

S Ponnusamy

List of Publications by Year in descending order

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148
papers

4,575
citations

116194

36
h-index

145109

60
g-index

149
all docs

149
docs citations

149
times ranked

6340
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Sr doping in ZnO microspheres for solar light-driven photodegradation of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8777-8788.	1.1	6
2	Synergic effect of Sn-doped TiO ₂ nanostructures for enhanced visible light photocatalysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9066-9084.	1.1	5
3	Efficient catalytic activity of BiVO ₄ nanostructures by crystal facet regulation for environmental remediation. <i>Chemosphere</i> , 2022, 289, 133097.	4.2	22
4	High-performance carbon derived from chickpea skin via microwave and slow pyrolysis for supercapacitors. <i>Materials Letters</i> , 2022, 314, 131872.	1.3	3
5	Controlled grain boundary interfaces of reduced graphene oxide in Ag ₂ Se matrix for low lattice thermal conductivity and enhanced power factor for thermoelectric applications. <i>Journal of Power Sources</i> , 2022, 525, 231045.	4.0	10
6	A facile synthesis of Zn-doped TiO ₂ nanostructures for enhanced photocatalytic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9798-9813.	1.1	2
7	Improved supercapacitor performance based on sustainable synthesis using chemically activated porous carbon. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164287.	2.8	12
8	Conductometric NO ₂ gas sensor based on Co-incorporated MoS ₂ nanosheets for room temperature applications. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131600.	4.0	38
9	Interface driven energy-filtering and phonon scattering of polyaniline incorporated ultrathin layered molybdenum disulphide nanosheets for promising thermoelectric performance. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 295-309.	5.0	20
10	High-performance electrocatalytic and cationic substitution in Cu ₂ ZnSnS ₄ as a low-cost counter electrode for Pt-free dye-sensitized solar cells. <i>Journal of Materials Science</i> , 2021, 56, 4135-4150.	1.7	13
11	Surface Modification of ZnO Nanowires with CuO: A Tool to Realize Highly-Sensitive H ₂ S Sensor. <i>Physics of the Solid State</i> , 2021, 63, 460-467.	0.2	3
12	A novel strategy of nanosized herbal <i>Plectranthus amboinicus</i> , <i>Phyllanthus niruri</i> and <i>Euphorbia hirta</i> treated TiO ₂ nanoparticles for antibacterial and anticancer activities. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1593-1616.	1.7	9
13	NO ₂ sensor based on Al modified ZnO nanowires. <i>Materials Science in Semiconductor Processing</i> , 2021, 134, 106027.	1.9	14
14	Oxide-based catalysis: tailoring surface structures via organic ligands and related interfacial charge carrier for environmental remediation. <i>RSC Advances</i> , 2021, 11, 19059-19069.	1.7	0
15	Interface enriched highly interlaced layered MoS ₂ /NiS ₂ nanocomposites for the photocatalytic degradation of rhodamine B dye. <i>RSC Advances</i> , 2021, 11, 19283-19293.	1.7	17
16	Hydrothermal synthesis of pure and bio modified TiO ₂ : Characterization, evaluation of antibacterial activity against gram positive and gram negative bacteria and anticancer activity against KB Oral cancer cell line. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3484-3497.	2.3	34
17	Syntheses and characterization of <i>Syzygium aromaticum</i> , <i>Elettaria cardamomum</i> and <i>Cinnamomum verum</i> modified TiO ₂ and their biological applications. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104724.	1.9	8
18	Growth and influence of Gd doping on ZnO nanostructures for enhanced optical, structural properties and gas sensing applications. <i>Applied Surface Science</i> , 2020, 499, 143857.	3.1	60

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19	Effect of ethylenediamine on morphology of 2D Co-Mo-S@NG hybrids and their enhanced electrocatalytic activity for DSSCs application. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104725.	1.9	7
20	Hierarchical NiO@NiS@graphene nanocomposite as a sustainable counter electrode for Pt free dye-sensitized solar cell. <i>Applied Surface Science</i> , 2020, 501, 144010.	3.1	44
21	Synthesis and functional properties of nanostructured Gd-doped WO ₃ /TiO ₂ composites for sensing applications. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104732.	1.9	28
22	Synthesis and characterization of TiO ₂ nanorods by hydrothermal method with different pH conditions and their photocatalytic activity. <i>Applied Surface Science</i> , 2020, 500, 144058.	3.1	75
23	Thermoelectric performance of Cu-doped MoS ₂ layered nanosheets for low grade waste heat recovery. <i>Applied Surface Science</i> , 2020, 505, 144066.	3.1	30
24	Cytotoxicity assessment of chitosan coated CdS nanoparticles for bio-imaging applications. <i>Applied Surface Science</i> , 2020, 499, 143817.	3.1	44
25	One-step fabrication of ultrathin layered 1T@2H phase MoS ₂ with high catalytic activity based counter electrode for photovoltaic devices. <i>Journal of Materials Science and Technology</i> , 2020, 51, 94-101.	5.6	30
26	Bio-modified TiO ₂ nanoparticles with <i>Withania somnifera</i> , <i>Eclipta prostrata</i> and <i>Glycyrrhiza glabra</i> for anticancer and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 108, 110457.	3.8	40
27	Improvement of Photocatalytic Activity by Zn Doping in Cu ₂ O. <i>Physics of the Solid State</i> , 2020, 62, 1796-1802.	0.2	9
28	Effect of densification technique and carrier concentration on the thermoelectric properties of n-type Cu _{1.45} Ni _{1.45} Te ₂ ternary compound. <i>CrystEngComm</i> , 2020, 22, 8100-8109.	1.3	2
29	Enhanced seebeck coefficient and low thermal conductivity of Cu ₂ SexTe _{1-x} solid solutions via minority carrier blocking and interfacial effects. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155188.	2.8	9
30	Hydrothermal syntheses and characterization of bio-modified TiO ₂ nanoparticles with Aqua Rosa and Protein powder for their biological applications. <i>Applied Surface Science</i> , 2019, 494, 989-999.	3.1	6
31	Hydrothermal synthesis of C doped ZnO nanoparticles coupled with BiVO ₄ and their photocatalytic performance under the visible light irradiation. <i>Applied Surface Science</i> , 2019, 494, 771-782.	3.1	29
32	Effect of organic ligand on ZnO nanostructures and to investigate the photocatalytic activity under visible light illumination. <i>Materials Science in Semiconductor Processing</i> , 2019, 103, 104608.	1.9	5
33	Synthesis and photocatalytic activity of Gd doped ZnO nanoparticles for enhanced degradation of methylene blue under visible light. <i>Materials Science in Semiconductor Processing</i> , 2019, 103, 104622.	1.9	81
34	Design and fabrication of PANI/GO nanocomposite for enhanced room-temperature thermoelectric application. <i>Applied Surface Science</i> , 2019, 493, 1350-1360.	3.1	44
35	Synergistic effect and enhanced electrical properties of TiO ₂ /SnO ₂ /ZnO nanostructures as electron extraction layer for solar cell application. <i>Applied Surface Science</i> , 2019, 498, 143702.	3.1	22
36	Growth of Fe doped ZnO nanoellipsoids for selective NO ₂ gas sensing application. <i>Chemical Physics Letters</i> , 2019, 734, 136725.	1.2	29

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37	Hierarchically porous structured carbon derived from peanut shell as an enhanced high rate anode for lithium ion batteries. Applied Surface Science, 2019, 492, 464-472.	3.1	35
38	Etching and microhardness studies of pure and doped nonlinear optical crystals of Hippuric acid. Applied Surface Science, 2019, 491, 123-127.	3.1	0
39	Zn and Sr co-doped TiO ₂ mesoporous nanospheres as photoanodes in dye sensitized solar cell. Materials Chemistry and Physics, 2019, 234, 259-267.	2.0	13
40	Ultra-low thermal conductivity via interfacial phonon scattering in PbTe hoppercubes/PbTeO ₃ microrods for thermoelectric applications. Journal of Alloys and Compounds, 2019, 799, 26-35.	2.8	3
41	Highly efficient 3-D hierarchical Bi ₂ WO ₆ catalyst for environmental remediation. Applied Surface Science, 2019, 488, 696-706.	3.1	29
42	Enhanced charge transfer and separation of hierarchical CuO/ZnO composites: The synergistic effect of photocatalysis for the mineralization of organic pollutant in water. Applied Surface Science, 2019, 484, 884-891.	3.1	85
43	Metal sulfide nanosheet-nitrogen-doped graphene hybrids as low-cost counter electrodes for dye-sensitized solar cells. Applied Surface Science, 2019, 480, 177-185.	3.1	18
44	Surfactant free controllable synthesis of 2D - 1D ZnO hierarchical nanostructure and its gas sensing properties. Applied Surface Science, 2018, 449, 838-845.	3.1	22
45	Electrochemical Behavior of Biomedical Titanium Alloys Coated with Diamond Carbon in Hanks™ Solution. Journal of Materials Engineering and Performance, 2018, 27, 1635-1641.	1.2	16
46	Enhanced photon collection of high surface area carbonate-doped mesoporous TiO ₂ nanospheres in dye sensitized solar cells. Materials Research Bulletin, 2018, 101, 353-362.	2.7	32
47	Spectral, optical, etching, second harmonic generation (SHG) and laser damage threshold studies of nonlinear optical crystals of L-Histidine bromide. Applied Surface Science, 2018, 449, 92-95.	3.1	10
48	ZnO hierarchical 3D-flower like architectures and their gas sensing properties at room temperature. Applied Surface Science, 2018, 449, 314-321.	3.1	32
49	Effect of Al doping on the electrical and optical properties of TiO ₂ embedded Graphene Oxide nanosheets for opto-electronic applications. Applied Surface Science, 2018, 449, 332-339.	3.1	13
50	Ultra-fast photocatalytic and dye-sensitized solar cell performances of mesoporous TiO ₂ nanospheres. Applied Surface Science, 2018, 449, 729-735.	3.1	16
51	Chemical synthesis of highly size-confined triethylamine-capped TiO ₂ nanoparticles and its dye-sensitized solar cell performance. Bulletin of Materials Science, 2018, 41, 1.	0.8	1
52	Tuning the selectivity of NH ₃ gas sensing response using Cu-doped ZnO nanostructures. Sensors and Actuators A: Physical, 2018, 269, 331-341.	2.0	93
53	Sensitivity enhancement of ammonia gas sensor based on Ag/ZnO flower and nanoellipsoids at low temperature. Sensors and Actuators B: Chemical, 2018, 255, 672-683.	4.0	199
54	Biocompatible response of hydroxyapatite coated on near- β titanium alloys by E-beam evaporation method. Biocatalysis and Agricultural Biotechnology, 2018, 15, 364-369.	1.5	14

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55	Ultrathin layered MoS ₂ nanosheets with rich active sites for enhanced visible light photocatalytic activity. RSC Advances, 2018, 8, 26664-26675.	1.7	54
56	Synthesis of ZnO/SrO nanocomposites for enhanced photocatalytic activity under visible light irradiation. Applied Surface Science, 2017, 418, 147-155.	3.1	36
57	Fabrication of the flexible nanogenerator from BTO nanopowders on graphene coated PMMA substrates by sol-gel method. Materials Chemistry and Physics, 2017, 192, 274-281.	2.0	24
58	Surfactant free synthesis of CdS nanospheres, microstructural analysis, chemical bonding, optical properties and photocatalytic activities. Superlattices and Microstructures, 2017, 104, 247-257.	1.4	36
59	Functional properties and enhanced visible light photocatalytic performance of V ₃ O ₄ nanostructures decorated ZnO nanorods. Applied Surface Science, 2017, 418, 171-178.	3.1	19
60	Crystal growth and properties of novel organic nonlinear optical crystals of 4-Nitrophenol urea. Materials Chemistry and Physics, 2017, 195, 224-228.	2.0	10
61	Visible light induced photocatalytic degradation of methylene blue and rhodamine B from the catalyst of CdS nanowire. Chemical Physics Letters, 2017, 684, 126-134.	1.2	47
62	Synthesis of cluster like TiO ₂ mesoporous spheres and nanorods and their applications in dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 14935-14943.	1.1	0
63	Growth, microstructure, structural and optical properties of PVP-capped CdS nanoflowers for efficient photocatalytic activity of Rhodamine B. Materials Research Bulletin, 2017, 94, 190-198.	2.7	37
64	Low temperature ammonia gas sensor based on Mn-doped ZnO nanoparticle decorated microspheres. Journal of Alloys and Compounds, 2017, 721, 182-190.	2.8	122
65	Enhancement of power factor by energy filtering effect in hierarchical BiSbTe ₃ nanostructures for thermoelectric applications. Applied Surface Science, 2017, 418, 246-251.	3.1	17
66	Hydrothermal growth of highly monodispersed TiO ₂ nanoparticles: Functional properties and dye-sensitized solar cell performance. Applied Surface Science, 2017, 418, 186-193.	3.1	7
67	0.8 V nanogenerator for mechanical energy harvesting using bismuth titanate/PDMS nanocomposite. Applied Surface Science, 2017, 418, 362-368.	3.1	21
68	Influence of organic ligands on the formation and functional properties of CdS nanostructures. Applied Surface Science, 2017, 418, 346-351.	3.1	9
69	Controlled structural and compositional characteristic of visible light active ZnO/CuO photocatalyst for the degradation of organic pollutant. Applied Surface Science, 2017, 418, 103-112.	3.1	137
70	Influence of Al doping on the structural, morphological, optical, and gas sensing properties of ZnO nanorods. Journal of Alloys and Compounds, 2017, 698, 555-564.	2.8	162
71	Microstructure, structural, optical and piezoelectric properties of BiFeO ₃ nanopowder synthesized from sol-gel. Current Applied Physics, 2017, 17, 409-416.	1.1	26
72	Controlled synthesis of Ni-doped ZnO hexagonal microdiscs and their gas sensing properties at low temperature. Chemical Physics Letters, 2017, 689, 92-99.	1.2	56

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73	Synergetic effect of CuS@ZnS nanostructures on photocatalytic degradation of organic pollutant under visible light irradiation. RSC Advances, 2017, 7, 34366-34375.	1.7	40
74	Highly efficient dye-sensitized solar cell performance from template derived high surface area mesoporous TiO ₂ nanospheres. RSC Advances, 2016, 6, 68092-68099.	1.7	20
75	Photocatalytic properties of Mn-doped NiO spherical nanoparticles synthesized from sol-gel method. Optik, 2016, 127, 10727-10734.	1.4	93
76	Enhanced visible light induced photocatalytic activity on the degradation of organic pollutants by SnO nanoparticle decorated hierarchical ZnO nanostructures. RSC Advances, 2016, 6, 89721-89731.	1.7	42
77	ZnS/CuS nanocomposites: an effective strategy to transform UV active ZnS to UV and Vis light active ZnS. Journal of Materials Science: Materials in Electronics, 2016, 27, 9022-9033.	1.1	8
78	Effect of organic-ligands on the toxicity profiles of CdS nanoparticles and functional properties. Colloids and Surfaces B: Biointerfaces, 2015, 126, 407-413.	2.5	17
79	Effect of TEA on the structural and magnetic properties of ferromagnetic ZnFe ₂ O ₄ nanoparticles. Journal of Materials Science: Materials in Electronics, 2015, 26, 547-553.	1.1	4
80	Solvothermal growth of diethylamine capped TiO ₂ nanoparticles and functional properties. Journal of Materials Science: Materials in Electronics, 2015, 26, 2380-2383.	1.1	1
81	Growth and characterization of a third order nonlinear optical single crystal: Ethylenediamine-4-nitrophenolate monohydrate. Materials Research Bulletin, 2015, 70, 809-816.	2.7	19
82	Chemical synthesis and functional properties of multi-ligands passivated lead sulfide nanoparticles. Materials Letters, 2015, 158, 75-79.	1.3	3
83	Growth and characterization of Piperazinium adipate: A third order NLO single crystal. Journal of Crystal Growth, 2015, 426, 103-109.	0.7	42
84	Fabrication of bistable switching device using CdS nanorods embedded in PMMA (polymethylmethacrylate) nanocomposite. Journal of Materials Science: Materials in Electronics, 2015, 26, 9010-9015.	1.1	6
85	Chemical synthesis and properties of spindle-like CuO nanostructures with porous nature. Materials Letters, 2015, 139, 59-62.	1.3	17
86	Amino acid-mediated synthesis of zinc oxide nanostructures and evaluation of their facet-dependent antimicrobial activity. Colloids and Surfaces B: Biointerfaces, 2014, 117, 233-239.	2.5	67
87	Investigation of photocatalytic behavior of l-aspartic acid stabilized Zn(1-x)MnxS solid solutions on methylene blue. Applied Catalysis A: General, 2014, 476, 1-8.	2.2	12
88	Controlled synthesis and morphological investigation of self-assembled CuO nanostructures. Materials Letters, 2014, 121, 129-132.	1.3	20
89	Structural, morphological and magnetic properties of hydrothermally synthesized ZnFe ₂ O ₄ nanoparticles. Journal of Materials Science: Materials in Electronics, 2014, 25, 2583-2588.	1.1	14
90	One pot facile hydrothermal synthesis of superparamagnetic ZnFe ₂ O ₄ nanoparticles and their properties. Journal of Sol-Gel Science and Technology, 2014, 71, 147-151.	1.1	13

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91	Synthesis of dumbbell shaped ZnO crystals using one-pot hydrothermal method and their characterisations. <i>Materials Letters</i> , 2014, 122, 230-233.	1.3	10
92	Chemical synthesis and functional properties of hexamethylenetetramine capped ZnSe nanorods. <i>Materials Letters</i> , 2014, 125, 32-35.	1.3	4
93	Synthesis and characterization of NiFe ₂ O ₄ nanoparticles and nanorods. <i>Journal of Alloys and Compounds</i> , 2013, 563, 6-11.	2.8	169
94	Chemical synthesis and functional properties of magnesium doped ZnSe nanoparticles. <i>Materials Letters</i> , 2013, 100, 54-57.	1.3	14
95	Synthesis of superparamagnetic ZnFe ₂ O ₄ nanoparticle by surfactant assisted hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4279-4283.	1.1	25
96	Synthesis of ZnO nanoflakes by the wet chemical method in the presence of Pb ²⁺ alien cation and their structural and morphological properties. <i>Materials Letters</i> , 2013, 106, 59-62.	1.3	2
97	Synthesis and characterization of SnS/ZnO nanocomposite by chemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4807-4811.	1.1	5
98	Synthesis, growth, spectral, thermal, mechanical and optical properties of piperazinium (meso)tartrate crystal: A third order nonlinear optical material. <i>Journal of Crystal Growth</i> , 2013, 363, 211-219.	0.7	69
99	Chemical synthesis and functional properties of monodispersed lanthanum phosphate nanorods. <i>Materials Letters</i> , 2013, 112, 16-19.	1.3	2
100	Growth and characterization of piperazinium 4-nitrophenolate monohydrate (PNP): A third order nonlinear optical material. <i>Optical Materials</i> , 2013, 35, 1327-1334.	1.7	60
101	Preparation of N-methylaniline capped mesoporous TiO ₂ spheres by simple wet chemical method. <i>Materials Research Bulletin</i> , 2013, 48, 1541-1544.	2.7	2
102	Formation and morphological investigation of petal-like cadmium sulphide nanostructures. <i>Optical Materials</i> , 2013, 35, 1652-1658.	1.7	7
103	Morphology-directed synthesis of ZnO nanostructures and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 24-30.	2.5	86
104	Synthesis, Properties and Heating Characteristics of Bovine Serum Albumin Coated Fe ₃ O ₄ Magnetic Fluid for Magnetic Fluid Hyperthermia Application. <i>Science of Advanced Materials</i> , 2013, 5, 1250-1255.	0.1	2
105	Hydrothermal growth of high surface area anatase TiO ₂ nanoparticles for dye sensitized solar cell. , 2012, , .		0
106	Formation of anatase TiO ₂ nanospheres by simple polymer gel technique. , 2012, , .		0
107	Synthesis, studies and growth mechanism of ferromagnetic NiFe ₂ O ₄ nanosheet. <i>Applied Surface Science</i> , 2012, 258, 6648-6652.	3.1	69
108	Structural, thermal, dielectric and magnetic properties of NiFe ₂ O ₄ nanoleaf. <i>Journal of Alloys and Compounds</i> , 2012, 537, 203-207.	2.8	29

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109	Structural and morphological evolution of CdS nanosheets-based superstructures by surfactant assisted solvothermal method. <i>Materials Chemistry and Physics</i> , 2012, 136, 1038-1043.	2.0	19
110	From zinc oxide nanoparticles to microflowers: A study of growth kinetics and biocidal activity. <i>Materials Science and Engineering C</i> , 2012, 32, 2381-2389.	3.8	51
111	Synthesis and study of magnetic properties of NiFe ₂ O ₄ nanoparticles by PVA assisted auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1011-1015.	1.1	13
112	A simple wet chemical route to synthesize ferromagnetic nickel ferrite nanoparticles in the presence of oleic acid as a surfactant. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1041-1044.	1.1	6
113	Effects of multiple organic ligands on size uniformity and optical properties of ZnSe quantum dots. <i>Materials Research Bulletin</i> , 2012, 47, 1892-1897.	2.7	16
114	Synthesis of wurtzite ZnS nanorods by microwave assisted chemical route. <i>Materials Letters</i> , 2012, 66, 276-279.	1.3	22
115	Preparation and properties of NiFe ₂ O ₄ nanowires. <i>Materials Letters</i> , 2012, 66, 314-317.	1.3	39
116	Synthesis of highly size confined ZnS quantum dots and its functional characteristics. <i>Materials Letters</i> , 2012, 68, 78-81.	1.3	18
117	Synthesis of Fe ₃ O ₄ nanoflowers by one pot surfactant assisted hydrothermal method and its properties. <i>Materials Letters</i> , 2012, 70, 73-75.	1.3	30
118	Organic ligand assisted low temperature synthesis of lead sulfide nanocubes and its optical properties. <i>Materials Letters</i> , 2012, 71, 44-47.	1.3	7
119	Growth and characterization of novel organic optical crystal: Anilinium d-tartrate (ADT). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 265-272.	2.0	20
120	Uniaxial growth of ~100% zinc (tris) thiourea sulphate (ZTS) single crystal by Sankaranarayananâ€™s Ramasamy (SR) method and its characterizations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 265-270.	2.0	7
121	Chemical synthesis of monodispersed ZnSe nanowires and its functional properties. <i>Materials Letters</i> , 2012, 81, 59-61.	1.3	16
122	Monodispersed synthesis of hierarchical wurtzite ZnS nanostructures and its functional properties. <i>Materials Letters</i> , 2012, 81, 209-211.	1.3	10
123	Synthesis of TiO ₂ nanoparticles with mesoporous spherical morphology by a wet chemical method. <i>Materials Letters</i> , 2012, 82, 208-210.	1.3	15
124	Zinc oxide nanoparticles: A study of defect level blueâ€™green emission. <i>Optical Materials</i> , 2012, 34, 817-820.	1.7	25
125	Synthesis and characterization of NiO nanoparticles by solâ€™gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 728-732.	1.1	162
126	Influence of lanthanide ion on the morphology and luminescence properties of cadmium sulphide nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5816-5821.	2.8	7

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127	Structural and magnetic properties of iron, cobalt and nickel nanoparticles. <i>Synthetic Metals</i> , 2011, 161, 1776-1780.	2.1	24
128	Effect of urea and thiourea on nonlinear optical hippuric acid crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1273-1278.	1.9	14
129	Synthesis and characterization of nickel ferrite magnetic nanoparticles. <i>Materials Research Bulletin</i> , 2011, 46, 2208-2211.	2.7	137
130	Preparation and properties of nickel ferrite (NiFe ₂ O ₄) nanoparticles via sol-gel auto-combustion method. <i>Materials Research Bulletin</i> , 2011, 46, 2204-2207.	2.7	178
131	Observation of magnetic, structural and surface morphological studies of triangle-like nickel nanoplates. <i>Materials Letters</i> , 2011, 65, 310-313.	1.3	2
132	Synthesis and characterization of NiFe ₂ O ₄ nanosheet via polymer assisted co-precipitation method. <i>Materials Letters</i> , 2011, 65, 483-485.	1.3	104
133	Preparation of sheet like polycrystalline NiFe ₂ O ₄ nanostructure with PVA matrices and their properties. <i>Materials Letters</i> , 2011, 65, 1438-1440.	1.3	74
134	Solvothermal synthesis of nickel nanorods and its magnetic, structural and surface morphological behavior. <i>Materials Letters</i> , 2011, 65, 1565-1568.	1.3	10
135	Synthesis and vibrational properties of hematite (α-Fe ₂ O ₃) nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1357-1360.	1.1	10
136	Preparation and characterization of NiFe ₂ O ₄ nanoparticles. <i>Transactions of the Indian Institute of Metals</i> , 2011, 64, 233-234.	0.7	2
137	Organic molecules passivated Mn doped Zinc Selenide quantum dots and its properties. <i>Applied Surface Science</i> , 2011, 257, 7699-7703.	3.1	9
138	Crystal growth, structure and characterizations of a new semiorganic nonlinear optical material L-Alanine zinc chloride. <i>Materials Research Bulletin</i> , 2010, 45, 897-904.	2.7	29
139	Synthesis of organic ligand passivated zinc selenide nanorods via wet chemical route. <i>Materials Letters</i> , 2010, 64, 2094-2097.	1.3	14
140	Effect of strontium chloride on the optical and mechanical properties of glycine crystals. <i>Crystal Research and Technology</i> , 2010, 45, 497-502.	0.6	27
141	Synthesis and properties of Fe ₂ O ₃ nanorods. <i>Crystal Research and Technology</i> , 2010, 45, 965-968.	0.6	55
142	Growth, optical, thermal, piezo and ferroelectric studies on ethylenediamine ditartrate dihydrate (EDADTDH) single crystals. <i>Journal of Crystal Growth</i> , 2010, 312, 1040-1045.	0.7	15
143	Growth and characterization of a solution grown, new organic crystal: L-histidine-4-nitrophenolate 4-nitrophenol (LHPP). <i>Journal of Crystal Growth</i> , 2010, 313, 30-36.	0.7	39
144	Crystal growth and characterizations of L-cystine dihydrobromide A semiorganic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2010, 405, 1119-1124.	1.3	13

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145	Temperature dependence of morphology, structural and optical properties of ZnS nanostructures synthesized by wet chemical route. <i>Journal of Alloys and Compounds</i> , 2010, 506, 249-252.	2.8	22
146	Optical and surface morphological properties of triethylamine passivated lead sulphide nanoparticles. <i>Materials Chemistry and Physics</i> , 2009, 117, 443-447.	2.0	32
147	Optical, structural and surface morphological studies of bean-like triethylamine capped zinc selenide nanostructures. <i>Materials Letters</i> , 2009, 63, 1931-1934.	1.3	20
148	Inorganic surface passivation of CdS nanocrystals resulting in strong luminescence. <i>Journal of Alloys and Compounds</i> , 2009, 486, 844-847.	2.8	7