

Chellamuthu Muthamizhchelvan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

3,350
citations

30
h-index

52
g-index

140
ext. papers

3,931
ext. citations

4.3
avg, IF

5.52
L-index

#	Paper	IF	Citations
138	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
137	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
136	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
135	Magnetoelectric Studies of Close-Packed and Hierarchically Ordered CoFe ₂ O ₄ /Pb(Zr _{0.52} Ti _{0.48})O ₃ /La _{0.6} Sr _{0.4} MnO ₃ /LaNiO ₃ Multiferroic Thin Films. <i>Journal of Electronic Materials</i> , 2021 , 50, 1678-1685	1.9	2
134	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	0.8	1
133	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
132	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	5.7	5
131	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
130	Bio-modified TiO nanoparticles with Withania somnifera, Eclipta prostrata and Glycyrrhiza glabra for anticancer and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020 , 108, 110457	8.3	18
129	Improvement of Photocatalytic Activity by Zn Doping in Cu ₂ O. <i>Physics of the Solid State</i> , 2020 , 62, 1796-1802	10.2	3
128	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
127	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
126	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
125	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
124	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
123	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
122	Growth of Fe doped ZnO nanoellipsoids for selective NO ₂ gas sensing application. <i>Chemical Physics Letters</i> , 2019 , 734, 136725	2.5	11

121	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
120	Etching and microhardness studies of pure and doped nonlinear optical crystals of Hippuric acid. <i>Applied Surface Science</i> , 2019 , 491, 123-127	6.7	
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	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
110	Magnetoelectric effect in free-standing multiferroic thin film. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 1128-1135	5.7	1
109	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
108	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
107	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
106	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
105	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
104	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

103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	Synthesis of cluster like TiO ₂ mesoporous spheres and nanorods and their applications in dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14935-14943	2.1	
90	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
89	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
88	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
87	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
86	0.8 V nanogenerator for mechanical energy harvesting using bismuth titanate/PMMA nanocomposite. <i>Applied Surface Science</i> , 2017 , 418, 362-368	6.7	19

85	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
84	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
83	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
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	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
80	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
79	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
78	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
77	Solvothermal growth of diethylamine capped TiO ₂ nanoparticles and functional properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 2380-2383	2.1	1
76	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
75	Chemical synthesis and functional properties of multi-ligands passivated lead sulfide nanoparticles. <i>Materials Letters</i> , 2015 , 158, 75-79	3.3	2
74	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
73	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
72	Chemical synthesis and properties of spindle-like CuO nanostructures with porous nature. <i>Materials Letters</i> , 2015 , 139, 59-62	3.3	14
71	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
70	Controlled synthesis and morphological investigation of self-assembled CuO nanostructures. <i>Materials Letters</i> , 2014 , 121, 129-132	3.3	19
69	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
68	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

67	Chemical synthesis and functional properties of hexamethylenetetramine capped ZnSe nanorods. <i>Materials Letters</i> , 2014 , 125, 32-35	3-3	4
66	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
65	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
64	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
63	Chemical synthesis and functional properties of magnesium doped ZnSe nanoparticles. <i>Materials Letters</i> , 2013 , 100, 54-57	3-3	11
62	Synthesis of superparamagnetic cobalt nanoparticles through solvothermal process. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4157-4160	2-1	8
61	Solvothermal preparation of cobalt nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1112-1115	2-1	2
60	Solvothermal preparation of iron nanosheets. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1024-1027	2-1	1
59	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
58	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
57	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
56	Chemical synthesis and functional properties of monodispersed lanthanum phosphate nanorods. <i>Materials Letters</i> , 2013 , 112, 16-19	3-3	2
55	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
54	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
53	Formation and morphological investigation of petal-like cadmium sulphide nanostructures. <i>Optical Materials</i> , 2013 , 35, 1652-1658	3-3	5
52	Morphology-directed synthesis of ZnO nanostructures and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 24-30	6	77
51	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
50	Synthesis of wurtzite ZnS nanorods by microwave assisted chemical route. <i>Materials Letters</i> , 2012 , 66, 276-279	3-3	21

49	Preparation and properties of NiFe ₂ O ₄ nanowires. <i>Materials Letters</i> , 2012 , 66, 314-317	3.3	31
48	Synthesis of highly size confined ZnS quantum dots and its functional characteristics. <i>Materials Letters</i> , 2012 , 68, 78-81	3.3	18
47	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
46	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
45	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
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	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
42	Zinc oxide nanoparticles: A study of defect level blue-green emission. <i>Optical Materials</i> , 2012 , 34, 817-820	3.3	21
41	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
40	Synthesis, studies and growth mechanism of ferromagnetic NiFe ₂ O ₄ nanosheet. <i>Applied Surface Science</i> , 2012 , 258, 6648-6652	6.7	57
39	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
38	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
37	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
36	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
35	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	1044 ⁶
34	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
33	Optical and Raman scattering studies on SnS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5843-5847	5.7	128
32	Structural and magnetic properties of iron, cobalt and nickel nanoparticles. <i>Synthetic Metals</i> , 2011 , 161, 1776-1780	3.6	17

31	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
30	Synthesis and characterization of nickel ferrite magnetic nanoparticles. <i>Materials Research Bulletin</i> , 2011 , 46, 2208-2211	5.1	93
29	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
28	Observation of magnetic, structural and surface morphological studies of triangle-like nickel nanoplates. <i>Materials Letters</i> , 2011 , 65, 310-313	3.3	2
27	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
26	Synthesis and characterization of SnS nanosheets through simple chemical route. <i>Materials Letters</i> , 2011 , 65, 1148-1150	3.3	29
25	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
24	Solvothermal synthesis of nickel nanorods and its magnetic, structural and surface morphological behavior. <i>Materials Letters</i> , 2011 , 65, 1565-1568	3.3	8
23	Synthesis and vibrational properties of hematite (Fe ₂ O ₃) nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1357-1360	2.1	8
22	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
21	Organic molecules passivated Mn doped Zinc Selenide quantum dots and its properties. <i>Applied Surface Science</i> , 2011 , 257, 7699-7703	6.7	7
20	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
19	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
18	Synthesis of organic ligand passivated zinc selenide nanorods via wet chemical route. <i>Materials Letters</i> , 2010 , 64, 2094-2097	3.3	12
17	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
16	Synthesis and properties of Fe ₂ O ₃ nanorods. <i>Crystal Research and Technology</i> , 2010 , 45, 965-968	1.3	50
15	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
14	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

13	Crystal growth and characterizations of l-cystine dihydrobromideA semiorganic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2010 , 405, 1119-1124	2.8	11
12	Optical and surface morphological properties of triethylamine passivated lead sulphide nanoparticles. <i>Materials Chemistry and Physics</i> , 2009 , 117, 443-447	4.4	27
11	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
10	Inorganic surface passivation of CdS nanocrystals resulting in strong luminescence. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 844-847	5.7	5
9	Crystal Structure of 2-Cholroanilinium Picrate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005 , 21, X61-X62		8
8	3-Methylanilinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1153-o1155		9
7	1-(4-Methylpiperdinemethyl)-2-(4-bromophenyl)-6-methyl-8-trifluoromethylimidazo[1,2-a][1,8]naphthyridinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1377-o1380		
6	Ethylaminium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1546-o1548		1
5	3-(Dimethylammonio)propanaminium dipicrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o2887-o2890		1
4	1-Dimethylammoniomethyl-6,8-dimethyl-2-phenyl-1,2-dihydroimidazo[1,2-a][1,8]naphthyridine picrate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o2910-o2912		
3	Triethylaminium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o2987-o2989		2
2	Cyclohexylammonium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o3605-o3607		4
1	Piperidinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o4379-o4381		1