

# Dambarudhar Mohanta

## List of Publications by Year in descending order

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123  
papers

1,411  
citations

430874

18  
h-index

434195

31  
g-index

125  
all docs

125  
docs citations

125  
times ranked

1719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thorough evaluation of sweet potato starch and lemon-waste pectin based-edible films with nano-titania inclusions for food packaging applications. International Journal of Biological Macromolecules, 2019, 139, 449-458.	7.5	166
2	Formation of nanoscale tungsten oxide structures and colouration characteristics. Bulletin of Materials Science, 2011, 34, 435-442.	1.7	85
3	Biogenic synthesis of silver nanoparticles from <i>Cassia fistula</i> (Linn.): <i>In vitro</i> assessment of their antioxidant, antimicrobial and cytotoxic activities. IET Nanobiotechnology, 2016, 10, 438-444.	3.8	60
4	SHI-induced grain growth and grain fragmentation effects in polymer-embedded CdS quantum dot systems. Materials Letters, 2004, 58, 3694-3699.	2.6	46
5	Defect mediated optical emission of randomly oriented ZnO nanorods and unusual rectifying behavior of Schottky nanojunctions. Journal of Applied Physics, 2011, 110, 054316.	2.5	43
6	Irradiation induced grain growth and surface emission enhancement of chemically tailored ZnS : Mn/PVOH nanoparticles by Cl <sup>+</sup> ion impact. Bulletin of Materials Science, 2003, 26, 289-294.	1.7	37
7	Inorganic fullerene-type WS <sub>2</sub> nanoparticles: processing, characterization and its photocatalytic performance on malachite green. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	36
8	Structural and ferroelectric properties of solid-state derived carbonate-free barium titanate (BaTiO <sub>3</sub> ) nanoscale particles. Scripta Materialia, 2009, 61, 891-894.	5.2	32
9	Hydrazine reduced exfoliated graphene/graphene oxide layers and Magnetoconductance measurements of Ge-supported graphene layers. Applied Physics A: Materials Science and Processing, 2011, 103, 395-402.	2.3	32
10	Effect of Gd <sup>3+</sup> doping on structural, optical and frequency-dependent dielectric response properties of pseudo-cubic BaTiO <sub>3</sub> nanostructures. Applied Physics A: Materials Science and Processing, 2014, 115, 1057-1067.	2.3	32
11	Effect of 160MeV Ni <sup>12+</sup> ion irradiation on PbS quantum dots. Journal of Luminescence, 2005, 114, 95-100.	3.1	31
12	Structural and optoelectronic properties of Eu <sup>2+</sup> -doped nanoscale barium titanates of pseudo-cubic form. Journal of Applied Physics, 2012, 112, .	2.5	31
13	Rapid hydrothermal route to synthesize cubic-phase gadolinium oxide nanorods. Bulletin of Materials Science, 2014, 37, 789-796.	1.7	28
14	Surface Plasmon Resonance-Based Protein Bio-Sensing Using a Kretschmann Configured Double Prism Arrangement. IEEE Sensors Journal, 2015, 15, 6791-6796.	4.7	25
15	Optical absorption study of 100-MeV chlorine ion-irradiated hydroxyl-free ZnO semiconductor quantum dots. Journal of Applied Physics, 2002, 92, 7149-7152.	2.5	23
16	Fabrication of ZnO nanorods for optoelectronic device applications. Indian Journal of Physics, 2009, 83, 553-558.	1.8	21
17	Directed growth characteristics and optoelectronic properties of Eu-doped ZnO nanorods and urchins. Journal of Applied Physics, 2010, 108, .	2.5	20
18	Effect of 80-MeV nitrogen ion irradiation on ZnO nanoparticles: Mechanism of selective defect related radiative emission features. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 374-379.	1.4	20

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19	Magnetocaloric effect of Gd <sub>2</sub> O <sub>3</sub> nanorods with 5% Eu-substitution. <i>Applied Surface Science</i> , 2019, 491, 779-783.	6.1	20
20	Nutritional assessment study and role of green silver nanoparticles in shelf-life of coconut endosperm to develop as functional food. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1280-1288.	3.8	19
21	Development of Tb-doped ZnO nanorods: Effect of nitrogen ion irradiation on luminescence and structural evolution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1859-1863.	1.8	18
22	ZnO nanorod-based UV photodetection and the role of persistent photoconductivity. <i>Philosophical Magazine</i> , 2012, 92, 3909-3919.	1.6	18
23	Oriented attachment (OA) mediated characteristic growth of Gd <sub>2</sub> O <sub>3</sub> nanorods from nanoparticle seeds. <i>Journal of Rare Earths</i> , 2016, 34, 158-165.	4.8	18
24	Production and optoelectronic response of Tb <sup>3+</sup> -activated gadolinium oxide nanocrystalline phosphors. <i>EPJ Applied Physics</i> , 2013, 62, 30401.	0.7	16
25	Structural and optical properties of Mn doped ZnS semiconductor nanostructures. <i>Indian Journal of Physics</i> , 2010, 84, 1361-1367.	1.8	15
26	Microwave-assisted poly(glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a $\gamma$ -tendrillar <sup>TM</sup> nanofibrous polyaniline wrapping and their interaction at bio-interface. <i>Carbon</i> , 2013, 55, 34-43.	10.3	15
27	Effective optoelectronic and photocatalytic response of Eu <sup>3+</sup> -doped TiO <sub>2</sub> nanoscale systems synthesized via a rapid condensation technique. <i>Journal of Materials Research</i> , 2013, 28, 1471-1480.	2.6	15
28	Evaluation of optoelectronic response and Raman active modes in Tb <sup>3+</sup> and Eu <sup>3+</sup> -doped gadolinium oxide (Gd <sub>2</sub> O <sub>3</sub> ) nanoparticle systems. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	14
29	Synthesis, characterization and effect of low energy Ar ion irradiation on gadolinium oxide nanoparticles. <i>Materials Research Bulletin</i> , 2011, 46, 1296-1300.	5.2	13
30	Luminescence and bio-imaging response of thio-glycolic acid (TGA) and sodium dodecyl sulfate (SDS)-coated fluorescent cadmium selenide quantum dots. <i>Journal of Luminescence</i> , 2015, 161, 395-402.	3.1	13
31	Effect of Annealing Temperature on the Morphology and Sensitivity of the Zinc Oxide Nanorods-Based Methane Sensor. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 593-600.	2.9	12
32	Physical and biophysical assessment of highly fluorescent, magnetic quantum dots of a wurtzite-phase manganese selenide system. <i>Nanotechnology</i> , 2014, 25, 275101.	2.6	12
33	Perceptible exciton-to-trion conversion and signature of defect mediated vibronic modes and spin relaxation in nanoscale WS <sub>2</sub> exposed to $\gamma$ -rays. <i>Nanotechnology</i> , 2020, 31, 285706.	2.6	12
34	Application of Box-Behnken design in optimization of biodiesel yield using WO <sub>3</sub> /graphene quantum dot (QD) system and its kinetics analysis. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 221-232.	4.6	12
35	Biogenic nanosized gold particles: Physico-chemical characterization and its anticancer response against breast cancer. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 30, e00612.	4.4	12
36	Time-resolved photoluminescence decay characteristics of bovine serum albumin-conjugated semiconductor nanocrystallites. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 177-191.	2.4	11

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37	Evolution of ZnO nanoparticles and nanorods: aspect ratio dependent optoelectronic properties. EPJ Applied Physics, 2011, 53, 10602.	0.7	11
38	Enhanced magneto-optic activity of magnetite-based ferrofluids subjected to gamma irradiation. Applied Physics A: Materials Science and Processing, 2012, 106, 757-763.	2.3	11
39	Limiting hydrophobic behavior and reflectance response of dragonfly and damselfly wings. Applied Surface Science, 2016, 387, 609-616.	6.1	11
40	<i>Abutilon indicum</i> (L.) Sweet Leaf Extracts Assisted Bio-Inspired Synthesis of Electronically Charged Silver Nano-Particles with Potential Antimicrobial, Antioxidant and Cytotoxic Properties. Materials Focus, 2018, 7, 94-100.	0.4	11
41	Scanning probe microscopy, luminescence and third harmonic generation studies of elongated CdS:Mn nanostructures developed by energetic oxygen-ion-impact. EPJ Applied Physics, 2006, 35, 29-36.	0.7	10
42	Enhanced vacuum-photoconductivity of chemically synthesized ZnO nanostructures. Philosophical Magazine, 2014, 94, 914-924.	1.6	10
43	Interfacial charge transfer mechanism in nanostructured TiO <sub>2</sub> @ZnS coupled network for single electron device applications. Journal of Applied Physics, 2007, 101, 044302.	2.5	9
44	Rheological Properties of Iron Oxide Based Ferrofluids. , 2009, , .		9
45	Excitation dependent light emission and enhanced photocatalytic response of WS <sub>2</sub> /C-dot hybrid nanoscale systems. Journal of Luminescence, 2019, 206, 530-539.	3.1	9
46	Influence of ion bombardment on the photoluminescence response of embedded CdS nanoparticles. Open Physics, 2006, 4, .	1.7	8
47	Properties of 80-MeV oxygen ion irradiated ZnS:Mn nanoparticles and exploitation in nanophotonics. Journal of Nanoparticle Research, 2006, 8, 645-652.	1.9	8
48	Synthesis and pore filling mechanism in anatase TiO <sub>2</sub> nanostructured network mediated by PbS molecular adsorption. Journal of Applied Physics, 2011, 109, 094904.	2.5	8
49	Photonic Properties of Butterfly Wing Infiltrated with Ag-Nanoparticles. Nanoscience and Nanotechnology Letters, 2011, 3, 458-462.	0.4	8
50	Frequency dependent electrical properties of nano-CdS/Ag junctions. European Physical Journal B, 2005, 45, 63-68.	1.5	7
51	Physical and Biophysical Characteristics of Nanoscale Tungsten Oxide Particles and Their Interaction with Human Genomic DNA. Journal of Nanoscience and Nanotechnology, 2011, 11, 4659-4666.	0.9	7
52	Probing Spin@Spin and Spin-Lattice Relaxation Through Electron Paramagnetic Resonance Study of Nanoscale WO <sub>3</sub> System. Materials Express, 2012, 2, 57-63.	0.5	7
53	Fragmentation of elongated-shaped ZnO nanostructures into spherical particles by swift ion impact. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 288-294.	2.7	7
54	Inverse surface plasmon resonance based effective hydrogen sensing using nanoscale palladium films. Optical Materials, 2015, 39, 273-277.	3.6	7

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55	Black titania: effect of hydrogenation on structural and thermal stability of nanotitania. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
56	Revealing mechanical, tribological, and surface-wettability features of nanoscale inorganic fullerene-type tungsten disulfide dispersed in a polymer. Journal of Materials Research, 2019, 34, 3666-3677.	2.6	7
57	Enhanced magnetocaloric effect in terbium-doped gadolinium oxide nanoparticles. Physica B: Condensed Matter, 2019, 570, 324-327.	2.7	7
58	Role of cohesive energy on the interparticle coalescence behavior of dispersed nanoparticles subjected to energetic ion irradiation. Journal of Materials Research, 2010, 25, 814-820.	2.6	6
59	Size quantification of sub-micron ZnSe semiconductor particles by laboratory scattering methods. Indian Journal of Physics, 2010, 84, 705-709.	1.8	6
60	Two Photon Emission and Nonlinear Optical Imaging of Acetonitrile-Treated Quasi-Spherical Nanoscale PbS Systems. IEEE Photonics Journal, 2010, 2, 1060-1068.	2.0	6
61	Magnetically induced optical activity and dichroism of gadolinium oxide nanoparticle-based ferrofluids. Journal of Applied Physics, 2012, 111, 044904.	2.5	6
62	Improved and delayed radiative emission response of Eu-doped BaTiO <sub>3</sub> nanoscale system. EPJ Applied Physics, 2012, 59, 10402.	0.7	6
63	Characteristic spectroscopic properties of $\gamma$ -irradiated rare-earth oxide-based ferrofluids. Journal of Experimental Nanoscience, 2012, 7, 586-595.	2.4	6
64	Significant Fowler-Nordheim tunneling across ZnO Nanorod based nanojunctions for nanoelectronic device applications. Current Applied Physics, 2013, 13, 705-709.	2.4	6
65	Creation and regulation of ion channels across reconstituted phospholipid bilayers generated by streptavidin-linked magnetite nanoparticles. Physical Review E, 2014, 89, 012707.	2.1	6
66	Noticeable red emission and Raman active modes in nanoscale gadolinium oxyfluoride (Gd <sub>4</sub> O <sub>3</sub> F <sub>6</sub> ) systems with Eu <sup>3+</sup> inclusion. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	6
67	Exfoliated WS <sub>2</sub> nanosheets: optical, photocatalytic and nitrogen-adsorption/desorption characteristics. Bulletin of Materials Science, 2018, 41, 1.	1.7	6
68	Emergence of Raman active D- band and unusually suppressed conductivity mediated by nanoscale defects in pencil-lead graphitic systems under 80 keV Xe <sup>+</sup> ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 1-6.	1.4	6
69	Photochromism and magneto-optic response of ZnO:Mn semiconductor quantum dots fabricated by microemulsion route. Open Physics, 2008, 6, .	1.7	5
70	Peacock feather supported self assembled ZnO nanostructures for tuning photonic properties. European Physical Journal D, 2011, 61, 463-468.	1.3	5
71	Optical and rheological study of gamma irradiated rare-earth nanoparticle based ferrofluids. Nuclear Instruments & Methods in Physics Research B, 2012, 292, 45-49.	1.4	5
72	Extraction and characterization of mixed phase KNO <sub>2</sub> -KNO <sub>3</sub> nanocrystals derived from flat-leaf green spinach. Physica Scripta, 2013, 87, 015603.	2.5	5

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73	Augmented photocatalytic activity and luminescence response of Tb <sup>3+</sup> -doped nanoscale titania systems. <i>Journal of Applied Physics</i> , 2014, 116, 144902.	2.5	5
74	Anomalous carrier life-time relaxation mediated by head group interaction in surface anchored MnSe quantum dots conjugated with albumin proteins. <i>Materials Chemistry and Physics</i> , 2017, 187, 46-53.	4.0	5
75	Measurement of third order susceptibility by nonresonant nondegenerate four wave mixing in polymer embedded cadmium sulfide quantum dot systems. <i>Optical Materials</i> , 2006, 29, 342-347.	3.6	4
76	Optical emission, vibrational feature, and shear-thinning aspect of Tb <sup>3+</sup> -doped Gd <sub>2</sub> O <sub>3</sub> nanoparticle-based novel ferrofluids irradiated by gamma photons. <i>Journal of Applied Physics</i> , 2013, 114, 134903.	2.5	4
77	Properties of hydrothermally processed multi-walled titania nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 49, 39-43.	2.7	4
78	Teflon impregnated anatase TiO <sub>2</sub> nanoparticles irradiated by 80 keV Xe <sup>+</sup> ions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 336, 135-142.	1.4	4
79	Analytical calculation of chain length in ferrofluids. <i>Bulletin of Materials Science</i> , 2015, 38, 221-226.	1.7	4
80	Effect of ion irradiation on nanoscale TiS <sub>2</sub> systems with suppressed Titania phase. <i>Journal of Physics: Conference Series</i> , 2016, 765, 012007.	0.4	4
81	Surface-wettability and Structural Colouration Property of Certain Rosaceae Cultivars with Off-to-dark Pink Appearances. <i>Journal of Bionic Engineering</i> , 2018, 15, 1012-1024.	5.0	4
82	Evidence of diamond-like carbon phase formation due to 80 keV Xe <sup>+</sup> ion impact on pencil-lead graphitic systems with oblique angle incidence. <i>Europhysics Letters</i> , 2019, 125, 36003.	2.0	4
83	Highly symmetric and delayed excitonic emission response and space charge-limited current transport in I <sup>2</sup> -irradiated WSe <sub>2</sub> and WS <sub>2</sub> nanoflakes. <i>Journal of Materials Research</i> , 2021, 36, 870-883.	2.6	4
84	Featuring exfoliated 2D stacks into fractal-like patterns in WS <sub>2</sub> /carboxy methyl cellulose nanocomposites. <i>Surfaces and Interfaces</i> , 2022, 29, 101727.	3.0	4
85	Laser-induced photocurrent measurement in quasi-arrayed ZnS quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 27, 176-182.	2.7	3
86	Development principles and production of paired PbS quantum dots. <i>EPJ Applied Physics</i> , 2008, 41, 129-132.	0.7	3
87	Influence of Mn incorporation on structural, optical emission and polarization switching aspect of PbO-free nanoscale PbTiO <sub>3</sub> systems. <i>Journal of Materials Research</i> , 2012, 27, 2965-2972.	2.6	3
88	Temperature responsive gadolinium oxide nanoparticles for hyperthermia application. <i>AIP Conference Proceedings</i> , 2017, . .	0.4	3
89	Impetuous exfoliation of tungsten disulfide into a few-layer nanoscale form due to super active collagenase biomolecules. <i>Materials Chemistry and Physics</i> , 2020, 250, 123008.	4.0	3
90	Revisiting principles, practices and scope of technologically relevant 2D materials. <i>Journal of Materials Research</i> , 2021, 36, 1961-1979.	2.6	3

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91	Strong Kerr-signals from optically isotropic ZnSe nanocrystals: a study using Mach-Zehnder principles. <i>European Physical Journal D</i> , 2009, 55, 679-683.	1.3	2
92	Interplay of native defect-related photoluminescence response of ZnO nanosticks subjected to 80 keV Ar ion irradiation. <i>Radiation Effects and Defects in Solids</i> , 2011, 166, 884-893.	1.2	2
93	Optimum Mn-doping, effective tetragonality, and correlated luminescence characteristics of PbTiO <sub>3</sub> nanoparticles. <i>Philosophical Magazine Letters</i> , 2011, 91, 423-431.	1.2	2
94	A Comprehensive View on the Brownian Motion of Quantum Dots in Electrolytic Solution, Lipid Bilayer and Their Aggregated State in the Lipid Biomembrane. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 1070-1077.	0.4	2
95	Unusual Rectifying Response of Nanojunctions Using Randomly Oriented Nanorods (RON) of ZnO Irradiated with 80-MeV Oxygen Ions. <i>Journal of Electronic Materials</i> , 2012, 41, 1955-1961.	2.2	2
96	Physical Properties of Nanoscale TiO <sub>2</sub> Related to Ag-Doping and Photochromic Behavior. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 452-456.	0.4	2
97	Manifested luminescence and magnetic responses of stoichiometry dependent Cd <sub>1-x</sub> MnxSe quantum dots. <i>Materials Research Bulletin</i> , 2015, 62, 71-79.	5.2	2
98	Investigation of manifestation of optical properties of butterfly wings with nanoscale zinc oxide incorporation. <i>Journal of Physics: Conference Series</i> , 2016, 765, 012019.	0.4	2
99	Sol-hydrothermally derived gadolinium oxide (Gd <sub>2</sub> O <sub>3</sub> ) nanorods and tamarind-like shape evolution under 80 keV C <sup>6+</sup> ion impact. <i>Radiation Effects and Defects in Solids</i> , 2016, 171, 925-935.	1.2	2
100	Interrelated emission and spin-relaxation feature mediated by VO <sup>+</sup> defects in Gd <sub>2</sub> O <sub>3</sub> nanorods subjected to swift ion impact. <i>Philosophical Magazine Letters</i> , 2016, 96, 157-164.	1.2	2
101	Exploring structural colour in uni- and multi-coloured butterfly wings and Ag <sup>+</sup> uptake by scales. <i>Europhysics Letters</i> , 2017, 119, 66003.	2.0	2
102	Influence of mild Cr <sup>3+</sup> doping on the structural, optical, photochromic, and thermochromic reversibility of nano-titania systems. <i>Canadian Journal of Physics</i> , 2019, 97, 347-354.	1.1	2
103	Consequence of surfactant coating on the Raman active modes and highly symmetric blue-emission decay dynamics of cubic phase MnSe quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 113, 226-232.	2.7	2
104	Unusually diverse surface-wettability features found in the wings of butterflies across Lepidoptera order and evaluation of generic and vertical gibbosity-based models. <i>Physica Scripta</i> , 2021, 96, 085004.	2.5	2
105	Synthesis, Stabilization of CdSe Quantum Dots and the Role of Rose Water and Citric Environment. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 775-782.	0.4	2
106	Exploiting valence band mapping and select blue-green and red phosphorescence decay of $\beta$ -irradiated nanoscale Eu <sup>3+</sup> : Gd <sub>2</sub> O <sub>3</sub> below concentration quenching. <i>Optical Materials</i> , 2021, 122, 111627.	3.6	2
107	Structural and XPS studies of polyhedral europium doped gadolinium orthovanadate (Eu <sup>3+</sup> :GdVO <sub>4</sub> ) nanocatalyst for augmented photodegradation against Congo-red. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 143, 115357.	2.7	2
108	Studies of optical properties and SHI irradiation on PbS sensitized nanoporous TiO <sub>2</sub> network. <i>Journal of Optics (India)</i> , 2009, 38, 169-176.	1.7	1

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109	Physical properties of nanoscale TiO <sub>2</sub> with mild rare earth ion doping. , 2013, , .		1
110	Crystallographic, luminescence and photoconductive characteristics of chemically tailored ZnO nanorods. , 2014, , .		1
111	Recording ion channels across soy-extracted lecithin bilayer generated by water-soluble quantum dots. Philosophical Magazine, 2014, 94, 345-357.	1.6	1
112	Comparative study of microscopic, spectroscopic and magneto-optic response of ferrofluids subjected to $\beta$ -radiation. Indian Journal of Physics, 2015, 89, 115-121.	1.8	1
113	Noticeable size dispersity and optical stability of sodium dodecyl sulphate (SDS)-coated MnSe quantum dots in extreme natural environment. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
114	Significant red-luminescence from citrate-gel and hydrothermally derived nanoscale Eu <sup>3+</sup> : Gd <sub>2</sub> O <sub>3</sub> with alkali metal ion (Na <sup>+</sup> , K <sup>+</sup> ) co-doping. Bulletin of Materials Science, 2022, 45, 1.	1.7	1
115	ZnS:Cr Nanostructures Building Fractals and Their Properties. , 2010, , .		0
116	A Model Approach to Fermi Surface Construction for Metallic Nanostructured Systems. Journal of Computational and Theoretical Nanoscience, 2012, 9, 2057-2061.	0.4	0
117	Atypical thermal transport in Cu nanorods in the diffusive-ballistic crossover. Canadian Journal of Physics, 2016, 94, 1241-1244.	1.1	0
118	Studies on electrophoretically deposited nanostructured barium titanate systems and carrier transport phenomena. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	0
119	Modified structural and frequency dependent impedance formalism of nanoscale BaTiO <sub>3</sub> due to Tb inclusion. AIP Conference Proceedings, 2016, , .	0.4	0
120	Introduction of Mixed Phase, Modified Emission and Thermal Stability of Nano-titania with Mild Ag Doping. Current Nanomaterials, 2017, 1, 223-230.	0.4	0
121	Observable Vibronic Modes, Visible Luminescence, and Dewetting Response Mediated via Increased Roughness due to Splitting of WS <sub>2</sub> Nanosheets by Energetic Xe <sup>+</sup> Ions. Physica Status Solidi (B): Basic Research, 2020, 257, 1900546.	1.5	0
122	Imaging Bactericidal Effect of Faceted Ag Nanostructures (F-AgN) on Gram Negative, Coli Form <i>Escherichia coli</i> Bacteria. Journal of Bionanoscience, 2014, 8, 248-254.	0.4	0
123	Structural, optical and frequency dependent dielectric studies of nanoscale Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> processed via non-aqueous route. Materials Today: Proceedings, 2022, , .	1.8	0