

Chellamuthu Muthamizhchelvan

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#	Paper	IF	Citations
138	Sensitivity enhancement of ammonia gas sensor based on Ag/ZnO flower and nanoellipsoids at low temperature. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 672-683	8.5	148
137	Synthesis and characterization of NiO nanoparticles by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 728-732	2.1	128
136	Optical and Raman scattering studies on SnS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5843-5847	5.7	128
135	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	5.1	124
134	Synthesis and characterization of NiFe ₂ O ₄ nanoparticles and nanorods. <i>Journal of Alloys and Compounds</i> , 2013 , 563, 6-11	5.7	123
133	Influence of Al doping on the structural, morphological, optical, and gas sensing properties of ZnO nanorods. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 555-564	5.7	122
132	Fabrication of hierarchical NiCo ₂ S ₄ @CoS ₂ nanostructures on highly conductive flexible carbon cloth substrate as a hybrid electrode material for supercapacitors with enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2019 , 293, 328-337	6.7	121
131	Synthesis and characterization of nickel ferrite magnetic nanoparticles. <i>Materials Research Bulletin</i> , 2011 , 46, 2208-2211	5.1	93
130	Controlled structural and compositional characteristic of visible light active ZnO/CuO photocatalyst for the degradation of organic pollutant. <i>Applied Surface Science</i> , 2017 , 418, 103-112	6.7	90
129	Low temperature ammonia gas sensor based on Mn-doped ZnO nanoparticle decorated microspheres. <i>Journal of Alloys and Compounds</i> , 2017 , 721, 182-190	5.7	85
128	Synthesis and characterization of NiFe ₂ O ₄ nanosheet via polymer assisted co-precipitation method. <i>Materials Letters</i> , 2011 , 65, 483-485	3.3	83
127	Morphology-directed synthesis of ZnO nanostructures and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 24-30	6	77
126	Carrier separation and charge transport characteristics of reduced graphene oxide supported visible-light active photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5179-91	3.6	68
125	Preparation of sheet like polycrystalline NiFe ₂ O ₄ nanostructure with PVA matrices and their properties. <i>Materials Letters</i> , 2011 , 65, 1438-1440	3.3	64
124	Tuning the selectivity of NH ₃ gas sensing response using Cu-doped ZnO nanostructures. <i>Sensors and Actuators A: Physical</i> , 2018 , 269, 331-341	3.9	64
123	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	1.6	59
122	Synthesis, studies and growth mechanism of ferromagnetic NiFe ₂ O ₄ nanosheet. <i>Applied Surface Science</i> , 2012 , 258, 6648-6652	6.7	57

121	Enhanced charge transfer and separation of hierarchical CuO/ZnO composites: The synergistic effect of photocatalysis for the mineralization of organic pollutant in water. <i>Applied Surface Science</i> , 2019 , 484, 884-891	6.7	54
120	Synthesis and properties of Fe ₂ O ₃ nanorods. <i>Crystal Research and Technology</i> , 2010 , 45, 965-968	1.3	50
119	Amino acid-mediated synthesis of zinc oxide nanostructures and evaluation of their facet-dependent antimicrobial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 233-9	6	46
118	Growth and characterization of piperazinium 4-nitrophenolate monohydrate (PNP): A third order nonlinear optical material. <i>Optical Materials</i> , 2013 , 35, 1327-1334	3.3	45
117	Controlled synthesis of Ni-doped ZnO hexagonal microdiscs and their gas sensing properties at low temperature. <i>Chemical Physics Letters</i> , 2017 , 689, 92-99	2.5	42
116	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	8.3	42
115	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	4.3	38
114	Visible light induced photocatalytic degradation of methylene blue and rhodamine B from the catalyst of CdS nanowire. <i>Chemical Physics Letters</i> , 2017 , 684, 126-134	2.5	36
113	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	6.7	34
112	Growth and characterization of Piperazinium adipate: A third order NLO single crystal. <i>Journal of Crystal Growth</i> , 2015 , 426, 103-109	1.6	33
111	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	1.6	33
110	Enhanced visible light induced photocatalytic activity on the degradation of organic pollutants by SnO nanoparticle decorated hierarchical ZnO nanostructures. <i>RSC Advances</i> , 2016 , 6, 89721-89731	3.7	32
109	Preparation and properties of NiFe ₂ O ₄ nanowires. <i>Materials Letters</i> , 2012 , 66, 314-317	3.3	31
108	Growth, microstructure, structural and optical properties of PVP-capped CdS nanoflowers for efficient photocatalytic activity of Rhodamine B. <i>Materials Research Bulletin</i> , 2017 , 94, 190-198	5.1	30
107	Real-time quantification of hydrogen peroxide production in living cells using NiCo ₂ S ₄ @CoS ₂ heterostructure. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 124-130	8.5	30
106	Synthesis and characterization of SnS nanosheets through simple chemical route. <i>Materials Letters</i> , 2011 , 65, 1148-1150	3.3	29
105	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	6.7	28
104	Surfactant free synthesis of CdS nanospheres, microstructural analysis, chemical bonding, optical properties and photocatalytic activities. <i>Superlattices and Microstructures</i> , 2017 , 104, 247-257	2.8	27

103	ZnO hierarchical 3D-flower like architectures and their gas sensing properties at room temperature. <i>Applied Surface Science</i> , 2018 , 449, 314-321	6.7	27
102	Optical and surface morphological properties of triethylamine passivated lead sulphide nanoparticles. <i>Materials Chemistry and Physics</i> , 2009 , 117, 443-447	4.4	27
101	Synthesis of ZnO/SrO nanocomposites for enhanced photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2017 , 418, 147-155	6.7	26
100	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	3.3	26
99	Structural, thermal, dielectric and magnetic properties of NiFe ₂ O ₄ nanoleaf. <i>Journal of Alloys and Compounds</i> , 2012 , 537, 203-207	5.7	26
98	Enhanced photon collection of high surface area carbonate-doped mesoporous TiO ₂ nanospheres in dye sensitized solar cells. <i>Materials Research Bulletin</i> , 2018 , 101, 353-362	5.1	24
97	Ultrathin layered MoS nanosheets with rich active sites for enhanced visible light photocatalytic activity.. <i>RSC Advances</i> , 2018 , 8, 26664-26675	3.7	24
96	Crystal growth, structure and characterizations of a new semiorganic nonlinear optical material Alanine zinc chloride. <i>Materials Research Bulletin</i> , 2010 , 45, 897-904	5.1	24
95	Effect of strontium chloride on the optical and mechanical properties of glycine crystals. <i>Crystal Research and Technology</i> , 2010 , 45, 497-502	1.3	24
94	Synthesis of wurtzite ZnS nanorods by microwave assisted chemical route. <i>Materials Letters</i> , 2012 , 66, 276-279	3.3	21
93	Zinc oxide nanoparticles: A study of defect level blue-green emission. <i>Optical Materials</i> , 2012 , 34, 817-820	3.3	21
92	ZnCo ₂ O ₄ Nanoflowers Grown on Co ₃ O ₄ Nanowire-Decorated Cu Foams for in Situ Profiling of H ₂ O ₂ in Live Cells and Biological Media. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5049-5060	5.6	20
91	0.8 V nanogenerator for mechanical energy harvesting using bismuth titanate-BDMS nanocomposite. <i>Applied Surface Science</i> , 2017 , 418, 362-368	6.7	19
90	Tailoring multi-metallic nanotubes by copper nanowires with platinum and gold via galvanic replacement route for the efficient methanol oxidation reaction. <i>Electrochimica Acta</i> , 2018 , 282, 792-798	6.7	19
89	Controlled synthesis and morphological investigation of self-assembled CuO nanostructures. <i>Materials Letters</i> , 2014 , 121, 129-132	3.3	19
88	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	5.7	19
87	Fabrication of the flexible nanogenerator from BTO nanopowders on graphene coated PMMA substrates by sol-gel method. <i>Materials Chemistry and Physics</i> , 2017 , 192, 274-281	4.4	18
86	Synthesis of highly size confined ZnS quantum dots and its functional characteristics. <i>Materials Letters</i> , 2012 , 68, 78-81	3.3	18

85	Structural and morphological evolution of CdS nanosheets-based superstructures by surfactant assisted solvothermal method. <i>Materials Chemistry and Physics</i> , 2012 , 136, 1038-1043	4.4	18
84	Optical, structural and surface morphological studies of bean-like triethylamine capped zinc selenide nanostructures. <i>Materials Letters</i> , 2009 , 63, 1931-1934	3.3	18
83	Bio-modified TiO 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	8.3	18
82	Microstructure, structural, optical and piezoelectric properties of BiFeO ₃ nanopowder synthesized from sol-gel. <i>Current Applied Physics</i> , 2017 , 17, 409-416	2.6	17
81	Hierarchically porous structured carbon derived from peanut shell as an enhanced high rate anode for lithium ion batteries. <i>Applied Surface Science</i> , 2019 , 492, 464-472	6.7	17
80	Growth and characterization of novel organic optical crystal: Anilinium D-tartrate (ADT). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 87, 265-72	4.4	17
79	Structural and magnetic properties of iron, cobalt and nickel nanoparticles. <i>Synthetic Metals</i> , 2011 , 161, 1776-1780	3.6	17
78	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	4.3	16
77	Functional properties and enhanced visible light photocatalytic performance of V ₃ O ₄ nanostructures decorated ZnO nanorods. <i>Applied Surface Science</i> , 2017 , 418, 171-178	6.7	15
76	Highly efficient dye-sensitized solar cell performance from template derived high surface area mesoporous TiO ₂ nanospheres. <i>RSC Advances</i> , 2016 , 6, 68092-68099	3.7	15
75	Metal sulfide nanosheet-nitrogen-doped graphene hybrids as low-cost counter electrodes for dye-sensitized solar cells. <i>Applied Surface Science</i> , 2019 , 480, 177-185	6.7	14
74	Growth and characterization of a third order nonlinear optical single crystal: Ethylenediamine-4-nitrophenolate monohydrate. <i>Materials Research Bulletin</i> , 2015 , 70, 809-816	5.1	14
73	Chemical synthesis and properties of spindle-like CuO nanostructures with porous nature. <i>Materials Letters</i> , 2015 , 139, 59-62	3.3	14
72	Surfactant free controllable synthesis of 2D-1D ZnO hierarchical nanostructure and its gas sensing properties. <i>Applied Surface Science</i> , 2018 , 449, 838-845	6.7	14
71	Growth, optical, thermal, piezo and ferroelectric studies on ethylenediamine ditartrate dihydrate (EDADTDH) single crystals. <i>Journal of Crystal Growth</i> , 2010 , 312, 1040-1045	1.6	14
70	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	6.7	13
69	Ultra-fast photocatalytic and dye-sensitized solar cell performances of mesoporous TiO ₂ nanospheres. <i>Applied Surface Science</i> , 2018 , 449, 729-735	6.7	13
68	Effects of multiple organic ligands on size uniformity and optical properties of ZnSe quantum dots. <i>Materials Research Bulletin</i> , 2012 , 47, 1892-1897	5.1	13

67	Synthesis of TiO ₂ nanoparticles with mesoporous spherical morphology by a wet chemical method. <i>Materials Letters</i> , 2012 , 82, 208-210	3.3	13
66	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	2.1	13
65	Growth of large-scale MoS nanosheets on double layered ZnCoO for real-time HS monitoring in live cells. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7453-7465	7.3	12
64	Electrochemical Behavior of Biomedical Titanium Alloys Coated with Diamond Carbon in Hanks's Solution. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 1635-1641	1.6	12
63	Effect of organic-ligands on the toxicity profiles of CdS nanoparticles and functional properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 407-13	6	12
62	Effect of urea and thiourea on nonlinear optical hippuric acid crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 1273-1278	3.9	12
61	Synthesis of organic ligand passivated zinc selenide nanorods via wet chemical route. <i>Materials Letters</i> , 2010 , 64, 2094-2097	3.3	12
60	Enhancement of power factor by energy filtering effect in hierarchical BiSbTe ₃ nanostructures for thermoelectric applications. <i>Applied Surface Science</i> , 2017 , 418, 246-251	6.7	11
59	Growth of Fe doped ZnO nanoellipsoids for selective NO ₂ gas sensing application. <i>Chemical Physics Letters</i> , 2019 , 734, 136725	2.5	11
58	Structural, Dielectric, and Magnetic Studies on Electrospun Magnesium Ferrite-Polyvinylidene Fluoride Core/Shell Composite Fibers. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014 , 27, 557-562	2.5	11
57	Chemical synthesis and functional properties of magnesium doped ZnSe nanoparticles. <i>Materials Letters</i> , 2013 , 100, 54-57	3.3	11
56	Crystal growth and characterizations of L-cystine dihydrobromide as a semiorganic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2010 , 405, 1119-1124	2.8	11
55	Synthesis of dumbbell shaped ZnO crystals using one-pot hydrothermal method and their characterisations. <i>Materials Letters</i> , 2014 , 122, 230-233	3.3	10
54	Crystal growth and properties of novel organic nonlinear optical crystals of 4-Nitrophenol urea. <i>Materials Chemistry and Physics</i> , 2017 , 195, 224-228	4.4	9
53	3-Methylanilinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1153-o1155		9
52	Influence of organic ligands on the formation and functional properties of CdS nanostructures. <i>Applied Surface Science</i> , 2017 , 418, 346-351	6.7	8
51	Synthesis of superparamagnetic cobalt nanoparticles through solvothermal process. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4157-4160	2.1	8
50	One-Pot Microwave Synthesis of Fluorescent Carbogenic Nanoparticles from Triton X-100 for Cell Imaging. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 392-396	2.3	8

49	Solvothermal synthesis of nickel nanorods and its magnetic, structural and surface morphological behavior. <i>Materials Letters</i> , 2011 , 65, 1565-1568	3.3	8
48	Synthesis and vibrational properties of hematite (Fe_2O_3) nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1357-1360	2.1	8
47	Crystal Structure of 2-Chloroanilinium Picrate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005 , 21, X61-X62		8
46	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	9.3	8
45	Effect of Al doping on the electrical and optical properties of TiO_2 embedded Graphene Oxide nanosheets for opto-electronic applications. <i>Applied Surface Science</i> , 2018 , 449, 332-339	6.7	7
44	Uniaxial growth of zinc (tris) thiourea sulphate (ZTS) single crystal by Sankaranarayanan-Ramasamy (SR) method and its characterizations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 94, 265-70	4.4	7
43	Organic molecules passivated Mn doped Zinc Selenide quantum dots and its properties. <i>Applied Surface Science</i> , 2011 , 257, 7699-7703	6.7	7
42	Zn and Sr co-doped TiO_2 mesoporous nanospheres as photoanodes in dye sensitized solar cell. <i>Materials Chemistry and Physics</i> , 2019 , 234, 259-267	4.4	6
41	Fabrication of bistable switching device using CdS nanorods embedded in PMMA (polymethylmethacrylate) nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9010-9015	2.1	6
40	Spectral, optical, etching, second harmonic generation (SHG) and laser damage threshold studies of nonlinear optical crystals of L-Histidine bromide. <i>Applied Surface Science</i> , 2018 , 449, 92-95	6.7	6
39	Organic ligand assisted low temperature synthesis of lead sulfide nanocubes and its optical properties. <i>Materials Letters</i> , 2012 , 71, 44-47	3.3	6
38	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	2.1	6
37	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	5.7	6
36	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	9.1	6
35	Syntheses and characterization of Syzygium aromaticum, Elettaria cardamomum and Cinnamomum verum modified TiO_2 and their biological applications. <i>Materials Science in Semiconductor Processing</i> , 2020 , 105, 104724	4.3	6
34	Hydrothermal growth of highly monodispersed TiO_2 nanoparticles: Functional properties and dye-sensitized solar cell performance. <i>Applied Surface Science</i> , 2017 , 418, 186-193	6.7	5
33	Enhanced seebeck coefficient and low thermal conductivity of $\text{Cu}_2\text{SexTe}_{1-x}$ solid solutions via minority carrier blocking and interfacial effects. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155188	5.7	5
32	Formation and morphological investigation of petal-like cadmium sulphide nanostructures. <i>Optical Materials</i> , 2013 , 35, 1652-1658	3.3	5

31	Inorganic surface passivation of CdS nanocrystals resulting in strong luminescence. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 844-847	5-7	5
30	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	4-3	4
29	Chemical synthesis and functional properties of hexamethylenetetramine capped ZnSe nanorods. <i>Materials Letters</i> , 2014 , 125, 32-35	3-3	4
28	Synthesis and characterization of SnS/ZnO nanocomposite by chemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4807-4811	2-1	4
27	Cyclohexylammonium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o3605-o3607		4
26	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	4-3	4
25	Enhanced Magnetoelectric Effects in Self-Assembled Hemispherical Close-Packed CoFe ₂ O ₃ -Pb(Zr _{0.52} Ti _{0.48})O ₃ Thin Film. <i>Journal of Electronic Materials</i> , 2021 , 50, 1699-1706	1-9	4
24	Ultra-low thermal conductivity via interfacial phonon scattering in PbTe hoppercubes/PbTeO ₃ microrods for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2019 , 799, 26-35	5-7	3
23	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	6-7	3
22	Improvement of Photocatalytic Activity by Zn Doping in Cu ₂ O. <i>Physics of the Solid State</i> , 2020 , 62, 1796-1802		3
21	Synergistic effect of indium nano-inclusions to enhance interface phonon scattering in polycrystalline SnSe for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 157358	5-7	3
20	Chemical synthesis and functional properties of multi-ligands passivated lead sulfide nanoparticles. <i>Materials Letters</i> , 2015 , 158, 75-79	3-3	2
19	Solvothermal preparation of cobalt nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1112-1115	2-1	2
18	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	3-3	2
17	Chemical synthesis and functional properties of monodispersed lanthanum phosphate nanorods. <i>Materials Letters</i> , 2013 , 112, 16-19	3-3	2
16	Preparation of N-methylaniline capped mesoporous TiO ₂ spheres by simple wet chemical method. <i>Materials Research Bulletin</i> , 2013 , 48, 1541-1544	5-1	2
15	Observation of magnetic, structural and surface morphological studies of triangle-like nickel nanoplates. <i>Materials Letters</i> , 2011 , 65, 310-313	3-3	2
14	Preparation and characterization of NiFe ₂ O ₄ nanoparticles. <i>Transactions of the Indian Institute of Metals</i> , 2011 , 64, 233-234	1-2	2

- 13 Triethylaminium picrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o2987-o2989 2
- 12 Magnetolectric Studies of Close-Packed and Hierarchically Ordered CoFe₂O₄/Pb(Zr_{0.52}Ti_{0.48})O₃/La_{0.6}Sr_{0.4}MnO₃/LaNiO₃ Multiferroic Thin Films. *Journal of Electronic Materials*, **2021**, 50, 1678-1685 1.9 2
- 11 Solvothermal growth of diethylamine capped TiO₂ nanoparticles and functional properties. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 2380-2383 2.1 1
- 10 Solvothermal preparation of iron nanosheets. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 1024-1027 2.1 1
- 9 Ethylaminium picrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o1546-o1548 1
- 8 3-(Dimethylammonio)propanaminium dipicrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o2887-o2890 1
- 7 Piperidinium picrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o4379-o4381 1
- 6 Magnetolectric effect in free-standing multiferroic thin film. *Journal of Alloys and Compounds*, **2019**, 787, 1128-1135 5.7 1
- 5 Surface Modification of ZnO Nanowires with CuO: A Tool to Realize Highly-Sensitive H₂S Sensor. *Physics of the Solid State*, **2021**, 63, 460-467 0.8 1
- 4 Synthesis of cluster like TiO₂ mesoporous spheres and nanorods and their applications in dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 14935-14943 2.1
- 3 Etching and microhardness studies of pure and doped nonlinear optical crystals of Hippuric acid. *Applied Surface Science*, **2019**, 491, 123-127 6.7
- 2 1-(4-Methylpiperdinemethyl)-2-(4-bromophenyl)-6-methyl-8-trifluoromethylimidazo[1,2-a][1,8]naphthyridinium picrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o1377-o1380
- 1 1-Dimethylammoniomethyl-6,8-dimethyl-2-phenyl-1,2-dihydroimidazo[1,2-a][1,8]naphthyridine picrate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, o2910-o2912