

Neerish Revaprasadu

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#	Paper	IF	Citations
191	Air-Stable Single-Source Precursors for the Synthesis of Chalcogenide Semiconductor Nanoparticles. <i>Chemistry of Materials</i> , 2001 , 13, 913-920	9.6	246
190	A Simple Route to the Synthesis of Core/Shell Nanoparticles of Chalcogenides. <i>Chemistry of Materials</i> , 2002 , 14, 2004-2010	9.6	185
189	Synthesis of TOPO-capped Mn-doped ZnS and CdS quantum dots. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2382-2386		138
188	Cadmium ethylxanthate: A novel single-source precursor for the preparation of CdS nanoparticles. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2722-2725		131
187	Routes to Nanostructured Inorganic Materials with Potential for Solar Energy Applications. <i>Chemistry of Materials</i> , 2013 , 25, 3551-3569	9.6	118
186	Cadmium(II) complexes of N,N-diethyl-N'-benzoylthio(seleno)urea as single-source precursors for the preparation of CdS and CdSe nanoparticles. <i>New Journal of Chemistry</i> , 2007 , 31, 1647	3.6	74
185	A single-source route to CdS nanorods. <i>Chemical Communications</i> , 2002 , 564-5	5.8	72
184	A simple route to synthesise nanodimensional CdSe/CdS core-shell structures from single molecule precursors. <i>Chemical Communications</i> , 1999 , 1573-1574	5.8	54
183	A novel one-pot route for the synthesis of water-soluble cadmium selenide nanoparticles. <i>Journal of Crystal Growth</i> , 2008 , 310, 3230-3234	1.6	53
182	Novel single-molecule precursor routes for the direct synthesis of InS and InSe quantum dots. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2885-2888		53
181	Surface enhanced Raman spectroscopy (SERS) and density functional theory (DFT) study for understanding the regioselective adsorption of pyrrolidinone on the surface of silver and gold colloids. <i>Journal of Molecular Structure</i> , 2009 , 935, 32-38	3.4	50
180	Preparation of CdS nanoparticles using the cadmium(II) complex of N,N'-bis(thiocarbamoyl)hydrazine as a simple single-source precursor. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1555-1556		48
179	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	6.8	47
178	Bis(piperidinedithiocarbamate)pyridinecadmium(II) as a single-source precursor for the synthesis of CdS nanoparticles and aerosol-assisted chemical vapour deposition (AACVD) of CdS thin films. <i>New Journal of Chemistry</i> , 2014 , 38, 6073-6080	3.6	46
177	Heterocyclic dithiocarbamates: precursors for shape controlled growth of CdS nanoparticles. <i>New Journal of Chemistry</i> , 2011 , 35, 1133	3.6	45
176	Direct solvent free synthesis of bare NiS, NiS and NiS composite as excellent electrocatalysts: Effect of self-capping on supercapacitance and overall water splitting activity. <i>Scientific Reports</i> , 2020 , 10, 3260	4.9	43
175	Heterocyclic dithiocarbamate-iron(III) complexes: single-source precursors for aerosol-assisted chemical vapour deposition (AACVD) of iron sulfide thin films. <i>Dalton Transactions</i> , 2016 , 45, 2647-55	4.3	43

174	Cashew nut shell: a potential bio-resource for the production of bio-sourced chemicals, materials and fuels. <i>Green Chemistry</i> , 2019 , 21, 1186-1201	10	41
173	Synthesis of TOPO-capped PtS and PdS nanoparticles from [Pt(S2CNMe(Hex))2] and [Pd(S2CNMe(Hex))2]. <i>Journal of Materials Chemistry</i> , 2002 , 12, 92-97		41
172	Cd(NH2CSNHNHCSNH2)Cl2: a new single-source precursor for the preparation of CdS nanoparticles. <i>Polyhedron</i> , 2003 , 22, 3129-3135	2.7	40
171	Synthesis of anisotropic PbS nanoparticles using heterocyclic dithiocarbamate complexes. <i>Dalton Transactions</i> , 2012 , 41, 8297-302	4.3	39
170	Synthesis of hexadecylamine capped CdS nanoparticles using heterocyclic cadmium dithiocarbamates as single source precursors. <i>Polyhedron</i> , 2009 , 28, 2977-2982	2.7	39
169	Use of metal complexes to synthesize semiconductor nanoparticles. <i>Pure and Applied Chemistry</i> , 2006 , 78, 1691-1702	2.1	39
168	Effect of Cu, Ni and Pb doping on the photo-electrochemical activity of ZnO thin films.. <i>RSC Advances</i> , 2019 , 9, 7729-7736	3.7	38
167	Simple Route to Dots and Rods of PbTe Nanocrystals. <i>Chemistry of Materials</i> , 2010 , 22, 3817-3819	9.6	38
166	Fabrication of planar heterojunction CsPbBr2I 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	3.6	38
165	The effect of Cu-doping on CdS thin films deposited by the spray pyrolysis technique. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2021-2030	5.5	37
164	Phase-pure fabrication and shape evolution studies of SnS nanosheets. <i>New Journal of Chemistry</i> , 2015 , 39, 9569-9574	3.6	37
163	Bis(selenobenzoato)dibutyltin(IV) as a single source precursor for the synthesis of SnSe nanosheets and their photo-electrochemical study for water splitting. <i>Dalton Transactions</i> , 2018 , 47, 5465-5473	4.3	36
162	Synthetic routes to iron chalcogenide nanoparticles and thin films. <i>Dalton Transactions</i> , 2016 , 45, 18803-18812	1.9	33
161	Synthesis and characterization of Z-scheme Fe2O3 NTs/ruptured tubular g-C3N4 for enhanced photoelectrochemical water oxidation. <i>Solar Energy</i> , 2019 , 193, 403-412	6.8	33
160	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	2.2	30
159	Synthesis of rare pure phase Ni3S4 and Ni3S2 nanoparticles in different primary amine coordinating solvents. <i>Polyhedron</i> , 2017 , 122, 16-24	2.7	30
158	Strontium aluminate/polymer composites: Morphology, luminescent properties, and durability. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3347-3354	2.9	30
157	Progress in selenium based metal-organic precursors for main group and transition metal selenide thin films and nanomaterials. <i>Coordination Chemistry Reviews</i> , 2019 , 388, 24-47	23.2	30

156	Synthesis of Off-Stoichiometric CoS Nanoplates from a Molecular Precursor for Efficient H ₂ /O ₂ Evolution and Supercapacitance. <i>ChemElectroChem</i> , 2019 , 6, 2560-2569	4.3	29
155	N,N'-Diisopropyl- and N,N'-dicyclohexylthiourea cadmium(II) complexes as precursors for the synthesis of CdS nanoparticles. <i>Polyhedron</i> , 2007 , 26, 3947-3955	2.7	29
154	Characterization of polystyrene filled with HgS nanoparticles. <i>Materials Letters</i> , 2004 , 58, 361-364	3.3	29
153	Electrochemical investigation of uncapped AgBiS (schapbachite) synthesized using in situ melts of xanthate precursors. <i>Dalton Transactions</i> , 2019 , 48, 3714-3722	4.3	28
152	Synthesis and characterization of castor oil and ricinoleic acid capped CdS nanoparticles using single source precursors. <i>Materials Science in Semiconductor Processing</i> , 2016 , 43, 230-237	4.3	28
151	Time dependant evolution of silver nanodendrites. <i>Materials Letters</i> , 2009 , 63, 447-450	3.3	28
150	Synthesis of chalcopyrite-type and thiospinel minerals/materials by low temperature melts of xanthates. <i>Dalton Transactions</i> , 2018 , 47, 8870-8873	4.3	26
149	Thermal Degradation Kinetics of Sugarcane Bagasse and Soft Wood Cellulose. <i>Materials</i> , 2017 , 10,	3.5	26
148	Structural investigations of SnSSe solid solution synthesized from chalcogeno-carboxylate complexes of organo-tin by colloidal and solvent-less routes. <i>Dalton Transactions</i> , 2018 , 47, 10025-10034	4.3	26
147	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	3.3	25
146	Synthesis of multi-podal CdS nanostructures using heterocyclic dithiocarbamate complexes as precursors. <i>Polyhedron</i> , 2013 , 56, 62-70	2.7	25
145	ZnCr-CO ₃ LDH/ruptured tubular g-C ₃ N ₄ composite with increased specific surface area for enhanced photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2020 , 508, 145100	6.7	25
144	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	3.1	25
143	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	5.8	25
142	Deposition of cobalt and nickel sulfide thin films from thio- and alkylthio-urea complexes as precursors via the aerosol assisted chemical vapour deposition technique. <i>Thin Solid Films</i> , 2014 , 564, 51-57	2.2	24
141	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	2.3	24
140	Structure and properties of PbS/polyacrylamide nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 835-838	2.6	24
139	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	3.6	24

138	Facile synthesis of a $PbS_{1-x}Se_x$ (0 $\leq x \leq 1$) solid solution using bis(N,N-diethyl-N'-naphthoylchalcogenoureato)lead(II) complexes. <i>New Journal of Chemistry</i> , 2018 , 42, 16602-16607	3.6	24
137	Precursor Routes to Semiconductor Quantum Dots. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005 , 180, 689-712	1	23
136	The use of dithio- and diselenocarbamates as precursors to nanoscale materials. <i>Materials Science and Engineering C</i> , 2001 , 16, 129-133	8.3	23
135	Enhanced photocatalytic activity of water stable hydroxyl ammonium lead halide perovskites. <i>Materials Science in Semiconductor Processing</i> , 2017 , 63, 6-11	4.3	22
134	Zinc thiosemicarbazone complexes: Single source precursors for alkylamine capped ZnS nanoparticles. <i>Inorganica Chimica Acta</i> , 2017 , 463, 7-13	2.7	22
133	The syntheses and structures of Zn(II) heterocyclic piperidine and tetrahydroquinoline dithiocarbamates and their use as single source precursors for ZnS nanoparticles. <i>Polyhedron</i> , 2014 , 67, 129-135	2.7	22
132	An in vitro assessment of the interaction of cadmium selenide quantum dots with DNA, iron, and blood platelets. <i>IUBMB Life</i> , 2012 , 64, 995-1002	4.7	22
131	An improved N,N-dimethylformamide and polyvinyl pyrrolidone approach for the synthesis of long silver nanowires. <i>Journal of Alloys and Compounds</i> , 2009 , 469, 519-522	5.7	22
130	Tuning the Phase and Shape of Copper Sulfide Nanostructures Using Mixed Solvent Systems. <i>ChemistrySelect</i> , 2016 , 1, 5982-5989	1.8	22
129	Heterocyclic Bismuth(III) Dithiocarbamate Complexes as Single-Source Precursors for the Synthesis of Anisotropic Bi ₂ S ₃ Nanoparticles. <i>Chemistry - A European Journal</i> , 2016 , 22, 13127-35	4.8	22
128	Effect of cationic disorder on the energy generation and energy storage applications of Ni Co S thiospinel. <i>RSC Advances</i> , 2018 , 8, 24049-24058	3.7	21
127	Cysteine-capped gold nanoparticles suppress aggregation of proteins exposed to heat stress. <i>IUBMB Life</i> , 2013 , 65, 454-61	4.7	21
126	N-alkylthiourea cadmium (II) complexes as novel precursors for the synthesis of CdS nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2004 , 15, 313-316	2.1	21
125	Controlled Synthesis of $Sb_2(S_{1-x}Se_x)_3$ (0 $\leq x \leq 1$) Solid Solution and the Effect of Composition Variation on Electrocatalytic Energy Conversion and Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1448-1460 ²¹	6.1	21
124	Aerosol assisted chemical vapor deposition (AACVD) of CdS thin films from heterocyclic cadmium(II) complexes. <i>Inorganica Chimica Acta</i> , 2015 , 434, 181-187	2.7	20
123	Deposition of cadmium sulfide and zinc sulfide thin films by aerosol-assisted chemical vapors from molecular precursors. <i>Turkish Journal of Chemistry</i> , 2015 , 39, 169-178	1	20
122	Cobalt sulfide nanoparticles: Synthesis, water splitting and supercapacitance studies. <i>Materials Science in Semiconductor Processing</i> , 2020 , 109, 104925	4.3	20
121	Aerosol assisted chemical vapor deposition of Sb ₂ S ₃ thin films: Environmentally benign solar energy material. <i>Materials Science in Semiconductor Processing</i> , 2015 , 40, 643-649	4.3	19

120	CdSe quantum dots capped with naturally occurring biobased oils. <i>New Journal of Chemistry</i> , 2015 , 39, 7251-7259	3.6	19
119	Synthesis of PVP capped gold nanoparticles by the UV-irradiation technique. <i>Materials Letters</i> , 2011 , 65, 2844-2847	3.3	19
118	The effect of precursor concentration, temperature and capping group on the morphology of CdS nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4760-6	1.3	19
117	A facile "green" synthesis of ascorbic acid-capped ZnSe nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 126-30	6	19
116	Fabrication of a Graphene@TiO ₂ @Porphyrin Hybrid Material and Its Photocatalytic Properties under Simulated Sunlight Irradiation. <i>ChemistrySelect</i> , 2017 , 2, 3329-3333	1.8	18
115	A facile approach for selective and sensitive detection of aqueous contamination in DMF by using perovskite material. <i>Materials Letters</i> , 2016 , 183, 135-138	3.3	18
114	Nanoparticles and Thin Films of Silver from Complexes of Derivatives of N-(Diisopropylthiophosphoryl)thioureas. <i>Chemistry of Materials</i> , 2009 , 21, 4233-4240	9.6	18
113	A new synthetic route to organically capped cadmium selenide nanoparticles. <i>New Journal of Chemistry</i> , 2008 , 32, 1432	3.6	18
112	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. <i>ChemistrySelect</i> , 2018 , 3, 2943-2950	1.8	17
111	Preparation of CdS Nanoparticles from Thiosemicarbazone Complexes: Morphological Influence of Chlorido and Iodido Ligands. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 366-372	2.3	17
110	Design, green synthesis, anti-microbial, and anti-oxidant activities of novel Diaminophosphonates via Kabachnik-Fields reaction. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1081-1085	1.85	17
109	Low temperature synthesis of PbS and CdS nanoparticles in olive oil. <i>Materials Science in Semiconductor Processing</i> , 2014 , 27, 191-196	4.3	17
108	Lead chalcogenides stabilized by anacardic acid. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 263-268	4.3	16
107	Facile synthesis of cysteine and triethanolamine capped CdTe nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 450-6	6	16
106	The influence of the cadmium source on the shape of CdSe nanoparticles. <i>Materials Letters</i> , 2010 , 64, 1037-1040	3.3	16
105	Tannic acid-derivatized graphitic carbon nitride quantum dots as an "on-off-on" fluorescent nanoprobe for ascorbic acid via copper(II) mediation. <i>Mikrochimica Acta</i> , 2019 , 186, 87	5.8	16
104	Deposition of phase pure nickel sulfide thin films from bis(O-alkylxanthato)nickel(II) complexes by the aerosol assisted chemical vapour deposition (AACVD) method. <i>Materials Science in Semiconductor Processing</i> , 2015 , 30, 368-375	4.3	15
103	Phase pure Ni ₃ S ₂ and NiS from bis(N [?] -ethyl-N-piperazinylcarbodithioato-S,S [?])nickel(II) via solvent thermolysis and aerosol assisted chemical vapour deposition. <i>New Journal of Chemistry</i> , 2018 , 42, 6203-6209	3.6	15

102	Heterocyclic lead(II) thioureato complexes as single-source precursors for the aerosol assisted chemical vapour deposition of PbS thin films. <i>Inorganica Chimica Acta</i> , 2018 , 479, 42-48	2.7	15
101	A simple route to alkylamine capped antimony nanoparticles. <i>Materials Letters</i> , 2015 , 145, 239-242	3.3	15
100	A new synthesis of hexadecylamine-capped Mn-doped wurtzite CdSe nanoparticles. <i>Materials Letters</i> , 2010 , 64, 1513-1516	3.3	15
99	Flexible Molecular Precursors for Selective Decomposition to Nickel Sulfide or Nickel Phosphide for Water Splitting and Supercapacitance. <i>Chemistry - A European Journal</i> , 2020 , 26, 2693-2704	4.8	15
98	Phase controlled synthesis of copper sulfide nanoparticles by colloidal and non-colloidal methods. <i>Materials Chemistry and Physics</i> , 2016 , 180, 404-412	4.4	14
97	A simple route to Bi ₂ Se ₃ and Bi ₂ Te ₃ nanocrystals. <i>Superlattices and Microstructures</i> , 2014 , 69, 226-230	2.8	14
96	Designing the morphology of PbS nanoparticles through a single source precursor method. <i>Journal of Saudi Chemical Society</i> , 2017 , 21, 593-598	4.3	13
95	Synthesis and characterization of CdS nanocrystallites and OMWCNT-supported cadmium sulfide composite and their photocatalytic activity under visible light irradiation. <i>Materials Chemistry and Physics</i> , 2016 , 183, 366-374	4.4	13
94	A facile route to shape controlled CdTe nanoparticles. <i>Materials Chemistry and Physics</i> , 2011 , 126, 500-504	4.4	13
93	PbS x Se _{1-x} thin films from the thermal decomposition of lead(II) dodecylxanthate and bis(N,N-diethyl-N'-naphthoylselenoureato)lead(II) precursors. <i>Journal of Materials Science</i> , 2018 , 53, 4283-4293	4.3	13
92	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	4.4	12
91	Unusual doping induced phase transitions in NiS via solventless synthesis enabling superior bifunctional electrocatalytic activity. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5132-5143	5.8	12
90	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	2.1	12
89	Cadmium sulfide quantum dots stabilized by castor oil and ricinoleic acid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 76, 95-102	3	11
88	Deposition of Bi ₂ S ₃ thin films from heterocyclic bismuth(III) dithiocarbamate complexes. <i>Polyhedron</i> , 2018 , 154, 173-181	2.7	11
87	The electrokinetic characterization of gold nanoparticles, functionalized with cationic functional groups, and its' interaction with DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 425-31	6	11
86	Facile Attachment of TAT Peptide on Gold Monolayer Protected Clusters: Synthesis and Characterization. <i>Nanomaterials</i> , 2015 , 5, 1211-1222	5.4	11
85	Facile synthesis of organically capped PbS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012 , 537, 19-23	5.7	11

84	Study on growth kinetics of hexadecylamine capped CdSe nanoparticles using its electronic properties. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1204-1208	2.8	11
83	Phase transition in Cu SnS (0 002; 0 001) ternary systems synthesized from complexes of coumarin derived thiocarbamate motifs: optical and morphological properties.. <i>RSC Advances</i> , 2019 , 9, 35706-35716	3.7	10
82	Band Structure, Morphology, Functionality, and Size- Dependent Properties of Metal Nanoparticles 2018 ,		10
81	Investigation of PbS nanocrystals sensitized extremely thin absorber (ETA) solar cell. <i>Materials Science in Semiconductor Processing</i> , 2015 , 36, 20-26	4.3	9
80	A convenient synthesis of antimony sulfide and antimony phosphate nanorods using single source dithiolatoantimony(III) dialkyldithiophosphate precursors. <i>Polyhedron</i> , 2014 , 80, 216-222	2.7	9
79	Polystyrene-co-maleic acid/CdS nanocomposites: Preparation and properties. <i>Journal of Physics and Chemistry of Solids</i> , 2005 , 66, 1302-1306	3.9	9
78	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	5.1	9
77	Broadband emission in a new lead free all-inorganic 3D CsZnCl ₂ I perovskite. <i>New Journal of Chemistry</i> , 2018 , 42, 17181-17184	3.6	9
76	Functionalized mesoporous organo-silica nanosorbents for removal of chromium (III) ions from tanneries wastewater. <i>Journal of Porous Materials</i> , 2016 , 23, 83-93	2.4	8
75	Synthesis of CdS quantum dots in an imidazolium based ionic liquid. <i>Materials Science in Semiconductor Processing</i> , 2017 , 71, 258-262	4.3	8
74	A novel route to cysteine capped AuCdSe hybrid nanoparticles. <i>Materials Letters</i> , 2009 , 63, 2097-2099	3.3	8
73	Impact of Monovalent Counter-ions on the Conformation of Flexible Polyelectrolytes Having Different Molecular Architectures. <i>MRS Advances</i> , 2016 , 1, 1841-1846	0.7	8
72	Single precursor-based synthesis of transition metal sulfide nanoparticles and evaluation of their antimicrobial, antioxidant and cytotoxic potentials. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	8
71	Metal selenobenzoate complexes: Novel single source precursors for the synthesis of metal selenide semiconductor nanomaterials. <i>Materials Today: Proceedings</i> , 2019 , 10, 66-74	1.4	7
70	Synthesis of (Bi Sb)S solid solutions thermal decomposition of bismuth and antimony piperidinedithiocarbamates.. <i>RSC Advances</i> , 2019 , 9, 15836-15844	3.7	7
69	Synthesis of hierarchical PbS nanostructures capped with castor oil. <i>Materials Letters</i> , 2016 , 185, 17-20	3.3	7
68	The oriented self-assembly of small PbSe nanocrystals into extended structures "nanoworms" <i>Materials Letters</i> , 2012 , 77, 78-81	3.3	7
67	A facile hybrid route to luminescent ZnTe nanoparticles. <i>Materials Letters</i> , 2012 , 81, 108-111	3.3	7

66	Synthesis of Hybrid to Inorganic Quasi 2D-Layered Perovskite Nanoparticles. <i>ChemistrySelect</i> , 2017 , 2, 5595-5599	1.8	7
65	A New Route to Lead Chalcogenide Nanocrystals. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 5196-5201	2.3	7
64	Synthesis and characterization of rhodium sulfide nanoparticles and thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 150, 111-115	3.1	7
63	DnaK protein alleviates toxicity induced by citrate-coated gold nanoparticles in Escherichia coli. <i>PLoS ONE</i> , 2015 , 10, e0121243	3.7	7
62	Important Phase Control of Indium Sulfide Nanomaterials by Choice of Indium(III) Xanthate Precursor and Thermolysis Temperature. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1421-1432	2.3	7
61	Tailoring Shape and Crystallographic Phase of Copper Sulfide Nanostructures Using Novel Thiourea Complexes as Single Source Precursors. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 917-927	3.2	7
60	Preparation of Iron Sulfide Nanomaterials from Iron(II) Thiosemicarbazone Complexes and Their Application in Photodegradation of Methylene Blue. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 603-611	3.2	6
59	Facile synthesis of phosphine free ultra-small PbSe nanocrystals and their light harvesting studies in ETA solar cells. <i>Dalton Transactions</i> , 2014 , 43, 16424-30	4.3	6
58	Synthesis of triethanolamine (TEA) capped CdSe nanoparticles. <i>Materials Letters</i> , 2011 , 65, 1283-1286	3.3	6
57	Surface Engineered Peroxidase-Mimicking Gold Nanoparticles to Subside Cell Inflammation.. <i>Langmuir</i> , 2022 , 38, 1877-1887	4	6
56	Facile route to the synthesis and characterization of novel core-shell and Ag/Ru allied nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 71, 70-78	3	5
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	2.1	5
54	Morphological influence of deposition routes on lead sulfide thin films. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119116	2.7	5
53	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	2.1	5
52	Evidence of oriented attachment in the growth of functionalized ZnTe nanoparticles for potential applications in bio-imaging. <i>New Journal of Chemistry</i> , 2014 , 38, 6002-6007	3.6	5
51	Facile synthesis of organically capped CdTe nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2640-4	1.3	5
50	Synthesis, density functional theory, molecular dynamics and electrochemical studies of 3-thiopheneacetic acid-capped gold nanoparticles. <i>Journal of Molecular Structure</i> , 2011 , 1006, 494-501	3.4	5
49	Synergistically enhanced performance of transition-metal doped NiP for supercapacitance and overall water splitting. <i>Dalton Transactions</i> , 2021 , 50, 11821-11833	4.3	5

48	Synthesis of biocompatible Au-ZnTe core-shell nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2826-2833	7.3	4
47	Synthesis and Characterization of Optically Active Fractal Seed Mediated Silver Nickel Bimetallic Nanoparticles. <i>Journal of Materials</i> , 2014 , 2014, 1-9		4
46	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	3.3	4
45	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	4.3	4
44	Cadmium Chloride and Cadmium Iodide Thiosemicarbazone Complexes as Single Source Precursors for CdS Nanoparticles. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 1063-1071	1.5	3
43	Co-assembled ZnO-Fe ₂ O ₃ -CuOx nano-oxide materials for antibacterial protection. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 981-987	1	3
42	Castor oil and olive oil-capped In ₂ S ₃ and CuInS ₂ nanoparticles from xanthate complexes. <i>Materials Science in Semiconductor Processing</i> , 2018 , 76, 73-79	4.3	3
41	A facile approach to synthesis graphene oxide/bismuth oxide nanocomposites and their superior sunlight driven photocatalytic activity. <i>Optik</i> , 2019 , 197, 163035	2.5	3
40	A simple route to shape controlled CdS nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 245-249	3.9	3
39	Synthesis and Structural Characterization of a Nickel(II) Complex with Unsymmetrical NNO-Donor Schiff Base Ligand. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 1032-1035	0.5	3
38	A Facile, Green One Step, Room Temperature Synthesis of a Series of monodispersed MSe (M = Cd or Zn) Water Dispersible Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1138, 1		3
37	STUDIES OF MICROENVIRONMENTAL EFFECTS ON COMPLEXATION OF POLYMER-BOUND SCHIFF BASES WITH TRANSITION METAL IONS. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2002 , 32, 1153-1175		3
36	The recent developments in nanoparticle synthesis. <i>SPR Nanoscience</i> , 2016 , 57-153	3	3
35	The use of castor oil and ricinoleic acid in lead chalcogenide nanocrystal synthesis. <i>International Nano Letters</i> , 2016 , 6, 235-242	5.7	3
34	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	4.3	3
33	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	4.3	3
32	Tuning composition of CuCoS-NiCoS solid solutions solvent-less pyrolysis of molecular precursors for efficient supercapacitance and water splitting.. <i>RSC Advances</i> , 2022 , 12, 10675-10685	3.7	3
31	3D hybrid perovskite solid solutions: a facile approach for deposition of nanoparticles and thin films via B-site substitution. <i>New Journal of Chemistry</i> , 2019 , 43, 5448-5454	3.6	2

30	Cytotoxicity and in vitro evaluation of whey protein-based hydrogels for diabetes mellitus treatment. <i>International Journal of Industrial Chemistry</i> , 2019 , 10, 213-223	3.1	2
29	Dialkyldiselenophosphinato-metal complexes as a new class of single source precursors for deposition of metal selenide thin films and nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 64, 012019	0.4	2
28	Stable, Hydrophilic Nitriлотriacetic Acid-Capped Gold Monolayer Protected Clusters. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1064, 3101		2
27	Phase transformations in the nickel phosphide system induced by transition-metal doping and their electro-catalytic study. <i>Sustainable Energy and Fuels</i> ,	5.8	2
26	Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy: A Tool to Determine Reinforcement of Carbon Black in Polylactic Acid Composites. <i>Materials Performance and Characterization</i> , 2019 , 8, 20190146	0.5	2
25	Bioinspired Synthesis of Acacia senegal Leaf Extract Functionalized Silver Nanoparticles and Its Antimicrobial Evaluation. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-8	3.2	2
24	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	3.4	2
23	Triphenylphosphine-Assisted Transformation of NiS to NiP through a Solvent-Less Pyrolysis Route: Synthesis and Electrocatalytic Performance. <i>Inorganic Chemistry</i> , 2021 , 60, 11374-11384	5.1	2
22	Solventless synthesis of nanospinel Ni Co FeO (0 111) solid solutions for efficient electrochemical water splitting and supercapacitance.. <i>RSC Advances</i> , 2021 , 11, 31002-31014	3.7	2
21	Preparation of spin coated PbS thin films using bis-tetrahydroquinolinedithiocarbamatolead(II) complex as a single source precursor. <i>Inorganic and Nano-Metal Chemistry</i> ,1-5	1.2	2
20	A Facile Green Synthesis of Ultranarrow PbS Nanorods. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 2274-2281	3.2	1
19	Polymer and Carbon-Based Coatings for Biomedical Applications 2019 , 499-535		1
18	Shape evolution of PbTe nanostructures using mixed lead sources. <i>Materials Letters</i> , 2013 , 97, 108-112	3.3	1
17	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	1	1
16	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	1.6	1
15	Progress in Green Solvents for the Stabilisation of Nanomaterials: Imidazolium Based Ionic Liquids 2018 ,		1
14	Ricinoleic Acid as a Green Alternative to Oleic Acid in the Synthesis of Doped Nanocrystals. <i>ChemistrySelect</i> , 2018 , 3, 13548-13552	1.8	1
13	Low temperature scalable synthetic approach enabling high bifunctional electrocatalytic performance of NiCoS and CuCoS thiospinels.. <i>RSC Advances</i> , 2021 , 11, 31533-31546	3.7	1

12	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	1.6	o
11	Molecular precursor route for the phase selective synthesis of EMnS or metastable EMnS nanomaterials for magnetic studies and deposition of thin films by AACVD. <i>Materials Science in Semiconductor Processing</i> , 2021 , 139, 106330	4.3	o
10	Antimicrobial Activities of Graphene-Based Materials 2019 , 247-266		
9	Synthesis of Cadmium and Lead Telluride Nanoparticles: Examples of Oriented attachment Growth Mechanism. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1705, 7		
8	Synthesis of GaS Nanoparticles from a Single-Source Precursor $[\text{Ga}(\text{S}_2\text{CNET}_2)_3]$. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 879, 1		
7	Crystal structure of 4-ethylpiperazine-1-carbothioic dithioperoxyanhydride, $\text{C}_{14}\text{H}_{26}\text{N}_4\text{S}_4$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019 , 234, 1035-1036	0.2	
6	A New Greener Synthetic Route to Cadmium/Lead Selenide and Telluride Nanoparticles. <i>Ceramic Engineering and Science Proceedings</i> , 31-43	0.1	
5	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, 20200127	0.5	
4	Coordination Complexes as Precursors for Semiconductor Thin Films and Nanoparticles 2021 , 465-493		
3	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	1	
2	Nickel chalcogenide thin films and nanoparticles from molecular single-source precursors 2022 , 281-310		
1	Synthesis of Cobalt-Based Magnetic Nanocomposites 2022 , 1-30		