org/10.1016/j.trac.2019.02.017	0165-9936
Natural zeolite and its application in concrete composite	Yen Thi Tran, Jechan Lee, Pawan Kumar,	Composite Part B -	2019	https://doi.org/10.1016/j.compositesb.2018.12.084	1359-8368
Green' synthesis of metals and their oxide nanoparticles:	Jagpreet Singh, Tanushree Dutta, Ki-Hyun	Journal of	2019	https://doi.org/10.1186/s12951-018-0408-4	1477-3155
Biological hierarchically structured porous materials (Bio-	Pawan Kumar, Ki-Hyun Kim, Ankit	Journal of Porous	2018	https://doi.org/10.1007/s10934-018-0660-x	15734854, 13802224
Nanomaterials for the sensing of narcotics: challenges and	Vanish Kumar, Pawan Kumar, Anastasia	TrAC Trends in	2018	https://doi.org/10.1016/j.trac.2018.07.003	0165-9936
Characterization and flux assessment of airborne	Sang-Hee Jo,	Environmental Research	2018	https://doi.org/10.1016/j.envres.2018.04.007	1096-0953
Biofiltration of hydrogen sulfide: Trends and challenges	Vikrant Kumar, Suresh Kumar Kailasa,	Journal of Cleaner	2018	https://doi.org/10.1016/j.jclepro.2018.03.188	0959-6526 (print) 1879-1786 (web)
Recent advances in controlled modification on the size and	Botao Liu, Kowsalya Vellingiri, Sang-Hee	Nano Research	2018	https://doi.org/10.1007/s12274-018-2039-3	1998-0124
Biomolecule-embedded metal-organic frameworks as an innovative sensing platform	Sureshkumar Kempahanumakkagari, Vanish Kumar, Pallabi Samaddar, Pawan Kumar, Thippeswamy Ramakrishnappa, and Ki-Hyun Kim.	Biotechnology Advances	2018	https://doi.org/10.1016/j.biotechadv.2018.01.014	0734-9750
Hybrid porous thin films: Opportunities and Challenges for	Pawan Kumar, Ki-Hyun Kim, Kowsalya	Biosensors and	2018	https://doi.org/10.1016/j.bios.2018.01.006	0956-5663
Metal-organic frameworks MOFs as futuristic options for	Pawan Kumar, Vasudha Bansal, Ki-Hyun	Journal of industrial and	2018	https://doi.org/10.1016/j.jiec.2017.12.051	1226-086X
Functionalized fluorescent nanomaterials for sensing	Laxman Walekar, Tanushree Dutta, Pawan	Trends in Analytical	2018	https://doi.org/10.1016/j.trac.2017.10.012	0165-9936
Nanostructured materials: A progressive assessment and	Pawan Kumar, Ki-Hyun Kim, Vasudha	Coordination Chemistry	2018	https://doi.org/10.1016/j.ccr.2017.10.005	0010--8545
Solar energy: potential and prospects	Ehsanul Kabir, Pawan Kumar, Sandeep	Renewable &	2018	https://doi.org/10.1016/j.rser.2017.09.094	1364-0321
Modern progress in metal-organic frameworks and their	Pawan Kumar, Kowsalya Vellingiri, Ki-	Microporous and	2017	https://doi.org/10.1016/j.micromeso.2017.07.003	1387-1811
Progress in the sensing techniques for heavy metal ions using nanomaterials	Pawan Kumar, Ki-Hyun Kim, Vasudha Bansal, Theodore Lazarides, and Naresh Kumar.	Journal of industrial and Engineering Chemistry	2017	https://doi.org/10.1016/j.jiec.2017.06.010	1226-086X
Designer carbon nanotubes for contaminant removal in	Binoy Sarkar, Sanchita Mandal, Yiu Fai Tsang, Kowsalya Vellingiri, Akash Deep, Ki-Hyun	STOTEN, Science of the	2017	https://doi.org/10.1016/j.scitotenv.2017.08.132	0048-9697
The sensitive detection of formaldehyde in aqueous media	Kim, David W. Boukhvalov, Pawan Kumar	Sensors & Actuator	2017	https://doi.org/10.1016/j.snb.2016.11.017	0924-4247

Functional hybrid nanostructure materials: Advanced strategies for sensing applications toward volatile organic compounds	Vanish Kumar, Ki-Hyun Kim, Pawan Kumar, Byong-Hun Jeon, and Jo-Chun Kim.	Coordination Chemistry Reviews	2017	https://doi.org/10.1016/j.ccr.2017.04.006	0010--8545
Air ionization as a control technology for off-gas emissions	Ki-Hyun Kim, Jan E. Szulejko, Pawan	Environmental Pollution	2017	https://doi.org/10.1016/j.envpol.2017.03.026	0269-7491
Metal-organic frameworks as superior media for thermal	Yong-Hyun Kim, Pawan Kumar, Eilhann	Microchemical Journal	2017	https://doi.org/10.1016/j.microc.2017.01.032	0026-265X
Toward a better understanding of the impact of mass transit	Ki-Hyun Kim, Pawan Kumar, Jan E.	Chemosphere	2017	https://doi.org/10.1016/j.chemosphere.2017.01.113	0045-6535
Metal-organic frameworks: Challenges and opportunities	Pawan Kumar, Anastasia Pournara, Ki-	Progress in Materials	2017	https://doi.org/10.1016/j.pmatsci.2017.01.002	1873-2208
Modern progress and future challenges in nanocarriers for	Yong-Hyun Kim, Pawan Kumar, Eilhann	Trends in Analytical	2017	https://doi.org/10.1016/j.trac.2016.10.005	0165-9936
Factors regulating the distribution of O3 and NOx at two	Hang Thi Nguyen, Eilhann E. Kwon, Ki-	Atmospheric Pollution	2017	https://doi.org/10.1016/j.apr.2016.10.003	1309-1042
Advanced polymeric materials: Synthesis and analytical	Farid Shakerian, Ki-Hyun Kim, Eilhann	Trends in Analytical	2016	https://doi.org/10.1016/j.trac.2016.08.001	0165-9936
Coordination polymers: Challenges and future scenario for	Kowsalya Vellingiri, Pawan Kumar, and Ki-	Nano Research	2016	https://doi.org/10.1007/s12274-016-1230-7	1998-0124
A review of metal organic resins for environmental	Pawan Kumar, Ki-Hyun Kim, Yong-Hyun	Journal of Hazardous	2016	https://doi.org/10.1016/j.jhazmat.2016.08.037	0304-3894
Global warming projections to 2100 using simple	Jan E. Szulejko, Pawan Kumar, Akash	Atmospheric Pollution	2016	https://doi.org/10.1016/j.apr.2016.08.002	1309-1042
The micro-environmental impact of volatile organic	Tanushree Dutta, Ki-Hyun Kim, Minori	Environmental Research	2016	https://doi.org/10.1016/j.envres.2016.08.009	1096-0953
Metal organic frameworks as sorption media for volatile	Kowsalya Vellingiri, Jan E. Szulejko,	Nature Scientific Reports	2016	https://doi.org/10.1038/srep27813	2045-2322
Measurements of major VOCs released into the closed	Ki-Hyun Kim, Jan E. Szulejko, Hyo-Jae Jo,	Environmental Pollution	2016	https://doi.org/10.1016/j.envpol.2016.05.033	0269-7491
Recent progress and innovation in carbon capture and	Pawan Kumar, and Ki-Hyun Kim.	Applied Energy	2016	https://doi.org/10.1016/j.apenergy.2016.03.095	0306-2619
Practical utilization of nanocrystal metal organic	Pawan Kumar,	Microchemical Journal	2016	https://doi.org/10.1016/j.microc.2016.04.008	0026-265X
Identification of nitrogen dioxide and ozone source regions	Kowsalya Vellingiri, Ki-Hyun Kim, Jong-	Atmospheric Research	2016	https://doi.org/10.1016/j.atmosres.2016.02.022	0169-8095
Biological applications of zinc imidazole framework	Pawan Kumar, Vasudha Bansal, Ashish K.	Applied Nanoscience	2016	https://doi.org/10.1007/s13204-015-0511-x	2190-5517
Progress in the biosensing techniques for trace-level heavy	Jyotsana Mehta, Sanjeev K. Bhardwaj,	Biotechnology Advances	2016	https://doi.org/10.1016/j.biotechadv.2015.12.001	1873-1899
Metal organic frameworks for the control and management	Kwon, and Jan E. Szulejko	Journal of Material	2016	https://doi.org/10.1039/C5TA07068F	2050-7534
Immunosensing of atrazine with antibody-functionalized	Sanjeev K Bhardwaj Neha Bhardwaj, Girish	ACS Applied Materials	2016	https://doi.org/10.1021/acsami.5b07692	1944-8244
Review of the quantification techniques for polycyclic	Kwon, Ki-Hyun kim	Critical Reviews in Food	2016	https://doi.org/10.1080/10408398.2015.1116970	1549-7852

Title of the Paper	Author(s)	Journal's Name	Publication	DOI	ISSN
An isobutyronitrile-induced bienzymatic system of Alca	Bhatia, S. K., Mehta, P. K., Bhatia, R. K.	Bioprocess and biosyste	2013	https://doi.org/10.1007/s00449-012-0817-y	1615-7591
Production and characterization of acyl transfer activit	Bhatia, R. K., Bhatia, S. K., Mehta, P. K.	Journal of Microbial & B	2013	10.4172/1948-5948.1000090	1948-5948
Purification and characterization of a novel thermo-act	Mehta, P. K., Bhatia, S. K., Bhatia, R. K.	Extremophiles	2013	https://doi.org/10.1007/s00792-013-0547-3	1431-0651
Bench scale production of benzohydroxamic acid usin	Bhatia, R. K., Bhatia, S. K., Mehta, P. K.	Journal of industrial mic	2013	https://doi.org/10.1007/s10295-012-1206-x	1367-5435
Simultaneous purification of nitrile hydratase and amid	Bhatia, S. K., Mehta, P. K., Bhatia, R. K.	3 Biotech	2014	https://doi.org/10.1007/s13205-013-0163-z	2190-5738
Purification and characterization of arylacetonitrile-spe	Bhatia, S. K., Mehta, P. K., Bhatia, R. K.	Biotechnology and appli	2014	https://doi.org/10.1002/bab.1192	1470-8744
Bench scale production of nicotinic acid using a versat	Mehta, P. K., Bhatia, S. K., Bhatia, R. K.	Journal of Molecular Ca	2014	https://doi.org/10.1016/j.molcatb.2014.04.001	1381-1177
Optimization of arylacetonitrilase production from Alca	Bhatia, S. K., Mehta, P. K., Bhatia, R. K.	. Applied microbiology a	2014	https://doi.org/10.1007/s00253-013-5288-9	0175-7598
Biotransformation of nicotinamide to nicotinyl hydroxamic acid at bench scale by amidase acyl t		Journal of Molecular Ca	2014	https://doi.org/10.1016/j.molcatb.2014.07.001	1381-1177
Thermostable amidase catalyzed production of isonicc	Mehta, P. K., Bhatia, S. K., Bhatia, R. K.	Process Biochemistry	2015	https://doi.org/10.1016/j.procbio.2015.05.013	1400-1404
Bio-statistical enhancement of acyl transfer activity of	Bhatia, R. K., Bhatia, S. K., Mehta, P. K.	The Journal of general	2016	https://doi.org/10.2323/jgam.62.90	0022-1260
Lignocellulolytic enzymes: Biomass to biofuel.	Singh R, Kumar M, Mittal A, and Mehta	International Journal of	2016	DOI: 10.21474/IJAR01/2039	2319-7064
Microbial Cellulases in Industrial Applications.	Singh R, Kumar M, Mittal A, and Mehta	Annals of Applied Bio-S	2016	Microbial cellulases in Industrial applications | F	2349 - 6991
Amylases: A Note on Current Applications	Singh R, Mittal A, Kumar M and Mehta F	International Research	2016	Microsoft Word - 6.ISCA-IRJBS-2016-127.docx	2663-5968
Enhanced production of thermostable amidase from G	Mehta P.K, Bhatia S.K, Bhatia R.K and E	3 Biotech.	2016	https://doi.org/10.1007/s13205-016-0390-1	2190-5738
Microbial Proteases in Commercial Applications.	Singh R, Mittal A, Kumar M and Mehta F	Journal of Pharmaceutic	2016	http://www.jpcbs.info/	2320-1924
Microbial enzymes: industrial progress in 21st century.	Singh R, Kumar M, Mittal A, and Mehta	3 Biotech.	2016	https://doi.org/10.1007/s13205-016-0485-8	2190-5738
Microbial metabolites in nutrition, healthcare and agric	Singh R, Mittal A, Kumar M and Mehta F	3 Biotech.	2017	https://doi.org/10.1007/s13205-016-0586-4	2190-5738
Screening of low cost agricultural wastes to maximize	Ganaie, M. A; Soni, H.; Naikoo; G. A; Ol	Int Biodeterior. Biodegra	2017	https://doi.org/10.1016/j.ibiod.2017.01.006	0964-8305
Volatile Constituents of Jambolan (Syzygium cumini L.	Mehta PK; Galvo M S; Soares A C; Nog	Food Anal. Methods.	2018	https://doi.org/10.1007/s12161-017-1038-4	1936-9751
Progress and challenges in electrochemical sensing of	Kumar P; Kim-K; Mehta PK; Lisak, LG.	Critical Reviews in Envi	2019	https://doi.org/10.1080/10643389.2019.160148	1064-3389
Gut-microbiota derived bioactive metabolites and their	Nabendu Debnath, Ravinder Kumar, Asl	Biotechnology and Gen	2021	https://doi.org/10.1080/02648725.2021.198984	0264-8725
An overview on microbial α-amylase and recent biotec	Singh R, Kim W Si, Kumari A and Mehta	Current Biotechnology	2022	DOI: 10.2174/2211550111666220328141044	2211-5501
Geobacillus thermoleovorans MTCC 13131: An Amide	Kumar, A., Shahul, R., Singh, R., Kumar	Indian J Microbiol	2022	https://doi.org/10.1007/s12088-022-01042-9	0046-8991
Designer probiotics: Opening the new horizon in diagn	Debnath, N., Yadav, P., Mehta, P. K., G	Biotechnology and Bioe	2023	https://doi.org/10.1002/bit.28574	1097-0290
Toxicity of nitriles/amides-based products in the envirc	Peter, JK, Singh, R., Kothari, R., Kumar,	Journal of Hazardous M	2023	https://doi.org/10.1016/j.hazadv.2023.100389	2772-4166

Title of the Paper	Author(s)	Journal's Name	ar of Publicati	DOI	ISSN
Lattice distortion in ion beam synthesized silicon nanocrystals in	Nupur Saxena, Pragati Kumar, Avinash Agarwal	Physica Status Solidi A	2012	https://doi.org/10.1002/pssa.201127467	1862-6319
Nanotwinning in CdS quantum dots	Pragati Kumar, Nupur Saxena, F. Singh and Avi	Physica B: Condensed Matte	2012	ttps://doi.org/10.1016/j.physb.2012.04.029	0921-4526
Opto-structural studies of well dispersed silicon nanocrystals gro	Nupur Saxena, Pragati Kumar, D. Kabiraj and D.	Nanoscale Research Letters	2012	https://doi.org/10.1186/1556-276X-7-547	1556-276X

Nanotwinning and structural phase transition in CdS quantum dot	Pragati Kumar*, Nupur Saxena, Ramesh Chandra, Vi	Nanoscale Research Letters	2012	https://doi.org/10.1186/1556-276X-7-584	1556-276X
SHI induced enhancement in green emission from nanocrystalline	Pragati Kumar*, Nupur Saxena, Ramesh Chandı	Journal of Luminescence	2014	https://doi.org/10.1016/j.jlumin.2013.11.026	0022-2313
Effect of swift heavy ions on pulsed laser deposited Ag doped Cd	Pragati Kumar*, Nupur Saxena, Vinay Gupta, Ku	Advanced Science Letters	2014	https://doi.org/10.1166/asl.2014.5456	1936-6612
Correlation between surface phonon mode and luminescence in	Pragati Kumar*, Nupur Saxena, Vinay Gupta, F.	Journal of Applied Physics	2014	https://doi.org/10.1063/1.4891452	0021-8979
Swift heavy ion induced functionality in nanocrystalline CdS thin f	Pragati Kumar*, Nupur Saxena, F. Singh, Avinas	Advanced Materials Letters	2015	https://doi.org/10.5185/amlett.2015.5921	0976-3961
CdS:SiO2 nanocomposite as luminescence based wide range te	Nupur Saxena, Pragati Kumar, and Vinay Gupta	RSC Advances	2015	https://doi.org/10.1039/C5RA13740C	2046-2069
Effect of rapid thermal annealing temperature on the dispersion o	Nupur Saxena, Pragati Kumar, Vinay Gupta	AIP Conference Proceedings	2015	http://dx.doi.org/10.1063/1.4915417	***0094-243X***
Influence of Ag doping concentration on structural and optical prc	Pragati Kumar*, Nupur Saxena, Avinash Agarwa	AIP Conference Proceedings	2015	http://dx.doi.org/10.1063/1.4915408	***0094-243X***
Giant UV-sensitivity in ion beam irradiated nanocrystalline CdS th	Pragati Kumar*, Nupur Saxena, Sheetal Dewan,	RSC Advances	2016	https://doi.org/10.1039/C5RA21026G	2046-2069
Swift heavy ion induced structural phase generation and enhanc	Pragati Kumar*, Nupur Saxena, Fouran Singh, a	Surface and Coating Technc	2016	http://dx.doi.org/10.1016/j.surfcoat.2016.06.082	0257-8972
Formation of luminescent Si nanocrystals by ion irradiation	Nupur Saxena, Pragati Kumar, Vinay Gupta, D. I	Surface and Coating Technc	2016	http://dx.doi.org/10.1016/j.surfcoat.2016.06.071	0257-8973
Target swapping in PLD: An efficient approach for CdS/SiO2 and	Nupur Saxena, Pragati Kumar*, Vinay Gupta	Journal of Luminescence	2017	http://dx.doi.org/10.1016/j.jlumin.2017.02.015	0022-2313
Radiation stability of CBD grown nanocrystalline CdS films again	Nupur Saxena, Pragati Kumar*, Vinay Gupta, D.	Journal of Materials Science	2018	https://doi.org/10.1007/s10854-018-9183-0	1573-482X
Ion beam assisted fortification of photoconduction and photosens	Pragati Kumar*, Nupur Saxena, F. Singh, Vinay	Sensors and Actuators A	2018	***https://doi.org/10.1016/j.sna.2018.06.037***	***0924-4247***
Morphological evolution in nanocrystalline CdS thin films from flo	Nupur Saxena, Tania Kalsi, Prateek Uttam, Prag	Optical Materials	2018	https://doi.org/10.1016/j.optmat.2018.07.068	0925-3467
CdS nanodroplets over silica micro balls for efficient room tempe	Nupur Saxena, Pragati Kumar*, and Vinay Gupta	Nanoscale Advances	2019	https://doi.org/10.1039/C9NA00053D	*2516-0230*
Vital role of Ar-ambient pressure in controlled properties of nanoc	Pragati Kumar*, Nupur Saxena, and Vinay Gupta	Journal of Materials Science	2020	https://doi.org/10.1007/s10854-020-03233-w	1573-482X
Comprehensive Analysis of Band Gap and Nanotwinning in Cd1-	Tania Kalsi, Hrishit Mitra, Tapta Kanchan Roy, S	Crystal Growth and Design	2020	https://dx.doi.org/10.1021/acs.cgd.0c00851?ref=pdf	1528-7505
Gas Sensing Materials Roadmap	H. Wang, J. Ma, J. Zhang,...., Nupur Saxena, Pr	J. Phys. Cond. Matt.	2021	https://doi.org/10.1088/1361-648X/abf477	0953-8984
1. Cd1-xMgxS CQDs Thin Films for High Performance and Highl	Tania Kalsi and Pragati Kumar	Dalton Transactions	2021	https://doi.org/10.1039/D1DT01547H	1477-9234
1. IV-curve and structural studies of the composite mixture of red	Mehar J. Panesar, T. Tchouank Tekou Carol, J.	Journal of Materials Science	2022	https://doi.org/10.1007/s10854-021-07416-x	1573-482X
1. Quantum Dots Sensitized Solar: A Review on Strategic Develc	Sundar Singh, Zishan H. Khan, Pramod Kumar,	Bulletin of Materials Science	2022	https://doi.org/10.1007/s12034-022-02662-z	0973-7669
1. Sol-gel auto-combustion synthesis of double metal-doped bari	Sachin Kumar Godara, Varinder Kaur, Parambir	Journal of Solid State Chemi	2022	https://doi.org/10.1016/j.jssc.2022.123215	0022-4596
Room temperature ferromagnetism in metal oxides for spintronics	Sundar Singh, Veerendra Kumar, Sanjeev Tyagi	Optical and Quantum Electrc	2023	https://doi.org/10.1007/s11082-022-04325-z	1572-817X
Dopant mediated augmentation of nanotwinning and anomalous	Tania Kalsi, Sachin Kumar Godara, Rohit Medwa	Journal of Luminescence	2023	https://doi.org/10.1016/j.jlumin.2022.119544	0022-2313
High performance NIR photodetector based on Cd(1-x)CuxS coll	Tania Kalsi and Pragati Kumar*	Journal of Physics and Chen	2023	https://doi.org/10.1016/j.jpcs.2023.111377	0022-3697
CdS based 3D Nano/Micro-Architectures: Formation Mechanism,	Tailoring of Visible Light Activities and Emerging	Journal of Materials Chemist	2023	***https://doi.org/10.1039/D3TA00396E***	2050-7496
Structural, morphological, optical, photoluminescent and electroc	P. Sakthivel, Pragati Kumar, M. Dhavamurthy, A	Journal of Molecular Structu	2023	https://doi.org/10.1016/j.molstruc.2023.135723	1872-8014
Depreciative behavior of nanotwinning towards emission in Ag dc	Tania Kalsi, P. Sakthivel, Sachin Kumar Godara,	Optical and Quantum Electrc	2023	https://doi.org/10.1007/s11082-023-05248-z	1572-817X
Effect of Cr substitution in Nickel Spinel ferrite on the Surface Mo	Sachin Kumar Godara, Venuka Bhasin, Karuna S	Inorganic Chemistry Commu	2023	https://doi.org/10.1016/j.inoche.2023.111764	1879-0259

Title of the Paper	Author(s)	Journal's Name	Publication	DOI	ISSN
Improvement in optical absorption and emission chara	J Kaur, JP Sharma, N Singh, D Pathak,	Journal of Thermoplasti	2023	10.1177/089270572211157	0892-7057
Tailoring Surface Morphology for Characteristic Excito	Harkawal Singh, Isha Arora, Vanasundal	The Journal of Physical	2023	10.1021/acs.jpcc.3c02156	1932-7447
Tunable exciton-plasmon coupled resonances with Cu	H Singh, S Kumar, PK Sharma	Applied Surface Science	2023	10.1016/j.apsusc.2022.155831	0169-4332
Layer hybridized exciton–plasmon resonances for enh	H Singh, S Kumar, TSK Raunija, PK Sha	Materials Advances	2023	10.1039/D3MA00418J	2633-5409
Structural correlations for increased FOM in Pb doped	I Arora, V Natarajan, PK Sharma	Journal of Alloys and Cc	2022	10.1016/j.jallcom.2021.163531	0925-8388
Structure–property correlations in sol-gel spin coated Z	I Arora, PK Sharma	Journal of Materials Sci	2021	10.1007/s10854-021-06956-6	0957-4522
New tailored organic semiconductors thin films for opt	D Pathak, S Kumar, S Andotra, J Thom	The European Physical	2021	10.1051/epjap/2021210090	1286-0042
Interfacial charge-transfer for robust Raman quenchin	V Natarajan, M Ahmad, JP Sharma, A S	Applied Surface Science	2021	10.1016/j.apsusc.2021.149356	0169-4332
Effect of electron-phonon interaction and valence ban	Vanasundaram Natarajan, P Naveen Ku	Journal of Colloid and Ir	2021	10.1016/j.jcis.2020.10.067	0021-9797
Characterization of oxygen vacancy effect on structure	I Arora, PK Sharma	Materials Chemistry and	2021	10.1016/j.matchemphys.2020.123905	1879-3312
Structural, optical and electrical characterization of spi	I Arora, K Malhotra, A Mahajan, P Kuma	Materials Today: Proce	2021	10.1016/j.matpr.2020.04.750	2214-7853
Optical and structural properties of drop-cast PVA/PE(	JP Sharma, P Kumar, K Sharma, M Kun	Materials Today: Proce	2021	10.1016/j.matpr.2020.03.801	2214-7853
Association of structure and modulated optoelectronic	I Arora, P Kumar	Journal of Alloys and Cc	2020	10.1016/j.jallcom.2020.156316	0925-8388
Influence of phase transformation on structure–proper	R Sharma, S Sharma, P Kumar, R Than	Journal of Materials Sci	2020	10.1007/s10854-020-04191-z	0957-4522
Effect of Cd precursor on structure and optical propert	I Arora, P Kumar, TS Sathiaraj	Materials Science-Polar	2020	10.2478/msp-2020-0053	0137-1339
Enhancement of M^{n+} contributions on improvement of e	I Arora, P Kumar	Journal of Materials Sci	2020	10.1007/s10854-020-03824-7	0957-4522
Structure, optical and electrical properties of sol-gel de	I Arora, P Kumar, TS Sathiaraj, R Thang	Thin Solid Films	2020	10.1016/j.tsf.2020.137871	1879-2731
Effect of annealing temperature on structure-property	I Arora, P Kumar	Materials Research Exp	2020	10.1088/2053-1591/ab730e	2053-1591
Optical properties of transition metal doped ZnS nano	K Sharma, P Kumar, G Verma, A Kumar	Optik	2020	10.1016/j.ijleo.2020.164357	0030-4026
Effect of gamma irradiation on structure and photocon	S Sharma, R Sharma, P Kumar, R Than	Journal of Non-Crystallir	2020	10.1016/j.jnoncrysol.2019.119807	1873-4812
Surface charge doping induced carrier type reversal in	N Vanasundaram, M Ahmad, AK Chaudl	Materials Research Exp	2020	10.1088/2053-1591/ab7068	2053-1591
Synthesis and characterization of chemically exfoliatec	N Vanasundaram, M Ahmad, P Kumar	AIP Conference Procee	2019	10.1063/1.5122385	1551-7616
Study of photo-catalytic degradation of MB dye a wate	K Sharma, A Joshi, T Sharma, P Kumar	AIP Conference Procee	2019	10.1063/1.5112940	1551-7616
Role of binary solvent mixture on luminescence chara	R Kaur, JP Sharma, P Kumar	Optics & Laser Technol	2019	10.1016/j.optlastec.2019.02.028	1879-2545
Construction of a series of Zn (II) and Cd (II) coordinat	A Sharma, R Guda, P Kumar, R Kataria,	Polyhedron	2019	10.1016/j.poly.2019.02.048	0277-5387
Role of shell type of core/shell nanoparticles in lumines	K Sharma, P Kumar, G Verma	Applied Physics A: Mate	2019	10.1007/s00339-019-2655-0	0947-8396

Study of Structure and Optical Properties of Sonochen	S Pathania, M Ahmad, K Sharma, P Kur	Materials Focus	2018	10.1166/mat.2018.1565	2169-429X
Effect of nanocrystals concentration on optical and lun	K Sharma, P Kumar, G Verma	Materials Science-Polar	2018	10.2478/msp-2018-0063	0137-1339
Synthesis and photoluminescence spectra of CdS and	P Kumar, K Sharma	Materials Science-Polar	2018	10.2478/msp-2018-0062	0137-1339
Structural, optical and photoelectrical properties of the	S Sharma, R Sharma, P Kumar, R Than	Applied Physics A: Mate	2018	10.1007/s00339-018-1771-6	0947-8396
Effect of shell thickness of core/shell nanoparticles on	K Sharma, P Kumar	Materials Focus	2017	10.1166/mat.2017.1461	2169-429X
Effect of composition on steady state and transient ph	S Sharma, R Sharma, P Kumar, R Than	Journal of Materials Sci	2017	10.1007/s10854-017-7277-8	0957-4522
Analysis of electrical conduction phenomena in highly	R Sharma, S Sharma, P Kumar, K Asok	Journal of Non-Crystalli	2017	10.1016/j.jnoncrysol.2017.07.022	1873-4812
Effect of In Additive on the Structure and Optical Prop	S Sharma, R Sharma, P Kumar, R Than	Materials Focus	2017	10.1166/mat.2017.1414	2169-429X
Study of structure and optical absorption in iso-coordir	R Sharma, S Sharma, P Kumar, R Than	Journal of Non-Crystalli	2017	10.1016/j.jnoncrysol.2016.12.027	1873-4812
Structural and Optical Properties of Se85-xSb10In5Ag	R Sharma, P Kumar, R Thangaraj, M Mi	Materials Today: Proce	2017	10.1016/j.matpr.2017.06.397	2214-7853
Structure and Optical Properties of Polycrystalline InxS	S Sharma, R Sharma, P Kumar, R Chan	Journal of Nano and Ele	2016	10.21272/jnep.8(2).02055	2077-6772
Spectroscopic investigations of polycrystalline InxSb2(	R Sharma, S Sharma, P Kumar, R Chan	Materials Science-Polar	2016	10.1515/msp-2016-0114	0137-1339
Effect of Ag photo-doping on structural, optical and ph	P Kumar, R Chander, TS Sathiaraj, R Th	Materials Science in Se	2015	10.1016/j.mssp.2015.04.027	1873-4081
Compositional dependence of physical properties in Se	S Sharma, R Sharma, P Kumar, R Chan	AIP Conference Procee	2015	10.1063/1.4929264	1551-7616
Structural analysis of quaternary Se85− xSb10In5Agx	R Sharma, S Sharma, P Kumar, R Chan	AIP Conference Procee	2015	10.1063/1.4929257	1551-7616
Structural investigation of Bi doped InSe chalcogenide	S Sharma, R Sharma, P Kumar, R Chan	AIP Conference Procee	2015	10.1063/1.4915433	1551-7616
Synthesis, characterization, photocatalytic activity and	K Anand, R Thangaraj, P Kumar, J Kaur	AIP Conference Procee	2015	10.1063/1.4915447	1551-7616
Structural and optical investigation of Te-based chalco	R Sharma, S Sharma, R Chander, P Kur	AIP Conference Procee	2015	10.1063/1.4915434	1551-7616
Structural and optical properties of sol-gel processed Z	P Kumar, A Singh, D Pathak, L Hromadk	Advanced Materials Let	2014	10.5185/amlett.2014.6586	0976-3961
Amorphization of polymer matrix with nanoparticle forr	Vandana, P Kumar, M Mian, R Thangara	Optoelectronics and Ad	2014	http://oam-rc2.inoe.ro/articles/amorphization-of-	1842 - 6573
Structure and optical properties of spin coated Zn0. 9M	A Singh, P Kumar	Journal of Optoelectroni	2014	https://joam.inoe.ro/articles/structure-and-optica	1454 - 4164
Structural, morphological and optical properties of sol (	A Singh, P Kumar	International Nano Lette	2013	10.1186/2228-5326-3-57	2228-5326
Structural, optical and fluorescence properties of wet c	J Kaur, P Kumar, TS Sathiaraj, R Thang	International Nano Lette	2013	10.1186/2228-5326-3-4	2228-5326
Structural and optical study of nickel doped ZnO nano	S Thakur, J Kumar, J Sharma, N Sharm	Journal of Optoelectroni	2013	https://joam.inoe.ro/articles/structural-and-optic	1454 - 4164
Phase immiscibility induced enhanced fluorescence in	S Kaur, P Kumar, R Thangaraj	Polymer Bulletin	2013	10.1007/s00289-013-0948-6	1436-2449
Effect of Bi additive on structure and optical properties	S Sharma, P Kumar, R Thangaraj	Current Applied Physics	2013	10.1016/j.cap.2012.11.012	1567-1739
Study of crystallization kinetics and structural relaxatio	P Kumar, SN Yannopoulos, TS Sathiara	Materials Chemistry and	2012	10.1016/j.matchemphys.2012.04.018	1879-3312
Study of visible luminescence performance in highly tr	R Sharma, P Kumar, M Mian, R Thanga	Optoelectronics and Ad	2012	https://oam-rc.inoe.ro/articles/study-of-visible-lu	1842 - 6573
Amorphous-crystalline phase transformation and optic	P Kumar, R Thangaraj	AIP Conference Procee	2011	10.1063/1.3653627	1551-7616
Effect of surfactant type on the micro structure and op	K Anand, P Kumar, R Thangaraj	Journal of Optoelectroni	2011	https://joam.inoe.ro/articles/effect-of-surfactant-	1454 - 4164
Electrical and optical study of phase transitions in ther	P Kumar, R Thangaraj, TS Sathiaraj	Physica Status Solidi (A	2011	10.1002/pssa.201026537	1862-6319
Structural phase transitions and optical contrast in am	P Kumar, R Thangaraj	Chalcogenide Letters	2010	https://chalcogen.ro/509_Praveen-Kumar(2).pd	**1584-8663**
Effect of Sn addition on the optical gap and far-infrare	P Kumar, R Thangaraj, TS Sathiaraj	Journal of Non-Crystalli	2010	10.1016/j.jnoncrysol.2010.05.046	1873-4812
Optical properties of amorphous Sb2Se3:Sn films	P Kumar, TS Sathiaraj, R Thangaraj	Philosophical Magazine	2010	10.1080/09500830903520704	1362-3036
Effect of isoelectronic substitution of Bi on the photoel	M Ahmad, P Kumar, R Thangaraj	Thin Solid Films	2009	10.1016/j.tsf.2009.03.130	1879-2731
Effect of phase separation on the kinetics of photocurr	P Kumar, R Thangaraj	Journal of Physics: Con	2009	10.1088/0953-8984/21/37/375102	1361-648X
Effect of phase separation on optical and electrical pro	P Kumar, R Thangaraj, TS Sathiaraj	Physica Status Solidi (A	2009	10.1002/pssa.200824388	1862-6319
Effect of Sn addition on the photoconductivity of narro	P Kumar, R Thangaraj	Philosophical Magazine	2009	10.1080/09500830902763115	1362-3036
Kinetics of nonisothermal crystallization in Sn10Sb20−	M Ahmad, P Kumar, N Suri, J Kumar, R	Applied Physics A: Mate	2009	10.1007/s00339-008-4867-6	0947-8396
Phase transformation in Pb: GeSbTe chalcogenide filn	J Kumar, P Kumar, M Ahmad, R Chande	The European Physical	2008	10.1051/epjap:2008165	1286-0042
Effect of composition on optical constants of Pb: GeSb	J Kumar, P Kumar, N Suri, M Ahmad, R	Optoelectronics and Ad	2008	https://oam-rc.inoe.ro/articles/effect-of-composi	1842 - 6573
Thermal analysis and annealing temperature depende	P Kumar, R Thangaraj, T Stephen Sathi	Journal of Materials Sci	2008	10.1007/s10853-008-2948-8	1573-4803
Network topology and thermal annealing dependence i	P Kumar, R Thangaraj	Physica Scripta	2008	10.1088/0031-8949/77/04/045601	1402-4896
Effect of composition and light intensity on the electric	P Kumar, J Kumar, M Ahmad, R Thanga	Applied Physics A: Mate	2008	10.1007/s00339-007-4305-1	0947-8396
Analysis of bias field influenced recombination proces	P Kumar, R Thangaraj	Journal of Physics: Con	2008	10.1088/0953-8984/20/9/095213	1361-648X
Effect of Ag addition on the photoconductivity of amor	KS Bindra, N Suri, P Kumar, R Thangara	Solid State Communica	2007	10.1016/j.ssc.2007.05.014	1879-2766
Calorimetric studies of Se80− xTe20Bix bulk samples	N Suri, KS Bindra, P Kumar, R Thangara	Journal of Non-Crystalli	2007	10.1016/j.jnoncrysol.2006.10.056	1873-4812
Phase separation phenomena in Sn-Sb-Se glassy sen	P Kumar, J Kumar, R Thangaraj	The European Physical	2007	10.1051/epjap:2007054	1286-0042
Thermal investigations in bulk Se80-xTe20Bix chalcog	N Suri, KS Bindra, P Kumar, MS Kambo	Journal of Ovonic Rese	2006	https://chalcogen.ro/Suri-JOR.pdf	**1584 - 9953**
Electrical conduction and optical properties of amorph	P Kumar, R Thangaraj	Solid State Communica	2006	10.1016/j.ssc.2006.09.029	1879-2766
Glassy state and structure of Sn–Sb–Se chalcogenide	P Kumar, R Thangaraj	Journal of Non-Crystalli	2006	10.1016/j.jnoncrysol.2006.02.041	1873-4812
Transport properties of a-SnxSb20Se80− x (8≤ x≤ 18	P Kumar, KS Bindra, N Suri, R Thangara	Journal of Physics D: Ap	2006	10.1088/0022-3727/39/4/008	1361-6463

Title of the Paper	Author(s)	Journal's Name	Publication	DOI	ISSN
solution under UV irradiation using NdMnO3:rGO hybrid	Deepak Kumarc, Sanjeev K. Sharmac,*	Advances	2023	https://doi.org/10.1016/j.apsadv.2023.100491	2666-5239
microstructural,	a, Ajay Singh b, Seema Goutam	Materials	2023	https://doi.org/10.1016/j.diamond.2023.109704	0925-9635
Characteristics of CuO/rGO Nanocomposite for	Usha Parihar,2 Ajay Singh,3	Science and Technology	2023	10.1149/2162-8777/ acd6b9	2162-8769
gel dip	Kumar b, Ravi Kumar b, Vishal Singh c,	Advances	2023	https://doi.org/10.1016/j.apsadv.2023.100418	2666-5239

based sensing	Kumarc, Pashupati Pratap Neelratanc,	Reviews	2023	https://doi.org/10.1016/j.ccr.2023.215394	1873-3840	
Zinc oxide (ZnO) embedded in polyvinyl alcohol (PVA) matrix	Chinnamuthuc, Deepak Kumard, Tanuj Kumare,	Semiconductor Processing	2023	https://doi.org/10.1016/j.mssp.2023.107953	1369-8001	
Ni2+substitution on the dielectric, ferroelectric and	Singhc, Surbhi Sachdeva, Parveen Kumara,*	Ceramics International	2023	https://doi.org/10.1016/j.ceramint.2023.08.187	1873-3956	
properties of GdMnO3 nanoparticles induced by bismuth	Vaishali Misra, Saleem Khan, Uvais Valiyaneerila	J Mater Sci: Mater Electron	2023	https://doi.org/10.1007/s10854-022-09695-4	0957-4522	
in Multiferroic Nanocomposite of PbTiO3— SrFe12O19	Ajay Singh · Vishal Singh · Balwinder Kaur · Anju	Journal of Superconductivity	2022	https://doi.org/10.1007/s10948-022-06462-8	1557-1947	
Effect of PbTiO3 concentration on structural, paramagnetic resor	A Singh, B Kaur, M Arora, V Singh	Materials Chemistry and Phy	2021	https://doi.org/10.1016/j.matchemphys.2020.123849	0254-0584	
Structural and Magnetic Investigations of Yb Substituted Y1-xYbx	Bharat Singh, Naresh Kumar, Vishal Singh, Ravi	Integrated Ferroelectrics	2019	https://doi.org/10.1080/10584587.2019.1674961	1607-8489	
Effect of temperature and frequency on electrical properties of co	A Singh, S Suri, P Kumar, B Kaur, AK Thaku, V S	Alloys and compounds	2018	https://doi.org/10.1016/j.jallcom.2018.06.071	0925-8388	
Synthesis and characterization of isothiocyanato complexes of di	R Gupta, HN Sheikh, BL Kalsotra, V Singh	Journal of Saudi Chemical S	2016	https://doi.org/10.1016/j.jscs.2013.02.009	2212-4640	
Structural and magnetic studies on (x) PbTiO3–(1− x) SrFe12O1	Ajay Singh, Vishal Singh, KK Bamzai	Materials Chemistry and Phy	2015	https://doi.org/10.1016/j.matchemphys.2015.02.004	0254-0584	
Preparation, Structural, Electrical, and Ferroelectric Properties of	Rashmi Gupta, Seema Verma, Vishal Singh, and	Journal of Ceramics	2015	http://dx.doi.org/10.1155/2015/835150		835150
Synthesis, Characterization, and Thermal Kinetics of Mixed Gadc	RK Koul, S Suri, V Singh, KK Bamzai	International Scholarly Rese	2014	http://dx.doi.org/10.1155/2014/141463	2356-7872	
Dielectric behavior of mixed cadmium magnesium hydrogen phos	K K Bamzai, R Gupta, S Suri, V Singh	Advanced Materials Letters	2014	https://doi.org/10.5185/amlett.2013.fdm.41	0976-3961	
Synthesis, Characterization, and Thermal Decomposition of Pure	K. K. Bamzai, Nidhi Kachroo, Vishal Singh, and S	Journal of Materials	2013	http://dx.doi.org/10.1155/2013/359514		359514
Preparation of Samarium Doped Calcium Hydrogen Phosphate a	K. K. Bamzai, Goldy Slathia, Bindu Raina, Rashr	Indian Journal of Materials S	2014	https://doi.org/10.1155/2014/609463		609463
ferroelectric properties of yttrium and praseodymium doped lead	K Singh, V Singh, R Gupta, KK Bamzai	J. Mater. Sci. Eng. B	2014	doi: 10.17265/2161-6221/2014.10.004	2161-6221	
Structural, dielectric, piezoelectric and ferroelectric behavior of ra	K Singh, V Singh, R Gupta, KK Bamzai	J. Appl. Phys.(IOSR-JAP)	2014	DOI:10.9790/4861-06410814	2278-4861	
Growth, characterization and dielectric studies of yttrium heptamc	KK Bamzai, RK Koul, S Suri, V Singh	Archives of Physics Researc	2013		**0976-0970**	
Mechanical behaviour and fracture mechanics of praseodymium modified lead titanate ceramics prepared by solid		V Singh, S Suri, KK Bamzai	2013	http://dx.doi.org/10.1155/2013/280605		280605
Effect of neodymium doping on structural, microscopic and electr	S Suri, V Singh, KK Bamzai	Journal of Advanced Dielect	2014	https://doi.org/10.1142/S2010135X14500076	2010-1368	
Synthesis, characterization, thermal and dielectric properties of p	KK Bamzai, S Suri, V Singh	Materials Chemistry and Phy	2012	https://doi.org/10.1016/j.matchemphys.2012.04.040	0254-0584	
Growth and thermal kinetics of pure and cadmium doped barium	S Suri, KK Bamzai, V Singh	Journal of thermal analysis a	2011	https://doi.org/10.1007/s10973-011-1365-4	1388-6150	
Dielectric and conductivity studies on pure and cadmium doped b	S Suri, KK Bamzai, V Singh	Ferroelectrics	2011	https://doi.org/10.1080/00150193.2011.620881	0015-0193	
Preparation, structural and electrical characteristics of praseodyn	V Singh, KK Bamzai, S Suri	Ceramics International	2011	https://doi.org/10.1016/j.ceramint.2011.04.010	1873-3956	
Dielectric Anisotropy of Flux Grown 1% Samarium Doped Gadolii	KK Bamzai, Nidhi, V Singh, PN Kotru, BM Wanki	Ferroelectrics	2010	https://doi.org/10.1080/00150190903412507	0015-0193	
Micromechanical characteristics of flux-grown SmAlO3 single cry	KK Bamzai, Vishal Singh, Nidhi, PN Kotru, BM W	Strength of materials	2010	https://doi.org/10.1007/s11223-010-9228-y	0039-2316	
Microstructural, thermal and dielectric characteristics of Yttrium n	Vishal Singh, KK Bamzai, Nidhi, Shivani Suri	Integrated Ferroelectrics	2010	https://doi.org/10.1080/10584587.2010.496622	1607-8489	
Microhardness and fracture mechanics of flux grown samarium d	K.K. Bamzai a, Nidhi a, Vishal Singh a, P.N. Kotr	Journal of Physics and Chen	2010	https://doi.org/10.1016/j.jpcs.2010.07.001	0022-3697	

Title of the Paper	Author(s)	Journal Name	Year	ISSN No.	Doi
Studies on the influence of V2O5 on dielectric	Coressponding Author	Journal of Alloys and	2004	9258388	https://doi.org/10.1016/j.jallcom.2003.08.
Study on some physical properties of Li2O - MO -	Coressponding Author	Physica B: Condensed	2004	9214526	https://doi.org/10.1016/j.physb.2003.12.0
Spectroscopic properties of MO-WO3-P2O5:	Coressponding Author	Europian Physics	2004	12860042	https://doi.org/10.1051/epjap:2004035
Dielectric dispersion in the PbO-MOO3-B2O3 glass	Coressponding Author	SolidState	2004	0038-1098	https://doi.org/10.1016/j.ssc.2004.07.042
The role of titanium ions on structural, dielectric and	Coressponding Author	Materials Chemistry	2004	2540584	https://doi.org/10.1016/j.matchemphys.2
Catalyzed Crystallization and Some Physical	Coressponding Author	Indian Journal of Pure	2005	195596	https://nopr.niscpr.res.in/handle/1234567
The Influence of Titanium ions on dielectric, magnetic	Coressponding Author	Indian Journal of	2005	9731458	http://hdl.handle.net/10821/7497
Dielectric and optical properties - Structure	Coressponding Author	Indian Journal of Pure	2007	195596	https://nopr.niscpr.res.in/handle/1234567
Spectroscopic characterization, conductivity and	Coressponding Author	Journal of Physics and	2008	223697	https://doi.org/10.1016/j.jpcs.2008.06.145
Effect of alkaline earth modifier ion on the Optical,	Coressponding Author	Materials Chemistry	2008	2540584	https://doi.org/10.1016/j.matchemphys.2
Electrical characterization and relaxation behavior of	Coressponding Author	Turkish Journal of	2009	13000101	https://doi.org/10.3906/fiz-0803-7
Electrical conductivity, Relaxation and Scaling	Coressponding Author	Journal of Materials	2009	222461	https://doi.org/10.1007/s10853-009-3778-
Studies on lithium alumino phosphate glasses doped	Coressponding Author	Journal of Materials	2012	222461	https://doi.org/10.1007/s10853-012-6545-
Influence of nanocrystalline phases on the electrical	Coressponding Author	Phase Transitions	2012	1411594	https://doi.org/10.1080/01411594.2011.6
Electrical conductivity, electrical modulus, and scaling	Coressponding Author	Ionics	2012	9477047	https://doi.org/10.1007/s11581-011-0588-
Effect of Al2O3 Nanocrystals on the Electrical studies	Coressponding Author	Journal of Physics and	2013	223697	https://doi.org/10.1016/j.jpcs.2013.03.004
Erratum to: Part II: Effect of high energy proton beam	Coressponding Author	Ionics	2013	9477047	https://doi.org/10.1007/s11581-013-0884-
The role of crystallization on microstructural and	Coressponding Author	Ionics	2015	9477047	https://doi.org/10.1007/s11581-014-1265-
Lithium–germanium–phosphate glassceramic	Coressponding Author	Applied Nanoscience	2016	21905509	https://doi.org/10.1007/s13204-016-0519-
Mixed polyanion NaCo1−x (VO) x PO4 glass–ceramic	Coressponding Author	Journal of Materials	2017	222461	https://doi.org/10.1007/s10853-016-0741-
Electrochemical performance of SnO–V2O5–SiO2	Coressponding Author	Materials for	2018	21941459	https://doi.org/10.1007/s40243-018-0129-
Zn–Ge–Sb glass composite mixed with Ba2+ ions: a	Coressponding Author	Applied Nanoscience	2018	21905509	https://doi.org/10.1007/s13204-018-0822-
Electrical conductivity and charge/discharge profiles	Coressponding Author	Journal of Non-	2018	223093	https://doi.org/10.1016/j.jnoncrysol.2018.
Electrical conductivity of lithium phosphate glass-	Coressponding Author	Physics and Chemistry	2018	17533562	https://doi.org/10.13036/17533562.59.3.0
High Na-ion conducting Na1+x[SnxGe2−x(PO4)3]	Coressponding Author	Journal of the	2018	27820	https://doi.org/10.1111/jace.15103
Na3+x[CrxTi2-x(PO4)3] glass-ceramic electrolyte:	Coressponding Author	Ionics	2019	9477047	https://doi.org/10.1007/s11581-019-
Investigation on the applicability of high Na-ion	Coressponding Author	Journal of Physics and	2019	223697	https://doi.org/10.1016/j.jpcs.2018.11.016
SnO-GeO2-Sb2O3 glass anode network mixed with	Coressponding Author	Journal of Non-	2019	223093	https://doi.org/10.1016/j.jnoncrysol.2018.

Electrical properties and scaling studies of Na3+x	Coressponding Author	Applied Physics A	2019		9478396	https://doi.org/10.1007/s00339-019-2392-
Studies on thermal stability and life estimation of	Coressponding Author	Bulletin of Materials	2020		2504707	https://doi.org/10.1007/s12034-020-
Improvement in fast Na-ion conduction in	Coressponding Author	Journal of the Iranian	2020	1735207X		https://doi.org/10.1007/s13738-020-
Photoluminescence and X-ray photoelectron	Coressponding Author	ScienceAsia	2020		15131874	http://www.scienceasia.org/2020.46S.n1/s
Na–Ge glass anode network mixed with bismuth	Coressponding Author	Materials Chemistry	2020		2540584	https://doi.org/10.1016/j.matchemphys.2
A mixed polyanion NaFe 1− x (VO) x PO 4 glass-	Coressponding Author	New Journal of	2020		11440546	https://doi.org/10.1039/C9NJ05684J
Investigation of high-temperature stability and thermal	Coressponding Author	Silicon	2021	1876990X		https://doi.org/10.1007/s12633-020-
Characterization, X-ray Absorption Spectroscopic	Coressponding Author	Crystals	2021		20734352	https://doi.org/10.3390/cryst11101254
The role of titanium content in	Coressponding Author	Phase Transitions	2021		1411594	https://doi.org/10.1080/01411594.2021.1
An insight into the effect of g-C3N4 support on the	Coressponding Author	Electrochimica Acta	2021		134686	https://doi.org/10.1016/j.electacta.2021.1
Mixed Polyanion Na-Mn-V-P Glass–Ceramic Cathode	Coressponding Author	Energy Technology	2021		21944288	https://doi.org/10.1002/ente.202000845
Design of Ni-based bulk metallic glasses with	Coressponding Author	Current Applied	2021	2457-1024		https://li01.tci-
Oxidation and wetting characteristics of lead-free Sn-	Coressponding Author	Microelectronics	2022	0026-2714.		https://doi.org/10.1016/j.microrel.2022.1
Suitability and performance of NaNi1-x (VO) xPO4	Coressponding Author	Materials Science and	2022	0921-5107		https://doi.org/10.1016/j.mseb.2022.1159
Synthesis of NaYF4: Yb, Er/AgInS2	Coressponding Author	Optik	2022		304026	https://doi.org/10.1016/j.ijleo.2022.16985
(Ti-Mo-Zr)60AlxSiy High Entropy Alloy: Correlation	Coressponding Author	Silicon	2022	1876990X		https://doi.org/10.1007/s12633-022-
Improved electrochemical properties of In2S3/g-C3N4	Coressponding Author	Materials Letters	2022	0167577X		https://doi.org/10.1016/j.matlet.2022.132
Enhanced Long Cycle Life Stability and High Storage	Coressponding Author	Energy & Fuels	2022		8870624	https://doi.org/10.1021/acs.energyfuels.2
Influence of heat-treated temperature and its rate on	Coressponding Author	Phase Transitions	2022		1411594	https://doi.org/10.1080/01411594.2022.2
[Ni-Mo-Si]: Nb Bulk Metallic Glasses: Microstructure,	Coressponding Author	Silicon	2022	1876990X		https://doi.org/10.1007/s12633-021-
Na–Bi–Ge Glass Anode as a High-Performance	Coressponding Author	Energy Technology	2022		21944288	https://doi.org/10.1002/ente.202100343
Influence of titanium content on thermal, mechanical	Coressponding Author	Silicon	2022	1876990X		https://doi.org/10.1007/s12633-020-
Influence of Filler Content on Thermo-Physical	Coressponding Author	Silicon	2022	1876990X		https://doi.org/10.1007/s12633-020-
An insight into the sodium-ion and lithium-ion storage	Coressponding Author	RSC advances	2022		20462069	https://doi.org/10.1039/D2RA02014A
Improved Na+ ion storage capacity of Na2O-Bi2O3	Coressponding Author	Ionics	2022		9477047	https://doi.org/10.1007/s11581-021-
Studies on Hollow Glass Microsphere Reinforced	Coressponding Author	Fibers and Polymers	2022		12299197	https://doi.org/10.1007/s12221-021-0566-
Fast ion conduction and stable [Na-Si-P] glass-	Coressponding Author	Journal of	2023		15726657	https://doi.org/10.1016/j.jelechem.2023.1
Phosphorous/Fluorine Co-doped Biomass-derived	Coressponding Author	ChemNanoMat	2023	2199692X		https://doi.org/10.1002/cnma.202300077
Physical Properties of [Ni-(Mo/Cr)-Si]:[Ti/Nb] Bulk	Coressponding Author	Researchsquare	2023	2693-5015		https://doi.org/10.21203/rs.3.rs-
Influence of amorphous intermediate domains on the	Coressponding Author	Applied Physics A 129	2023	0947-8396		https://doi.org/10.1007/s00339-023-
Sodium-Bismuth-Titanium glass–ceramic network: A	Coressponding Author	Journal of Non-	2023	0022-3093 |		https://doi.org/10.1016/j.jnoncrysol.2023.
Glass-Ceramic Na3+ x [(Zr/Cr) x (Sc/Ti) 2-x (PO4) 3	Coressponding Author	Integrated	2023	1058-4587		https://doi.org/10.1080/10584587.2023.2
Nonmagnesium and Magnesium-Based High-Entropy	Coressponding Author	Materials Performance	2023	2379-1365		DOI: 10.1520/MPC20230015

Title of the Paper	Author(s)	Journal's Name	Year of	DOI	ISSN
Role of surface composition in morphological evolution of GaAs	Kumar, Tanuj; Kumar, Manish; Gupta, Govind;	Nanoscale research letters	2012	https://doi.org/10.1186/1556-276X-7-552	1931-7573
Ion beam-generated surface ripples: new insight in the	Kumar, Tanuj; Kumar, Ashish; Agarwal, Dinesh	Nanoscale research letters	2013	https://doi.org/10.1186/1556-276X-8-336	1931-7573
Tuning of ripple patterns and wetting dynamics of Si (100)	Kumar, Tanuj; Singh, UB; Kumar, Manish; Ojha,	Current Applied Physics	2014	https://doi.org/10.1016/j.cap.2013.12.007	15671739
Formation of nanodots on GaAs by 50keV Ar+ ion irradiation	Kumar, Tanuj; Khan, SA; Singh, UB; Verma, S;	Applied Surface Science	2012	https://doi.org/10.1016/j.apsusc.2011.07.005	0169-4332 (Print) / 1873-5584 (Online)
Study of thermal annealing induced plasmonic bleaching in Ag:	Kumar, Manish; Kumar, Tanuj; Avasthi, Devesh	Scripta Materialia	2015	https://doi.org/10.1016/j.scriptamat.2015.04.030	1359-6462 (Print) / 1872-8456 (Online)
Role of ion beam induced solid flow in surface patterning of Si	Kumar, Tanuj; Kumar, Ashish; Lalla, NP; Hooda,	Applied Surface Science	2013	https://doi.org/10.1016/j.apsusc.2013.06.124	0169-4332 (Print) / 1873-5584 (Online)
An approach to tune the amplitude of surface ripple patterns	Kumar, Tanuj; Kumar, Ashish; Kanjilal, D;	Applied Physics Letters	2013	https://doi.org/10.1063/1.4822302	1077-3118 / 0003-6951
Study of electronic sputtering of CaF 2 thin films	Pandey, Ratnesh K; Kumar, Manvendra; Khan,	Applied Surface Science	2014	https://doi.org/10.1016/j.apsusc.2013.10.102	0169-4332 (Print) / 1873-5584 (Online)
Fabrication of ordered ripple patterns on GaAs (100) surface	Kumar, Tanuj; Kumar, Manish; Verma, S;	Surface Engineering	2013	https://doi.org/10.1179/1743294413Y.0000000146	0267-0844 (Print) / 1743-2944 (Online)
Fabrication of Ag: TiO 2 nanocomposite thin films by sol-gel	Kumar, Manish; Parashar, Krishna Kumar;	Journal of Spectroscopy	2013	https://doi.org/10.1155/2013/491716	2314-4920 (Print) / 2314-4939 (Online)
Structural manipulation in Ge by swift heavy ions governed by	Hooda, S; Satpati, B; Ojha, S; Kumar, T; Kanjilal,	Materials Research Express	2015	https://ui.adsabs.harvard.edu/link_gateway/2015MRE...	2053-1591
Fractal characterization of the silicon surfaces produced by ion	Yadav, RP; Kumar, T; Mittal, AK; Dwivedi, S;	Applied Surface Science	2015	https://doi.org/10.1016/j.apsusc.2015.04.150	0169-4332 (Print) / 1873-5584 (Online)
In Situ Investigation of Current Transport Across Pt/n-Si (100)	Verma, Shammi; Praveen, Kumsi C; Kumar,	IEEE Transactions on Device	2012	https://doi.org/10.1109/TDMR.2012.2217396	1530-4388 (Print) / 1558-2574 (Online)
Dynamic scaling of swift heavy ion induced surface restructuring	Pandey, Ratnesh K; Kumar, Manvendra; Kumar,	Materials Letters	2015	https://doi.org/10.1016/j.matlet.2014.12.131	0167577X
Dynamics of modification of Ni/n-GaN Schottky barrier diodes	Kumar, Ashish; Kumar, Tanuj; HÃ¤hnel, A;	Applied Physics Letters	2014	https://doi.org/10.1063/1.4862471	1077-3118 / 0003-6951
Energy-separated sequential irradiation for ripple pattern	Kumar, Tanuj; Kumar, Manish; Panchal,	Applied Surface Science	2015	https://doi.org/10.1016/j.apsusc.2015.08.262	0169-4332 (Print) / 1873-5584 (Online)
Dependence of Schottky barrier height on metal work function	Verma, Shammi; Kabiraj, D; Kumar, T; Kumar,	AIP Conference	2011	https://doi.org/10.1063/1.3606252	0094-243X
Nano Pattern on nâ€Si (100) Surface by Ion Irradiation	Kumar, Tanuj; Khan, SA; Singh, UB; Verma, S;	AIP Conference	2011	http://dx.doi.org/10.1063/1.3606064	0094-243X
Regrowth of Ge with different degrees of damage under	Hooda, Sonu; Satpati, B; Kumar, Tanuj; Ojha,	RSC Advances	2016	https://doi.org/10.1039/C5RA20502F	2046-2069
Nano structuring of GaAs (100) surface using low energy ion	Kumar, Tanuj; Khan, SA; Verma, S; Kanjilal, D;	AIP Conference	2012	https://doi.org/10.1063/1.4710197	0094-243X
Nano-pits on GaAs (100) surface: Preferential sputtering and	Kumar, Tanuj; Panchal, Vandana; Kumar,	Nuclear Instruments and	2016	https://doi.org/10.1016/j.nimb.2016.03.053	0168-583X
Fractal characterization and wettability of ion treated silicon	Yadav, RP; Kumar, Tanuj; Baranwal, Vandana;	Journal of Applied Physics	2017	https://doi.org/10.1063/1.4975115	0021-8979
Instabilities in magnetized inhomogeneous plasmas with the	Jyoti, Jyoti; Joshi, Vishal; Kumar, Tanuj;	AIP Conference	2017	https://doi.org/10.1063/1.4978827	0094-243X

SHI induced evolution of surface and wettability of BaF 2 thin	Pandey, Ratnesh K; Kumar, Tanuj; Singh, Udai	MRS Advances	2019	https://doi.org/10.1557/adv.2019.168	2059-8521
Al 2 O 3-Water Nanofluids for Heat Transfer Application	Phor, Lakshita; Kumar, Tanuj; Saini, Monika;	MRS Advances	2019	https://doi.org/10.1557/adv.2019.172	2059-8521
Nano-patterning on Si (100) surface under specific ion	Yadav, RP; Vandana; Malik, Jyoti; Yadav, Jyoti;	MRS Advances	2019	https://doi.org/10.1557/adv.2019.162	2059-8521
Size dependent morphology, magnetic and dielectric properties	Sheoran, Nidhi; Saini, Monika; Kumar, Ashok;	MRS Advances	2019	https://doi.org/10.1557/adv.2019.167	2059-8521
Self-organized nanopatterning of Si (100) surface using ion	Vandana; Kumar, Tanuj; Jyoti; Tomar, Amit;	AIP Conference	2018	https://doi.org/10.1063/1.5051304	0094-243X
Propagation of solitary waves in a magnetized inhomogeneous	Jyoti; Pachauri, Shachi; Kumar, Tanuj;	AIP Conference	2018	https://doi.org/10.1063/1.5051280	0094-243X
Size and strain analysis of CaF2 thin films	Pandey, Ratnesh K; Awasthi, Shikha; Kumar,	AIP Conference	2018	https://doi.org/10.1063/1.5051298	0094-243X
Silver nanoparticles embedded polyaniline/Mg0. 5Cu0. 5Fe2O4	Saini, Monika; Singh, SK; Shukla, Rajni; Deswal,	AIP Conference	2018	https://doi.org/10.1063/1.5051289	0094-243X
Study of modified PEDOT: PSS for tuning the optical properties	Singh, Vinamrita; Kumar, Tanuj;	Journal of Science:	2019	https://doi.org/10.1016/j.jsamd.2019.08.009	2468-2284 / 2468-2179
Evaluation of the effect of low fluence ion beam pre-damage	Panchal, Vandana; Kumar, Tanuj; Satpati, B;	Surfaces and Interfaces	2020	https://doi.org/10.1016/j.surfin.2019.100425	2468-0230
An offline prediction of nanoscale ripples propagation under ion	Panchal, Vandana; Kumar, Tanuj; Sulania, Indra;	Vacuum	2021	https://doi.org/10.1016/j.vacuum.2020.109795	0042-207X / 1879-2715
Recent advances in bimetallic metal-organic framework as a	Raza, Nadeem; Kumar, Tanuj; Singh, Vinamrita;	Coordination Chemistry	2021	https://doi.org/10.1016/j.ccr.2020.213660	0010-8545
Surface engineering of Pt thin films by low energy heavy ion	Kumar, Munish; Pandey, Ratnesh Kumar;	Applied Surface Science	2021	https://doi.org/10.1016/j.apsusc.2020.148338	0169-4332 / 1873-5584
Surface erosion of BaF2 thin films under SHI irradiation: Angular	Pandey, Ratnesh K; Pathak, Sachin; Kumar,	Applied Surface Science	2021	https://doi.org/10.1016/j.apsusc.2021.149343	0167-577X / 1873-4979
Roughening and sputtering kinetics of Pt thin films at different	Kumar, Munish; Kumar, Tanuj; Pandey, Ratnesh	Materials Letters	2021	https://doi.org/10.1016/j.matlet.2021.130474	2190-5509 / 2190-5517
Energy-dependent surface nanopatterning of Si (100) for	Vandana; Kumar, Tanuj; Ojha, Sunil; Kumar,	Applied Nanoscience	2021	https://doi.org/10.1007/s13204-021-01975-5	2190-5509 / 2190-5517
Projectileâ€™s mass-dependent nanopatterning of Si (1 0 0) for	Chhokkar, Preeti; Kumar, Sushil; Singh,	Materials Letters	2022	https://doi.org/10.1016/j.matlet.2021.130475	0167-577X / 1873-4979
Gold (Au)-Doped Lead Sulfide-Polyvinyl Alcohol (PbS-PVA)	Pathania, Surbhi; Hmar, Jehova Jire L; Kumar,	Journal of Electronic	2022	https://doi.org/10.1007/s11664-022-09740-2	0361-5235 / 1543-186X
Structural, optical, and electrical properties of V2O5 thin films:	Priya, Bhanu; Jasrotia, Priya; Kumar, Arun;	Frontiers in Materials	2022	https://doi.org/10.3389/fmats.2022.1049189	2296-8016 (Online)
Substrate-dependent fractal growth and wettability of N+ ion	Priya, Bhanu; Jasrotia, Priya; Sulania, Indra;	Applied Surface Science	2023	https://doi.org/10.1016/j.apsusc.2023.156592	0169-4332 / 1873-5584
SERS Detection of Rhodamine-6G on Ion Beam Nanostructured	Jasrotia, Priya; Priya, Bhanu; Kumar, Raj;	ECS Journal of Solid State	2023	10.1149/2162-8777/acb56f	2162-8769 / 2162-8777
Fractal characterizations of MeV ion treated CaF2 thin films	Pandey, Ratnesh K; Yadav, Ram Pratap; Kumar,	Chaos: An Interdisciplinary	2023	https://doi.org/10.1063/5.0135127	1054-1500 / 1089-7682
A review of Composite Conducting Polymer-based Sensors for	Verma, Arunima; Gupta, Rajeev; Verma, Ajay	Sensors and Actuators Repo	2023	https://doi.org/10.1016/j.snr.2023.100143	2666-0539
A correlation between fractal growth, water contact angle, and	Jasrotia, Priya; Priya, Bhanu; Kumar, Raj;	Frontiers in Physics	2023	https://doi.org/10.3389/fphy.2023.1125004	2296-424X
A comparative study of structural, thermal and conducting	Saini, Monika; Sheoran, Nidhi; Shukla, Rajni;	MRS Advances	2019	https://doi.org/10.1557/adv.2019.249	2059-8521
Tuning of Structural and Morphological Characteristics of V2O5	Priya, Bhanu; Jasrotia, Priya; Sulania, Indra;	ECS Advances	2023	10.1149/2754-2734/accafc	2754-2734
Recent Advances and Challenges of Conducting Polymer-Metal	Verma, Arunima; Kumar, Tanuj;	ECS Journal of Solid State Sci	2023	10.1149/2162-8777/acc75e	2162-8769
Effects of 300 N+ Ion Irradiation on Radio-Frequency Sputtered	Sharma, Richa; Gupta, Himanshi; Singh, Fouran;	ECS Journal of Solid State Sci	2023	10.1149/2162-8777/ace079	2162-8769
Highly efficient and stable Ra2LaNbO6 double perovskite for	Bairwa, Jitendra Kumar; Kamlesh, Peeyush	Materials Science for	2024	https://doi.org/10.1016/j.mset.2023.07.005	2589-2991
Computational investigation of inverse perovskite SbPX3 (X=	Rani, Upasana; Kamlesh, Peeyush Kumar; Joshi,	Computational Condensed	2023	https://doi.org/10.1016/j.cocom.2023.e00835	2352-2143
Self-organized nanopatterning of Si (100) surface using ion	Vandana, Vandana; Kumar, Tanuj; Jyoti, Jyoti;	AIP Conference	2018	https://doi.org/10.1063/1.5051304	0094-243X
Nanotechnology based technological development in biofuel	Sheikh, Zaheer Ud Din; Bajar, Somvir; Devi, Arti;	Enzyme and Microbial Techr	2023	https://doi.org/10.1016/j.enzmictec.2023.110304	0141-0229
Metal-Conducting Polymer Hybrid Composites: A Promising	Abhishek, N; Verma, Arunima; Singh, Anita;	Inorganic Chemistry Commu	2023	https://doi.org/10.1016/j.inoche.2023.111334	1387-7003
Propagation of solitary waves in a magnetized inhomogeneous	Jyoti, Jyoti; Pachauri, Shachi; Kumar, Tanuj;	AIP Conference	2018	https://doi.org/10.1063/1.5051280	0094-243X
Electronic structure, theoretical power conversion efficiency,	Rani, Upasana; Kamlesh, Peeyush Kumar; Joshi,	Journal of Molecular	2023	https://doi.org/10.1007/s00894-023-05732-z	1610-2940
Surface nanostructuring and wettability of low energy Ar+	Jasrotia, Priya; Priya, Bhanu; Kumar, Raj;	Radiation Physics and	2024	https://doi.org/10.1016/j.radphyschem.2023.111333	0969-806X
Structural and Optical Properties of N+ Implanted V2O5 Thin	Priya, Bhanu; Jasrotia, Priya; Sulania, Indira;	ECS Journal of Solid State	2023	https://10.1149/2162-8777/acb56f	2162-8769
Impact of swift heavy oxygen ion irradiation on the	Singh, Kamal; Kumar, Parmod; Rathi, Vaishali;	Journal of Applied Physics	2023	https://doi.org/10.1063/5.0171363	0021-8979
Wearable flexible memristor based on titanium dioxide (TiO2)-	Pathania, Surbhi; Chinnamuthu, Paulsamy;	Materials Science in	2024	https://doi.org/10.1016/j.mssp.2023.107953	1369-8001
Silicon photonics interfaced with microelectronics for	Gupta, Rajeev; Singh, Rajesh; Gehlot, Anita;	Nanoscale	2023	https://doi.org/10.1039/D2NR05610K	2040-3372