

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
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125
all docs

125
docs citations

125
times ranked

1719
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Box-Behnken design in optimization of biodiesel yield using WO ₃ /graphene quantum dot (GQD) system and its kinetics analysis. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 221-232.	4.6	12
2	Significant red-luminescence from citrate-gel and hydrothermally derived nanoscale Eu ³⁺ : Gd ₂ O ₃ with alkali metal ion (Na ⁺ , K ⁺) co-doping. <i>Bulletin of Materials Science</i> , 2022, 45, 1.	1.7	1
3	Featuring exfoliated 2D stacks into fractal-like patterns in WS ₂ /carboxy methyl cellulose nanocomposites. <i>Surfaces and Interfaces</i> , 2022, 29, 101727.	3.0	4
4	Structural, optical and frequency dependent dielectric studies of nanoscale Na _{0.5} Bi _{0.5} TiO ₃ processed via non-aqueous route. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
5	Structural and XPS studies of polyhedral europium doped gadolinium orthovanadate (Eu ³⁺ :GdVO ₄) nanocatalyst for augmented photodegradation against Congo-red. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 143, 115357.	2.7	2
6	Highly symmetric and delayed excitonic emission response and space charge-limited current transport in I ² -irradiated WSe ₂ and WS ₂ nanoflakes. <i>Journal of Materials Research</i> , 2021, 36, 870-883.	2.6	4
7	Revisiting principles, practices and scope of technologically relevant 2D materials. <i>Journal of Materials Research</i> , 2021, 36, 1961-1979.	2.6	3
8	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
9	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
10	Exploiting valence band mapping and select blue-green and red phosphorescence decay of I ³ -irradiated nanoscale Eu ³⁺ : Gd ₂ O ₃ below concentration quenching. <i>Optical Materials</i> , 2021, 122, 111627.	3.6	2
11	Emergence of Raman active D- band and unusually suppressed conductivity mediated by nanoscale defects in pencil-lead graphitic systems under 80 keV Xe ⁺ ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 463, 1-6.	1.4	6
12	Observable Vibronic Modes, Visible Luminescence, and Dewetting Response Mediated via Increased Roughness due to Splitting of WS ₂ Nanosheets by Energetic Xe ⁺ Ions. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900546.	1.5	0
13	Perceptible exciton-to-trion conversion and signature of defect mediated vibronic modes and spin relaxation in nanoscale WS ₂ exposed to I ³ -rays. <i>Nanotechnology</i> , 2020, 31, 285706.	2.6	12
14	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
15	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
16	Influence of mild Cr ³⁺ 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
17	Noticeable size dispersity and optical stability of sodium dodecyl sulphate (SDS)-coated MnSe quantum dots in extreme natural environment. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	1
18	Thorough evaluation of sweet potato starch and lemon-waste pectin based-edible films with nano-titania inclusions for food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 449-458.	7.5	166

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19	Revealing mechanical, tribological, and surface-wettability features of nanoscale inorganic fullerene-type tungsten disulfide dispersed in a polymer. <i>Journal of Materials Research</i> , 2019, 34, 3666-3677.	2.6	7
20	Magnetocaloric effect of Gd ₂ O ₃ nanorods with 5% Eu-substitution. <i>Applied Surface Science</i> , 2019, 491, 779-783.	6.1	20
21	Enhanced magnetocaloric effect in terbium-doped gadolinium oxide nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 570, 324-327.	2.7	7
22	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
23	Evidence of diamond-like carbon phase formation due to 80 keV Xe ⁺ ion impact on pencil-lead graphitic systems with oblique angle incidence. <i>Europhysics Letters</i> , 2019, 125, 36003.	2.0	4
24	Excitation dependent light emission and enhanced photocatalytic response of WS ₂ /C-dot hybrid nanoscale systems. <i>Journal of Luminescence</i> , 2019, 206, 530-539.	3.1	9
25	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
26	Exfoliated WS ₂ nanosheets: optical, photocatalytic and nitrogen-adsorption/desorption characteristics. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	6
27	<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. <i>Materials Focus</i> , 2018, 7, 94-100.	0.4	11
28	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
29	Inorganic fullerene-type WS ₂ nanoparticles: processing, characterization and its photocatalytic performance on malachite green. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	36
30	Noticeable red emission and Raman active modes in nanoscale gadolinium oxyfluoride (Gd ₄ O ₃ F ₆) systems with Eu ³⁺ inclusion. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	6
31	Temperature responsive gadolinium oxide nanoparticles for hyperthermia application. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
32	Exploring structural colour in uni- and multi-coloured butterfly wings and Ag ⁺ uptake by scales. <i>Europhysics Letters</i> , 2017, 119, 66003.	2.0	2
33	Introduction of Mixed Phase, Modified Emission and Thermal Stability of Nano-titania with Mild Ag Doping. <i>Current Nanomaterials</i> , 2017, 1, 223-230.	0.4	0
34	Atypical thermal transport in Cu nanorods in the diffusive-ballistic crossover. <i>Canadian Journal of Physics</i> , 2016, 94, 1241-1244.	1.1	0
35	Studies on electrophoretically deposited nanostructured barium titanate systems and carrier transport phenomena. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	0
36	Effect of ion irradiation on nanoscale TiS ₂ systems with suppressed Titania phase. <i>Journal of Physics: Conference Series</i> , 2016, 765, 012007.	0.4	4

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37	Investigation of manifestation of optical properties of butterfly wings with nanoscale zinc oxide incorporation. Journal of Physics: Conference Series, 2016, 765, 012019.	0.4	2
38	Sol-hydrothermally derived gadolinium oxide ($Gd_{2}O_{3}$) nanorods and tamarind-like shape evolution under 80 keV C^{6+} ion impact. Radiation Effects and Defects in Solids, 2016, 171, 925-935.	1.2	2
39	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
40	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
41	Evaluation of optoelectronic response and Raman active modes in Tb^{3+} and Eu^{3+} -doped gadolinium oxide ($Gd_{2}O_{3}$) nanoparticle systems. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	14
42	Limiting hydrophobic behavior and reflectance response of dragonfly and damselfly wings. Applied Surface Science, 2016, 387, 609-616.	6.1	11
43	Modified structural and frequency dependent impedance formalism of nanoscale $BaTiO_{3}$ due to Tb inclusion. AIP Conference Proceedings, 2016, , .	0.4	0
44	Interrelated emission and spin-relaxation feature mediated by V^{O} defects in $Gd_{2}O_{3}$ nanorods subjected to swift ion impact. Philosophical Magazine Letters, 2016, 96, 157-164.	1.2	2
45	Oriented attachment (OA) mediated characteristic growth of $Gd_{2}O_{3}$ nanorods from nanoparticle seeds. Journal of Rare Earths, 2016, 34, 158-165.	4.8	18
46	Comparative study of microscopic, spectroscopic and magneto-optic response of ferrofluids subjected to γ -radiation. Indian Journal of Physics, 2015, 89, 115-121.	1.8	1
47	Analytical calculation of chain length in ferrofluids. Bulletin of Materials Science, 2015, 38, 221-226.	1.7	4
48	Luminescence and bio-imaging response of thio-glycolic acid (TGA) and sodium dodecyl sulfate (SDS)-coated fluorescent cadmium selenide quantum dots. Journal of Luminescence, 2015, 161, 395-402.	3.1	13
49	Surface Plasmon Resonance-Based Protein Bio-Sensing Using a Kretschmann Configured Double Prism Arrangement. IEEE Sensors Journal, 2015, 15, 6791-6796.	4.7	25
50	Inverse surface plasmon resonance based effective hydrogen sensing using nanoscale palladium films. Optical Materials, 2015, 39, 273-277.	3.6	7
51	Manifested luminescence and magnetic responses of stoichiometry dependent $Cd_{1-x}Mn_{x}Se$ quantum dots. Materials Research Bulletin, 2015, 62, 71-79.	5.2	2
52	Crystallographic, luminescence and photoconductive characteristics of chemically tailored ZnO nanorods. , 2014, , .		1
53	Teflon impregnated anatase TiO_{2} nanoparticles irradiated by 80 keV Xe ⁺ ions. Nuclear Instruments & Methods in Physics Research B, 2014, 336, 135-142.	1.4	4
54	Augmented photocatalytic activity and luminescence response of Tb^{3+} doped nanoscale titania systems. Journal of Applied Physics, 2014, 116, 144902.	2.5	5

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55	Creation and regulation of ion channels across reconstituted phospholipid bilayers generated by streptavidin-linked magnetite nanoparticles. <i>Physical Review E</i> , 2014, 89, 012707.	2.1	6
56	Recording ion channels across soy-extracted lecithin bilayer generated by water-soluble quantum dots. <i>Philosophical Magazine</i> , 2014, 94, 345-357.	1.6	1
57	Effect of Gd ³⁺ doping on structural, optical and frequency-dependent dielectric response properties of pseudo-cubic BaTiO ₃ nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1057-1067.	2.3	32
58	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
59	Enhanced vacuum-photoconductivity of chemically synthesized ZnO nanostructures. <i>Philosophical Magazine</i> , 2014, 94, 914-924.	1.6	10
60	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
61	Rapid hydrothermal route to synthesize cubic-phase gadolinium oxide nanorods. <i>Bulletin of Materials Science</i> , 2014, 37, 789-796.	1.7	28
62	Imaging Bactericidal Effect of Faceted Ag Nanostructures (FAgN) on Gram Negative, Coli Form <i>Escherichia coli</i> Bacteria. <i>Journal of Bionanoscience</i> , 2014, 8, 248-254.	0.4	0
63	Microwave-assisted poly(glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a "tendrillar"™ nanofibrous polyaniline wrapping and their interaction at bio-interface. <i>Carbon</i> , 2013, 55, 34-43.	10.3	15
64	Optical emission, vibrational feature, and shear-thinning aspect of Tb ³⁺ -doped Gd ₂ O ₃ nanoparticle-based novel ferrofluids irradiated by gamma photons. <i>Journal of Applied Physics</i> , 2013, 114, 134903.	2.5	4
65	Significant Fowler-Nordheim tunneling across ZnO Nanorod based nanojunctions for nanoelectronic device applications. <i>Current Applied Physics</i> , 2013, 13, 705-709.	2.4	6
66	Physical properties of nanoscale TiO ₂ with mild rare earth ion doping. , 2013, , .		1
67	Fragmentation of elongated-shaped ZnO nanostructures into spherical particles by swift ion impact. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 288-294.	2.7	7
68	Properties of hydrothermally processed multi-walled titania nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 49, 39-43.	2.7	4
69	Effective optoelectronic and photocatalytic response of Eu ³⁺ -doped TiO ₂ nanoscale systems synthesized via a rapid condensation technique. <i>Journal of Materials Research</i> , 2013, 28, 1471-1480.	2.6	15
70	Extraction and characterization of mixed phase KNO ₂ KNO ₃ nanocrystals derived from flat-leaf green spinach. <i>Physica Scripta</i> , 2013, 87, 015603.	2.5	5
71	Physical Properties of Nanoscale TiO ₂ ; Related to Ag-Doping and Photochromic Behavior. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 452-456.	0.4	2
72	Production and optoelectronic response of Tb ³⁺ -activated gadolinium oxide nanocrystalline phosphors. <i>EPJ Applied Physics</i> , 2013, 62, 30401.	0.7	16

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73	Magnetically induced optical activity and dichroism of gadolinium oxide nanoparticle-based ferrofluids. <i>Journal of Applied Physics</i> , 2012, 111, 044904.	2.5	6
74	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
75	Probing Spin-Spin and Spin-Lattice Relaxation Through Electron Paramagnetic Resonance Study of Nanoscale WO ₃ System. <i>Materials Express</i> , 2012, 2, 57-63.	0.5	7
76	A Model Approach to Fermi Surface Construction for Metallic Nanostructured Systems. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 2057-2061.	0.4	0
77	Improved and delayed radiative emission response of Eu-doped BaTiO ₃ nanoscale system. <i>EPJ Applied Physics</i> , 2012, 59, 10402.	0.7	6
78	Influence of Mn incorporation on structural, optical emission and polarization switching aspect of PbO-free nanoscale PbTiO ₃ systems. <i>Journal of Materials Research</i> , 2012, 27, 2965-2972.	2.6	3
79	Structural and optoelectronic properties of Eu ²⁺ -doped nanoscale barium titanates of pseudo-cubic form. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	31
80	ZnO nanorod-based UV photodetection and the role of persistent photoconductivity. <i>Philosophical Magazine</i> , 2012, 92, 3909-3919.	1.6	18
81	Characteristic spectroscopic properties of γ -irradiated rare-earth oxide-based ferrofluids. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 586-595.	2.4	6
82	Optical and rheological study of gamma irradiated rare-earth nanoparticle based ferrofluids. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 292, 45-49.	1.4	5
83	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
84	Enhanced magneto-optic activity of magnetite-based ferrofluids subjected to gamma irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 757-763.	2.3	11
85	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
86	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
87	Defect mediated optical emission of randomly oriented ZnO nanorods and unusual rectifying behavior of Schottky nanojunctions. <i>Journal of Applied Physics</i> , 2011, 110, 054316.	2.5	43
88	Physical and Biophysical Characteristics of Nanoscale Tungsten Oxide Particles and Their Interaction with Human Genomic DNA. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 4659-4666.	0.9	7
89	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
90	Peacock feather supported self assembled ZnO nanostructures for tuning photonic properties. <i>European Physical Journal D</i> , 2011, 61, 463-468.	1.3	5

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91	Hydrazine reduced exfoliated graphene/graphene oxide layers and magnetoconductance measurements of Ge-supported graphene layers. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 395-402.	2.3	32
92	Formation of nanoscale tungsten oxide structures and colouration characteristics. <i>Bulletin of Materials Science</i> , 2011, 34, 435-442.	1.7	85
93	Effect of 80-MeV nitrogen ion irradiation on ZnO nanoparticles: Mechanism of selective defect related radiative emission features. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 374-379.	1.4	20
94	Optimum Mn-doping, effective tetragonality, and correlated luminescence characteristics of PbTiO ₃ nanoparticles. <i>Philosophical Magazine Letters</i> , 2011, 91, 423-431.	1.2	2
95	Evolution of ZnO nanoparticles and nanorods: aspect ratio dependent optoelectronic properties. <i>EPJ Applied Physics</i> , 2011, 53, 10602.	0.7	11
96	Synthesis and pore filling mechanism in anatase TiO ₂ nanostructured network mediated by PbS molecular adsorption. <i>Journal of Applied Physics</i> , 2011, 109, 094904.	2.5	8
97	Photonic Properties of Butterfly Wing Infiltrated with Ag-Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2011, 3, 458-462.	0.4	8
98	Role of cohesive energy on the interparticle coalescence behavior of dispersed nanoparticles subjected to energetic ion irradiation. <i>Journal of Materials Research</i> , 2010, 25, 814-820.	2.6	6
99	Size quantification of sub-micron ZnSe semiconductor particles by laboratory scattering methods. <i>Indian Journal of Physics</i> , 2010, 84, 705-709.	1.8	6
100	Structural and optical properties of Mn doped ZnS semiconductor nanostructures. <i>Indian Journal of Physics</i> , 2010, 84, 1361-1367.	1.8	15
101	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
102	Directed growth characteristics and optoelectronic properties of Eu-doped ZnO nanorods and urchins. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	20
103	ZnS:Cr Nanostructures Building Fractals and Their Properties. , 2010, , .		0
104	Two Photon Emission and Nonlinear Optical Imaging of Acetonitrile-Treated Quasi-Spherical Nanoscale PbS Systems. <i>IEEE Photonics Journal</i> , 2010, 2, 1060-1068.	2.0	6
105	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
106	Structural and ferroelectric properties of solid-state derived carbonate-free barium titanate (BaTiO ₃) nanoscale particles. <i>Scripta Materialia</i> , 2009, 61, 891-894.	5.2	32
107	Studies of optical properties and SHI irradiation on PbS sensitized nanoporous TiO ₂ network. <i>Journal of Optics (India)</i> , 2009, 38, 169-176.	1.7	1
108	Fabrication of ZnO nanorods for optoelectronic device applications. <i>Indian Journal of Physics</i> , 2009, 83, 553-558.	1.8	21

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109	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
110	Rheological Properties of Iron Oxide Based Ferrofluids. , 2009, , .		9
111	Photochromism and magneto-optic response of ZnO:Mn semiconductor quantum dots fabricated by microemulsion route. <i>Open Physics</i> , 2008, 6, .	1.7	5
112	Development principles and production of paired PbS quantum dots. <i>EPJ Applied Physics</i> , 2008, 41, 129-132.	0.7	3
113	Interfacial charge transfer mechanism in nanostructured TiO ₂ –ZnS coupled network for single electron device applications. <i>Journal of Applied Physics</i> , 2007, 101, 044302.	2.5	9
114	Scanning probe microscopy, luminescence and third harmonic generation studies of elongated CdS:Mn nanostructures developed by energetic oxygen-ion-impact. <i>EPJ Applied Physics</i> , 2006, 35, 29-36.	0.7	10
115	Influence of ion bombardment on the photoluminescence response of embedded CdS nanoparticles. <i>Open Physics</i> , 2006, 4, .	1.7	8
116	Properties of 80-MeV oxygen ion irradiated ZnS:Mn nanoparticles and exploitation in nanophotonics. <i>Journal of Nanoparticle Research</i> , 2006, 8, 645-652.	1.9	8
117	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
118	Effect of 160MeV Ni ¹²⁺ ion irradiation on PbS quantum dots. <i>Journal of Luminescence</i> , 2005, 114, 95-100.	3.1	31
119	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
120	Frequency dependent electrical properties of nano-CdS/Ag junctions. <i>European Physical Journal B</i> , 2005, 45, 63-68.	1.5	7
121	SHI-induced grain growth and grain fragmentation effects in polymer-embedded CdS quantum dot systems. <i>Materials Letters</i> , 2004, 58, 3694-3699.	2.6	46
122	Irradiation induced grain growth and surface emission enhancement of chemically tailored ZnS : Mn/PVOH nanoparticles by Cl ⁺⁹ ion impact. <i>Bulletin of Materials Science</i> , 2003, 26, 289-294.	1.7	37
123	Optical absorption study of 100-MeV chlorine ion-irradiated hydroxyl-free ZnO semiconductor quantum dots. <i>Journal of Applied Physics</i> , 2002, 92, 7149-7152.	2.5	23