

Neerish Revaprasadu

List of Publications by Year in descending order

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191
papers

4,838
citations

101496

36
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198
all docs

198
docs citations

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times ranked

4659
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular precursor route for the phase selective synthesis of $\hat{1}\pm$ -MnS or metastable $\hat{1}^3$ -MnS nanomaterials for magnetic studies and deposition of thin films by AACVD. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106330.	1.9	4
2	Surface Engineered Peroxidase-Mimicking Gold Nanoparticles to Subside Cell Inflammation. <i>Langmuir</i> , 2022, 38, 1877-1887.	1.6	15
3	Phase transformations in the nickel phosphide system induced by transition-metal doping and their electro-catalytic study. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1319-1331.	2.5	7
4	Tuning composition of $\text{CuCo}_{2-x}\text{S}_{4-x}$ "NiCo _{2-x} S _{4-x} solid solutions via solvent-less pyrolysis of molecular precursors for efficient supercapacitance and water splitting. <i>RSC Advances</i> , 2022, 12, 10675-10685.	1.7	14
5	Nickel chalcogenide thin films and nanoparticles from molecular single-source precursors. , 2022, , 281-310.		0
6	Preparation of spin coated PbS thin films using bis-tetrahydroquinolinedithiocarbamatolead(II) complex as a single source precursor. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 1019-1023.	0.9	3
7	Precursor Engineering for the Synthesis of Mixed Anionic Metal (Cu, Mn) Chalcogenide Nanomaterials via Solvent-Less Synthesis. <i>Inorganic Chemistry</i> , 2022, , .	1.9	0
8	Coordination Complexes as Precursors for Semiconductor Thin Films and Nanoparticles. , 2021, , 465-493.		0
9	Synthesis of CdS and PbS nanoparticles by the thermal decomposition of ethyl xanthate complexes in castor oil using the heat-up technique. <i>Materials Science in Semiconductor Processing</i> , 2021, 122, 105493.	1.9	6
10	Synergistically enhanced performance of transition-metal doped Ni_{2-x}P for supercapacitance and overall water splitting. <i>Dalton Transactions</i> , 2021, 50, 11821-11833.	1.6	25
11	Selective Synthesis of Bismuth or Bismuth Selenide Nanosheets from a Metal Organic Precursor: Investigation of their Catalytic Performance for Water Splitting. <i>Inorganic Chemistry</i> , 2021, 60, 1449-1461.	1.9	28
12	Solventless synthesis of nanospinel $\text{Ni}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ (0 $\hat{\%}$ $\hat{\%}$ 1) solid solutions for efficient electrochemical water splitting and supercapacitance. <i>RSC Advances</i> , 2021, 11, 31002-31014.	1.7	17
13	Colloidal synthesis of metal chalcogenide nanomaterials from metal-organic precursors and capping ligand effect on electrocatalytic performance: progress, challenges and future perspectives. <i>Dalton Transactions</i> , 2021, 50, 11347-11359.	1.6	23
14	Crystal structures and physicochemical studies of some novel divalent and trivalent transition metal chelates of N-morpholine-N'-benzoylthiourea. <i>Journal of Molecular Structure</i> , 2021, 1229, 129791.	1.8	8
15	Comparative study on the effect of precursors on the morphology and electronic properties of CdS nanoparticles. <i>Turkish Journal of Chemistry</i> , 2021, 45, 400-409.	0.5	1
16	Understanding Zones of Molecular Dimension in Poly (Lactic Acid) Composites through Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy: Correlation with Tensile Yield Test Measurements. <i>Materials Performance and Characterization</i> , 2021, 10, 489-502.	0.2	0
17	Triphenylphosphine-Assisted Transformation of NiS to Ni_{2-x}P through a Solvent-Less Pyrolysis Route: Synthesis and Electrocatalytic Performance. <i>Inorganic Chemistry</i> , 2021, 60, 11374-11384.	1.9	5
18	Single precursor-based synthesis of transition metal sulfide nanoparticles and evaluation of their antimicrobial, antioxidant and cytotoxic potentials. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2489-2502.	1.6	21

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19	Low temperature scalable synthetic approach enabling high bifunctional electrocatalytic performance of NiCo ₂ S ₄ and CuCo ₂ S ₄ thiospinels. RSC Advances, 2021, 11, 31533-31546.	1.7	6
20	ZnCr-CO ₃ LDH/ruptured tubular g-C ₃ N ₄ composite with increased specific surface area for enhanced photoelectrochemical water splitting. Applied Surface Science, 2020, 508, 145100.	3.1	48
21	Controlled Synthesis of Sb ₂ (S ^x Se ^x) ₃ (0 ≤ x ≤ 1) Solid Solution and the Effect of Composition Variation on Electrocatalytic Energy Conversion and Storage. ACS Applied Energy Materials, 2020, 3, 1448-1460.	2.5	31
22	Flexible Molecular Precursors for Selective Decomposition to Nickel Sulfide or Nickel Phosphide for Water Splitting and Supercapacitance. Chemistry - A European Journal, 2020, 26, 2693-2704.	1.7	30
23	Unusual doping induced phase transitions in NiS via solventless synthesis enabling superior bifunctional electrocatalytic activity. Sustainable Energy and Fuels, 2020, 4, 5132-5143.	2.5	18
24	Bioinspired Synthesis of Acacia senegal Leaf Extract Functionalized Silver Nanoparticles and Its Antimicrobial Evaluation. Journal of Nanomaterials, 2020, 2020, 1-8.	1.5	5
25	Co-assembled ZnO-Fe ₂ O ₃ -CuO nano-oxide materials for antibacterial protection. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 981-987.	0.8	3
26	Direct solvent free synthesis of bare NiS, Ni ₂ S and NiS-Ni ₂ S composite as excellent electrocatalysts: Effect of self-capping on supercapacitance and overall water splitting activity. Scientific Reports, 2020, 10, 3260.	1.6	73
27	Cobalt sulfide nanoparticles: Synthesis, water splitting and supercapacitance studies. Materials Science in Semiconductor Processing, 2020, 109, 104925.	1.9	29
28	A facile approach to synthesis graphene oxide/bismuth oxide nanocomposites and their superior sunlight driven photocatalytic activity. Optik, 2019, 197, 163035.	1.4	10
29	Cytotoxicity and in vitro evaluation of whey protein-based hydrogels for diabetes mellitus treatment. International Journal of Industrial Chemistry, 2019, 10, 213-223.	3.1	2
30	Morphological influence of deposition routes on lead sulfide thin films. Inorganica Chimica Acta, 2019, 498, 119116.	1.2	7
31	Synthesis and characterization of Z-scheme Ni-Fe ₂ O ₃ NTs/ruptured tubular g-C ₃ N ₄ for enhanced photoelectrochemical water oxidation. Solar Energy, 2019, 193, 403-412.	2.9	55
32	Cadmium Chloride and Cadmium Iodide Thiosemicarbazone Complexes as Single Source Precursors for CdS Nanoparticles. Russian Journal of Inorganic Chemistry, 2019, 64, 1063-1071.	0.3	5
33	Metal selenobenzoate complexes: Novel single source precursors for the synthesis of metal selenide semiconductor nanomaterials. Materials Today: Proceedings, 2019, 10, 66-74.	0.9	11
34	Cashew nut shell: a potential bio-resource for the production of bio-sourced chemicals, materials and fuels. Green Chemistry, 2019, 21, 1186-1201.	4.6	75
35	Synthesis of (Bi _x Sb _x) ₂ S ₃ solid solutions via thermal decomposition of bismuth and antimony piperidinedithiocarbamates. RSC Advances, 2019, 9, 15836-15844.	1.7	14
36	A Facile Green Synthesis of Ultranarrow PbS Nanorods. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2274-2281.	1.9	3

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37	Effect of Cu, Ni and Pb doping on the photo-electrochemical activity of ZnO thin films. RSC Advances, 2019, 9, 7729-7736.	1.7	71
38	3D hybrid perovskite solid solutions: a facile approach for deposition of nanoparticles and thin films <i>via</i> B-site substitution. New Journal of Chemistry, 2019, 43, 5448-5454.	1.4	5
39	The effect of Cu-doping on CdS thin films deposited by the spray pyrolysis technique. Journal of Materials Research and Technology, 2019, 8, 2021-2030.	2.6	78
40	Synthesis of Off-stoichiometric CoS Nanoplates from a Molecular Precursor for Efficient H ₂ /O ₂ Evolution and Supercapacitance. ChemElectroChem, 2019, 6, 2560-2569.	1.7	40
41	Electrochemical investigation of uncapped AgBiS ₂ (schapbachite) synthesized using <i>in situ</i> melts of xanthate precursors. Dalton Transactions, 2019, 48, 3714-3722.	1.6	34
42	Progress in selenium based metal-organic precursors for main group and transition metal selenide thin films and nanomaterials. Coordination Chemistry Reviews, 2019, 388, 24-47.	9.5	50
43	Important Phase Control of Indium Sulfide Nanomaterials by Choice of Indium(III) Xanthate Precursor and Thermolysis Temperature. European Journal of Inorganic Chemistry, 2019, 2019, 1421-1432.	1.0	11
44	Phase transition in Cu _{2+x} SnS _{3+y} (0 ≤ x ≤ 2; 0 ≤ y ≤ 1) ternary systems synthesized from complexes of coumarin derived thiocarbamate motifs: optical and morphological properties. RSC Advances, 2019, 9, 35706-35716.	1.7	16
45	Tailoring Shape and Crystallographic Phase of Copper Sulfide Nanostructures Using Novel Thiourea Complexes as Single Source Precursors. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 917-927.	1.9	7
46	Tannic acid-derivatized graphitic carbon nitride quantum dots as an on-off-fluorescent nanoprobe for ascorbic acid via copper(II) mediation. Mikrochimica Acta, 2019, 186, 87.	2.5	25
47	Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy: A Tool to Determine Reinforcement of Carbon Black in Polylactic Acid Composites. Materials Performance and Characterization, 2019, 8, 20190146.	0.2	4
48	Crystal structure of 4-ethylpiperazine-1-carbothioic dithioperoxyanhydride, C ₁₄ H ₂₆ N ₄ S ₄ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 1035-1036.	0.1	0
49	Preparation of Iron Sulfide Nanomaterials from Iron(II) Thiosemicarbazone Complexes and Their Application in Photodegradation of Methylene Blue. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 603-611.	1.9	9
50	Phase pure Ni ₃ S ₂ and NiS from bis(η ² -ethyl-N-piperazinylcarbodithioato-S), η ² -nickel(II) <i>via</i> solvent thermolysis and aerosol assisted chemical vapour deposition. New Journal of Chemistry, 2018, 42, 6203-6209.	1.4	18
51	Heterocyclic lead(II) thioureato complexes as single-source precursors for the aerosol assisted chemical vapour deposition of PbS thin films. Inorganica Chimica Acta, 2018, 479, 42-48.	1.2	17
52	Castor oil and olive oil-capped In ₂ S ₃ and CuInS ₂ nanoparticles from xanthate complexes. Materials Science in Semiconductor Processing, 2018, 76, 73-79.	1.9	5
53	New Examples of Phase Control in the Preparation of Copper Sulfide Nanoparticles and Deposition of Thin Films by AACVD from Bis(piperidinedithiocarbamate)copper(II) Complex. ChemistrySelect, 2018, 3, 2943-2950.	0.7	21
54	Bis(selenobenzoato)dibutyltin(IV) as a single source precursor for the synthesis of SnSe nanosheets and their photo-electrochemical study for water splitting. Dalton Transactions, 2018, 47, 5465-5473.	1.6	44

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55	Lead(II) halide cinnamaldehyde thiosemicarbazone complexes as single source precursors for oleylamine-capped lead sulfide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1479-1488.	1.1	8
56	PbS _x Se _{1-x} thin films from the thermal decomposition of lead(II) dodecylxanthate and bis(N,N-diethyl-N- ϵ^2 -naphthoylselenoureato)lead(II) precursors. <i>Journal of Materials Science</i> , 2018, 53, 4283-4293.	1.7	15
57	Synthesis and characterization of PbS nanoparticles in an ionic liquid using single and dual source precursors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 227, 116-121.	1.7	33
58	Thermolytic synthesis of cobalt and cobalt sulfide nanoparticles using Cobalt(II) N [^] O Schiff base complexes as single molecular precursors. <i>Turkish Journal of Chemistry</i> , 2018, 42, 1224-1237.	0.5	1
59	Band Structure, Morphology, Functionality, and Size- Dependent Properties of Metal Nanoparticles. , 2018, , .		13
60	Ricinoleic Acid as a Green Alternative to Oleic Acid in the Synthesis of Doped Nanocrystals. <i>ChemistrySelect</i> , 2018, 3, 13548-13552.	0.7	2
61	Microwave-assisted synthesis of thymine-functionalized graphitic carbon nitride quantum dots as a fluorescent nanoprobe for mercury(II). <i>Mikrochimica Acta</i> , 2018, 185, 461.	2.5	37
62	Broadband emission in a new lead free all-inorganic 3D CsZnCl ₂ I perovskite. <i>New Journal of Chemistry</i> , 2018, 42, 17181-17184.	1.4	15
63	Facile synthesis of a PbS _{1-x} Se _x (0 \leq x \leq 1) solid solution using bis(N,N-diethyl-N- ϵ^2 -naphthoylchalcogenoureato)lead(II) complexes. <i>New Journal of Chemistry</i> , 2018, 42, 16602-16607.	1.4	27
64	Novel single source precursor for synthesis of Sb ₂ Se ₃ nanorods and deposition of thin films by AACVD: Photo-electrochemical study for water reduction catalysis. <i>Solar Energy</i> , 2018, 169, 526-534.	2.9	62
65	CdS thin films deposition by AACVD: effect of precursor type, decomposition temperature and solvent. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14462-14470.	1.1	14
66	Structural investigations of SnS _{1-x} Se _x solid solution synthesized from chalcogeno-carboxylate complexes of organo-tin by colloidal and solvent-less routes. <i>Dalton Transactions</i> , 2018, 47, 10025-10034.	1.6	36
67	Fabrication of planar heterojunction CsPbBr ₂ I perovskite solar cells using ZnO as an electron transport layer and improved solar energy conversion efficiency. <i>New Journal of Chemistry</i> , 2018, 42, 14104-14110.	1.4	55
68	Deposition of Bi ₂ S ₃ thin films from heterocyclic bismuth(III) dithiocarbamate complexes. <i>Polyhedron</i> , 2018, 154, 173-181.	1.0	17
69	Effect of cationic disorder on the energy generation and energy storage applications of Ni _x Co _{3-x} S ₄ thiospinel. <i>RSC Advances</i> , 2018, 8, 24049-24058.	1.7	29
70	Synthesis of chalcopyrite-type and thiospinel minerals/materials by low temperature melts of xanthates. <i>Dalton Transactions</i> , 2018, 47, 8870-8873.	1.6	31
71	Controlled synthesis of all inorganic CsPbBr ₂ I perovskite by non-template and aerosol assisted chemical vapour deposition. <i>Materials Letters</i> , 2017, 190, 244-247.	1.3	29
72	Enhanced photocatalytic activity of water stable hydroxyl ammonium lead halide perovskites. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 6-11.	1.9	26

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73	Nanocrystalline and monophasic thin films of metal chalcogenide (FeS, ZnS) and oxide (ZnO) by chemical bath deposition (CBD). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700008.	0.8	2
74	Fabrication of a Graphene@TiO ₂ @Porphyrin Hybrid Material and Its Photocatalytic Properties under Simulated Sunlight Irradiation. <i>ChemistrySelect</i> , 2017, 2, 3329-3333.	0.7	28
75	Zinc thiosemicarbazone complexes: Single source precursors for alkylamine capped ZnS nanoparticles. <i>Inorganica Chimica Acta</i> , 2017, 463, 7-13.	1.2	26
76	Designing the morphology of PbS nanoparticles through a single source precursor method. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 593-598.	2.4	19
77	A Facile Route to Cesium Lead Bromoiodide Perovskite Microcrystals and Their Potential Application as Sensors for Nitrophenol Explosives. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3755-3760.	1.0	32
78	Optical and gas sensing properties of SnO ₂ nanowires grown by vapor-liquid-solid mechanism. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17993-18002.	1.1	5
79	Synthesis of Hybrid to Inorganic Quasi 2D-Layered Perovskite Nanoparticles. <i>ChemistrySelect</i> , 2017, 2, 5595-5599.	0.7	8
80	Phase pure deposition of flower-like thin films by aerosol assisted chemical vapor deposition and solvent mediated structural transformation in copper sulfide nanostructures. <i>Thin Solid Films</i> , 2017, 638, 338-344.	0.8	33
81	Synthesis of CdS quantum dots in an imidazolium based ionic liquid. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 258-262.	1.9	10
82	Structural and gas sensing properties of greigite (Fe ₃ S ₄) and pyrrhotite (Fe _{1-x} S) nanoparticles. <i>Materials Chemistry and Physics</i> , 2017, 198, 167-176.	2.0	18
83	Synthesis of rare pure phase Ni ₃ S ₄ and Ni ₃ S ₂ nanoparticles in different primary amine coordinating solvents. <i>Polyhedron</i> , 2017, 122, 16-24.	1.0	36
84	Thermal Degradation Kinetics of Sugarcane Bagasse and Soft Wood Cellulose. <i>Materials</i> , 2017, 10, 1246.	1.3	39
85	Tuning the Phase and Shape of Copper Sulfide Nanostructures Using Mixed Solvent Systems. <i>ChemistrySelect</i> , 2016, 1, 5982-5989.	0.7	23
86	The effect of polyol on multiple ligand capped silver alloyed nanobimetallic particles in tri-n-octylphosphine oxide and oleic acid matrices. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2016, 7, 045012.	0.7	2
87	Magnetic Iron Sulfide Nanoparticles for Potential Applications in Gas Sensing. <i>MRS Advances</i> , 2016, 1, 235-240.	0.5	10
88	The use of castor oil and ricinoleic acid in lead chalcogenide nanocrystal synthesis. <i>International Nano Letters</i> , 2016, 6, 235-242.	2.3	3
89	A chemodosimetric approach for the selective detection of Pb ²⁺ ions using a cesium based perovskite. <i>New Journal of Chemistry</i> , 2016, 40, 9719-9724.	1.4	37
90	Synthesis of PbTe and PbSe nanoparticles under the influence of hydrochloric acid and carbon dioxide. <i>Materials Science in Semiconductor Processing</i> , 2016, 56, 295-301.	1.9	5

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91	Heterocyclic Bismuth(III) Dithiocarbamate Complexes as Single-Source Precursors for the Synthesis of Anisotropic Bi ₂ S ₃ Nanoparticles. Chemistry - A European Journal, 2016, 22, 13127-13135.	1.7	27
92	Synthesis and characterization of CdS nanocrystallites and OMWCNT-supported cadmium sulfide composite and their photocatalytic activity under visible light irradiation. Materials Chemistry and Physics, 2016, 183, 366-374.	2.0	16
93	Synthesis of hierarchical PbS nanostructures capped with castor oil. Materials Letters, 2016, 185, 17-20.	1.3	7
94	A facile approach for selective and sensitive detection of aqueous contamination in DMF by using perovskite material. Materials Letters, 2016, 183, 135-138.	1.3	25
95	Synthetic routes to iron chalcogenide nanoparticles and thin films. Dalton Transactions, 2016, 45, 18803-18812.	1.6	41
96	Preparation of CdS Nanoparticles from Thiosemicarbazone Complexes: Morphological Influence of Chlorido and Iodido Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 366-372.	1.0	26
97	Phase controlled synthesis of copper sulfide nanoparticles by colloidal and non-colloidal methods. Materials Chemistry and Physics, 2016, 180, 404-412.	2.0	14
98	Cadmium sulfide quantum dots stabilized by castor oil and ricinoleic acid. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 95-102.	1.3	13
99	Synthesis and characterization of castor oil and ricinoleic acid capped CdS nanoparticles using single source precursors. Materials Science in Semiconductor Processing, 2016, 43, 230-237.	1.9	30
100	Design, green synthesis, anti-microbial, and anti-oxidant activities of novel α -aminophosphonates via Kabachnik-Fields reaction. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 1081-1085.	0.8	25
101	Heterocyclic dithiocarbamate-iron(III) complexes: single-source precursors for aerosol-assisted chemical vapour deposition (AACVD) of iron sulfide thin films. Dalton Transactions, 2016, 45, 2647-2655.	1.6	49
102	Functionalized mesoporous organo-silica nanosorbents for removal of chromium (III) ions from tanneries wastewater. Journal of Porous Materials, 2016, 23, 83-93.	1.3	12
103	The recent developments in nanoparticle synthesis. SPR Nanoscience, 2016, , 57-153.	0.3	3
104	Facile Attachment of TAT Peptide on Gold Monolayer Protected Clusters: Synthesis and Characterization. Nanomaterials, 2015, 5, 1211-1222.	1.9	13
105	A simple route to alkylamine capped antimony nanoparticles. Materials Letters, 2015, 145, 239-242.	1.3	18
106	Synthesis of biocompatible Au@ZnTe core-shell nanoparticles. Journal of Materials Chemistry B, 2015, 3, 2826-2833.	2.9	6
107	Aerosol assisted chemical vapor deposition (AACVD) of CdS thin films from heterocyclic cadmium(II) complexes. Inorganica Chimica Acta, 2015, 434, 181-187.	1.2	26
108	Aerosol assisted chemical vapor deposition of Sb ₂ S ₃ thin films: Environmentally benign solar energy material. Materials Science in Semiconductor Processing, 2015, 40, 643-649.	1.9	24

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109	Deposition of cadmium sulfide and zinc sulfide thin films by aerosol-assisted chemical vapors from molecular precursors. Turkish Journal of Chemistry, 2015, 39, 169-178.	0.5	24
110	CdSe quantum dots capped with naturally occurring biobased oils. New Journal of Chemistry, 2015, 39, 7251-7259.	1.4	25
111	Investigation of PbS nanocrystals sensitized extremely thin absorber (ETA) solar cell. Materials Science in Semiconductor Processing, 2015, 36, 20-26.	1.9	11
112	Facile route to the synthesis and characterization of novel core-shell and Ag/Ru allied nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 71, 70-78.	1.3	6
113	Phase-pure fabrication and shape evolution studies of SnS nanosheets. New Journal of Chemistry, 2015, 39, 9569-9574.	1.4	43
114	Deposition of phase pure nickel sulfide thin films from bis(O-alkylxanthato)nickel(II) complexes by the aerosol assisted chemical vapour deposition (AACVD) method. Materials Science in Semiconductor Processing, 2015, 30, 368-375.	1.9	16
115	DnaK Protein Alleviates Toxicity Induced by Citrate-Coated Gold Nanoparticles in Escherichia coli. PLoS ONE, 2015, 10, e0121243.	1.1	7
116	Synthesis and Characterization of Optically Active Fractal Seed Mediated Silver Nickel Bimetallic Nanoparticles. Journal of Materials, 2014, 2014, 1-9.	0.1	5
117	Dialkyldiselenophosphinato-metal complexes a new class of single source precursors for deposition of metal selenide thin films and nanoparticles. IOP Conference Series: Materials Science and Engineering, 2014, 64, 012019.	0.3	2
118	Evidence of oriented attachment in the growth of functionalized ZnTe nanoparticles for potential applications in bio-imaging. New Journal of Chemistry, 2014, 38, 6002-6007.	1.4	7
119	Bis(piperidinedithiocarbamate)pyridinecadmium as a single-source precursor for the synthesis of CdS nanoparticles and aerosol-assisted chemical vapour deposition (AACVD) of CdS thin films. New Journal of Chemistry, 2014, 38, 6073-6080.	1.4	55
120	Synthesis of Cadmium and Lead Telluride Nanoparticles: Examples of Oriented attachment Growth Mechanism. Materials Research Society Symposia Proceedings, 2014, 1705, 7.	0.1	0
121	Deposition of cobalt and nickel sulfide thin films from thio- and alkylthio-urea complexes as precursors via the aerosol assisted chemical vapour deposition technique. Thin Solid Films, 2014, 564, 51-57.	0.8	27
122	Facile synthesis of phosphine free ultra-small PbSe nanocrystals and their light harvesting studies in ETA solar cells. Dalton Transactions, 2014, 43, 16424-16430.	1.6	6
123	The electrokinetic characterization of gold nanoparticles, functionalized with cationic functional groups, and its interaction with DNA. Colloids and Surfaces B: Biointerfaces, 2014, 121, 425-431.	2.5	12
124	Low temperature synthesis of PbS and CdS nanoparticles in olive oil. Materials Science in Semiconductor Processing, 2014, 27, 191-196.	1.9	21
125	A simple route to Bi ₂ Se ₃ and Bi ₂ Te ₃ nanocrystals. Superlattices and Microstructures, 2014, 69, 226-230.	1.4	15
126	The syntheses and structures of Zn(II) heterocyclic piperidine and tetrahydroquinoline dithiocarbamates and their use as single source precursors for ZnS nanoparticles. Polyhedron, 2014, 67, 129-135.	1.0	28

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127	A convenient synthesis of antimony sulfide and antimony phosphate nanorods using single source dithiolatoantimony(III) dialkyldithiophosphate precursors. <i>Polyhedron</i> , 2014, 80, 216-222.	1.0	9
128	Synthesis of multi-podal CdS nanostructures using heterocyclic dithiocarbamate complexes as precursors. <i>Polyhedron</i> , 2013, 56, 62-70.	1.0	28
129	A simple route to shape controlled CdS nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 245-249.	1.9	3
130	Shape evolution of PbTe nanostructures using mixed lead sources. <i>Materials Letters</i> , 2013, 97, 108-112.	1.3	1
131	Cysteine-capped gold nanoparticles suppress aggregation of proteins exposed to heat stress. <i>IUBMB Life</i> , 2013, 65, 454-461.	1.5	25
132	Lead chalcogenides stabilized by anacardic acid. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 263-268.	1.9	19
133	Routes to Nanostructured Inorganic Materials with Potential for Solar Energy Applications. <i>Chemistry of Materials</i> , 2013, 25, 3551-3569.	3.2	129
134	Facile synthesis of cysteine and triethanolamine capped CdTe nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 450-456.	2.5	16
135	A simple route to bismuth nanoparticles in the form of dots, branched nanorods and self assembled cubes. <i>Materials Letters</i> , 2013, 92, 220-223.	1.3	4
136	Volume Editors' Introduction. , 2013, , xxxvii-xxxviii.		0
137	Chapter 2. Nanomaterials for solar energy. <i>SPR Nanoscience</i> , 2013, , 23-57.	0.3	1
138	Synthesis of anisotropic PbS nanoparticles using heterocyclic dithiocarbamate complexes. <i>Dalton Transactions</i> , 2012, 41, 8297.	1.6	43
139	An <i>in vitro</i> assessment of the interaction of cadmium selenide quantum dots with DNA, iron, and blood platelets. <i>IUBMB Life</i> , 2012, 64, 995-1002.	1.5	24
140	Facile synthesis of organically capped PbS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 537, 19-23.	2.8	11
141	Facile Synthesis of Organically Capped CdTe Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2640-2644.	0.9	6
142	The oriented self-assembly of small PbSe nanocrystals into extended structures ~nanoworms™. <i>Materials Letters</i> , 2012, 77, 78-81.	1.3	7
143	A facile hybrid route to luminescent ZnTe nanoparticles. <i>Materials Letters</i> , 2012, 81, 108-111.	1.3	9
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