

Mohammed Xoshnaw

List of Publications by Year in descending order

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178
papers

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citations

94269

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183
all docs

183
docs citations

183
times ranked

4914
citing authors

#	ARTICLE	IF	CITATIONS
1	Plants and microbes' responses to the net nitrification rates of chemical fertilizers in vegetable soils. <i>Applied Soil Ecology</i> , 2021, 158, 103783.	2.1	14
2	Superior visible-light assisted water splitting performance by Fe incorporated ZnO photoanodes. <i>Materials Research Bulletin</i> , 2020, 122, 110627.	2.7	14
3	Green emitter and thermally stable layered tetraethyl ammonium lead bromiodide perovskite. <i>Optik</i> , 2020, 207, 163828.	1.4	2
4	Evaluation of electrochemical properties of organic template assisted PdO incorporated NiO for H ₂ /O ₂ evolution. <i>Microchemical Journal</i> , 2020, 158, 105282.	2.3	2
5	Phyto-inspired and scalable approach for the synthesis of PdO@2Mn ₂ O ₃ : a nano-material for application in water splitting electro-catalysis. <i>RSC Advances</i> , 2020, 10, 29961-29974.	1.7	15
6	Nanostructured Lead Sulphide Depositions by AACVD Technique Using Bis(isobutyldithiophosphinato)Lead(II) Complex as Single Source Precursor and Its Impedance Study. <i>Nanomaterials</i> , 2020, 10, 1438.	1.9	3
7	Effect of Long-Term Pesticides and Chemical Fertilizers Application on the Microbial Community Specifically Anammox and Denitrifying Bacteria in Rice Field Soil of Jhenaidah and Kushtia District, Bangladesh. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 828-833.	1.3	21
8	Deposition of CuFeS ₂ and Cu ₂ FeSnS ₄ thin films and nanocrystals using diisobutyldithiophosphinato-metal precursors. , 2020, , .		2
9	Electronic Tuning of Zinc Oxide by Direct Fabrication of Chromium (Cr) incorporated photoanodes for Visible-light driven Water Splitting Applications. <i>Scientific Reports</i> , 2020, 10, 9707.	1.6	12
10	Organic template-based ZnO embedded Mn ₃ O ₄ nanoparticles: synthesis and evaluation of their electrochemical properties towards clean energy generation. <i>RSC Advances</i> , 2020, 10, 9854-9867.	1.7	21
11	Levels of heavy metal concentrations and their effect on net nitrification rates and nitrifying archaea/bacteria in paddy soils of Bangladesh. <i>Applied Soil Ecology</i> , 2020, 156, 103697.	2.1	29
12	Organic template-assisted green synthesis of CoMoO ₄ nanomaterials for the investigation of energy storage properties. <i>RSC Advances</i> , 2020, 10, 8115-8129.	1.7	52
13	Effect of NiO on organic framework functionalized ZnO nanoparticles for energy storage application. <i>International Journal of Energy Research</i> , 2020, 44, 5259-5271.	2.2	29
14	Functionalization of MoO ₃ NiMoO ₄ nanocomposite using organic template for energy storage application. <i>Journal of Energy Storage</i> , 2020, 29, 101309.	3.9	38
15	Cobalt sulfide nanoparticles: Synthesis, water splitting and supercapacitance studies. <i>Materials Science in Semiconductor Processing</i> , 2020, 109, 104925.	1.9	29
16	Effects of bioactive compounds on the morphology and surface chemistry of MoO ₃ /ZnMoO ₄ nanocomposite for supercapacitor. <i>Journal of Materials Science</i> , 2020, 55, 7743-7759.	1.7	21
17	Synthesis and analysis of ZnO@CoMoO ₄ incorporated organic compounds for efficient degradation of azo dye pollutants under dark ambient conditions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5733.	1.7	6
18	Effect of chemical agents, metallic salts on the stability of Î±-amylase, protease and comparative analyses of enzyme activity of selected salad vegetables. <i>Food Research</i> , 2020, 4, 1066-1070.	0.3	1

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19	Metal selenobenzoate complexes: Novel single source precursors for the synthesis of metal selenide semiconductor nanomaterials. <i>Materials Today: Proceedings</i> , 2019, 10, 66-74.	0.9	11
20	In situ synthesis and deposition of un-doped and doped magnesium sulfide thin films by green technique. <i>Optik</i> , 2019, 182, 739-744.	1.4	12
21	Fabrication of Ni ²⁺ incorporated ZnO photoanode for efficient overall water splitting. <i>Applied Surface Science</i> , 2019, 490, 302-308.	3.1	17
22	Chemically vaporized cobalt incorporated wurtzite as photoanodes for efficient photoelectrochemical water splitting. <i>Materials Science in Semiconductor Processing</i> , 2019, 101, 223-229.	1.9	12
23	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.	1.4	5
24	The closed form solutions of simplified MCH equation and third extended fifth order nonlinear equation. <i>Propulsion and Power Research</i> , 2019, 8, 163-172.	2.0	9
25	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.	9.5	50
26	A new technique for obtaining approximate solution of higher order nonlinear differential equation. <i>Journal of Interdisciplinary Mathematics</i> , 2019, 22, 797-809.	0.4	5
27	Structural and Dynamic Characterizations Highlight the Deleterious Role of SULT1A1 R213H Polymorphism in Substrate Binding. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6256.	1.8	43
28	Effect of probiotics on immune competence of giant freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Aquaculture Research</i> , 2019, 50, 644-657.	0.9	21
29	Closed-form travelling wave solutions to the nonlinear space-time fractional coupled Burgers's equation. <i>Arab Journal of Basic and Applied Sciences</i> , 2019, 26, 1-11.	1.0	7
30	BIOETHANOL PRODUCTION FROM AGRICULTURAL PRODUCTS AND FRUITS OF BANGLADESH. <i>International Journal of GEOMATE</i> , 2019, 17, .	0.1	3
31	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.	0.7	21
32	Bis(selenobenzoato)dibutyltin 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.	1.6	44
33	PbS x Se ^{1-x} thin films from the thermal decomposition of lead(II) dodecylxanthate and bis(N,N-diethyl-N ² -naphthoyselenoureate)lead(II) precursors. <i>Journal of Materials Science</i> , 2018, 53, 4283-4293.	1.7	15
34	The synthesis of a monodisperse quaternary ferrite (FeCoCrO ₄) from the hot injection thermolysis of the single source precursor [CrCoFeO ₂ C _t Bu ₆ (HO ₂ C _t Bu ₃)]. <i>Dalton Transactions</i> , 2018, 47, 376-381.	1.6	10
35	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
36	Polypyrrole-Fe ₂ O ₃ Nanocomposites with High Dielectric Constant: In Situ Chemical Polymerisation. <i>Polymers and Polymer Composites</i> , 2018, 26, 233-241.	1.0	11

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37	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. Solar Energy, 2018, 169, 526-534.	2.9	62
38	Structural investigations of SnS _{1-x} Se _x solid solution synthesized from chalcogeno-carboxylate complexes of organo-tin by colloidal and solvent-less routes. Dalton Transactions, 2018, 47, 10025-10034.	1.6	36
39	Photocatalytic removal of carcinogenic reactive red S3B dye by using ZnO and Cu doped ZnO nanoparticles synthesized by polyol method: A kinetic study. Solar Energy, 2018, 173, 875-881.	2.9	30
40	Nanocrystalline Pyrite for Photovoltaic Applications. ChemistrySelect, 2018, 3, 6488-6524.	0.7	25
41	Traveling wave solutions in closed form for some nonlinear fractional evolution equations related to conformable fractional derivative. AIMS Mathematics, 2018, 3, 625-646.	0.7	8
42	Controlled synthesis of all inorganic CsPbBr ₂ I perovskite by non-template and aerosol assisted chemical vapour deposition. Materials Letters, 2017, 190, 244-247.	1.3	29
43	Enhanced photocatalytic activity of water stable hydroxyl ammonium lead halide perovskites. Materials Science in Semiconductor Processing, 2017, 63, 6-11.	1.9	26
44	Nanocrystalline and monophasic thin films of metal chalcogenide (FeS, ZnS) and oxide (ZnO) by chemical bath deposition (CBD). Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700008.	0.8	2
45	Surfactant and template free synthesis of porous ZnS nanoparticles. Materials Chemistry and Physics, 2017, 189, 28-34.	2.0	25
46	A Facile Route to Cesium Lead Bromiodide Perovskite Microcrystals and Their Potential Application as Sensors for Nitrophenol Explosives. European Journal of Inorganic Chemistry, 2017, 2017, 3755-3760.	1.0	32
47	The influence of precursor on rhenium incorporation into Re-doped MoS ₂ (Mo _{1-x} Re _x S ₂) thin films by aerosol-assisted chemical vapour deposition (AACVD). Journal of Materials Chemistry C, 2017, 5, 9044-9052.	2.7	18
48	Magnetic spectroscopy of nanoparticulate greigite, Fe ₃ S ₄ . Mineralogical Magazine, 2017, 81, 857-872.	0.6	9
49	Optical and gas sensing properties of SnO ₂ nanowires grown by vapor-liquid-solid mechanism. Journal of Materials Science: Materials in Electronics, 2017, 28, 17993-18002.	1.1	5
50	Synthesis of Hybrid to Inorganic Quasi 2D-Layered Perovskite Nanoparticles. ChemistrySelect, 2017, 2, 5595-5599.	0.7	8
51	The effect of temperature on the growth of Ag ₂ O nanoparticles and thin films from bis(2-hydroxy-1-naphthaldehydato)silver(I) complex by the thermal decomposition of spin-coated films. Materials Science in Semiconductor Processing, 2017, 71, 109-115.	1.9	13
52	Phase pure deposition of flower-like thin films by aerosol assisted chemical vapor deposition and solvent mediated structural transformation in copper sulfide nanostructures. Thin Solid Films, 2017, 638, 338-344.	0.8	33
53	Multiple closed form wave solutions to the KdV and modified KdV equations through the rational (G'/G)-expansion method. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2017, 24, 160-168.	1.0	7
54	Magnetic, Electrical and Thermal Studies of Polypyrrole-Fe ₂ O ₃ Nanocomposites. Polymer Science - Series A, 2017, 59, 902-908.	0.4	3

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55	The Influence of Temperature on the Formation of Cubic Structured CdO Nanoparticles and Their Thin Films from <i>Bis</i> (2-hydroxy-1-naphthaldehydato)cadmium(II) Complex via Thermal Decomposition Technique. <i>Journal of Nanotechnology</i> , 2017, 2017, 1-11.	1.5	7
56	A STUDY OF THE ONSET OF NATURAL CONVECTION DURING MELTING OF PCMS IN A CYLINDRICAL ENCLOSURE. , 2017, , .		0
57	Tuning the Phase and Shape of Copper Sulfide Nanostructures Using Mixed Solvent Systems. <i>ChemistrySelect</i> , 2016, 1, 5982-5989.	0.7	23
58	A facile method for the production of SnS thin films from melt reactions. <i>Journal of Materials Science</i> , 2016, 51, 6166-6172.	1.7	38
59	Nanoparticles of Cu ₂ ZnSnS ₄ as performance enhancing additives for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5109-5115.	2.7	11
60	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
61	Impact of commercial probiotics application on growth and production of giant fresh water prawn (<i>Macrobrachium Rosenbergii</i> De Man, 1879). <i>Aquaculture Reports</i> , 2016, 4, 112-117.	0.7	26
62	The effect of alkyl chain length on the structure of lead(<i>ii</i>) xanthates and their decomposition to PbS in melt reactions. <i>Dalton Transactions</i> , 2016, 45, 16345-16353.	1.6	45
63	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, 13127-13135.	1.7	27
64	The deposition of PbS and PbSe thin films from lead dichalcogenoimidophosphinates by AACVD. <i>Inorganica Chimica Acta</i> , 2016, 453, 439-442.	1.2	23
65	Synthesis, characterization and X-ray crystal structures of two non-molecular coordination polymers of manganese(II) and copper(II) with N-(2-pyridylmethyl)-l-alanine and isothiocyanato ligands. <i>Transition Metal Chemistry</i> , 2016, 41, 889-896.	0.7	2
66	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.	1.3	25
67	Synthetic routes to iron chalcogenide nanoparticles and thin films. <i>Dalton Transactions</i> , 2016, 45, 18803-18812.	1.6	41
68	Phase controlled synthesis of copper sulfide nanoparticles by colloidal and non-colloidal methods. <i>Materials Chemistry and Physics</i> , 2016, 180, 404-412.	2.0	14
69	Assembly of Submicron Sized Ag, Co, and Ni Particles Into Thin Films at Liquid/Liquid Interfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5420-5425.	0.9	2
70	Deposition of morphology-tailored PbS thin films by surfactant-enhanced aerosol assisted chemical vapor deposition. <i>Materials Science in Semiconductor Processing</i> , 2016, 46, 39-45.	1.9	40
71	Chemical vapour deposition of rhenium disulfide and rhenium-doped molybdenum disulfide thin films using single-source precursors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2312-2318.	2.7	46
72	Colloidal Sb ₂ S ₃ nanocrystals: synthesis, characterization and fabrication of solid-state semiconductor sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6809-6814.	5.2	21

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73	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
74	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. Bulletin of the Chemical Society of Japan, 2015, 88, 1453-1458.	2.0	7
75	Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition. Journal of Materials Chemistry C, 2015, 3, 6755-6763.	2.7	59
76	Special Role for Zinc Stearate and Octadecene in the Synthesis of Luminescent ZnSe Nanocrystals. Chemistry of Materials, 2015, 27, 3797-3800.	3.2	29
77	Synthesis of mackinawite FeS thin films from acidic chemical baths. Materials Science in Semiconductor Processing, 2015, 32, 1-5.	1.9	20
78	In Situ Synthesis of PbS Nanocrystals in Polymer Thin Films from Lead(II) Xanthate and Dithiocarbamate Complexes: Evidence for Size and Morphology Control. Chemistry of Materials, 2015, 27, 2127-2136.	3.2	84
79	Synthesis of pyrite thin films and transition metal doped pyrite thin films by aerosol-assisted chemical vapour deposition. New Journal of Chemistry, 2015, 39, 1013-1021.	1.4	41
80	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
81	Study of Thermal Conductivity and Mechanical Property of Insulating Firebrick Produced by Local Clay and Petroleum Coal Dust as Raw Materials. Procedia Engineering, 2015, 105, 121-128.	1.2	13
82	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
83	Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties. Materials Science in Semiconductor Processing, 2015, 39, 283-291.	1.9	55
84	The AACVD of Cu ₂ FeSn(S _x) ₄ : potential environmentally benign solar cell materials. New Journal of Chemistry, 2015, 39, 7046-7053.	1.4	25
85	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
86	Investigation of PbS nanocrystals sensitized extremely thin absorber (ETA) solar cell. Materials Science in Semiconductor Processing, 2015, 36, 20-26.	1.9	11
87	Growth of Cu ₂ ZnSnSe ₄ and Cu ₂ FeSnSe ₄ thin films by AACVD from molecular precursors. Materials Letters, 2015, 152, 60-64.	1.3	15
88	AACVD of Cu ₂ S, In ₂ S ₃ and CuInS ₂ thin films from [Cu(ⁱ Bu) ₂ PS] ₂ (PPh) ₃ and [In(ⁱ Bu) ₂ PS] ₃ as single source precursors. New Journal of Chemistry, 2015, 39, 4047-4054.	1.4	12
89	Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT studies. Materials Chemistry and Physics, 2015, 160, 440-446.	2.0	28
90	The controlled deposition of Cu ₂ (Zn _y Fe _{1-y})SnS ₄ , Cu ₂ (Zn _y Fe _{1-y})SnSe ₄ and Cu ₂ (Zn _y Fe _{1-y})Sn(S _x) ₄ thin films by AACVD: potential solar cell materials based on earth abundant elements. Journal of Materials Chemistry C, 2015, 3, 5733-5741.	2.7	11

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91	Phase-pure fabrication and shape evolution studies of SnS nanosheets. <i>New Journal of Chemistry</i> , 2015, 39, 9569-9574.	1.4	43
92	Transition metal doped pyrite (FeS ₂) thin films: structural properties and evaluation of optical band gap energies. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12068-12076.	2.7	59
93	Morphology and band gap controlled AACVD of CdSe and CdS Se ¹⁺ thin films using novel single source precursors: Bis(diethylthio/diselenocarbamate)cadmium(II). <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 848-854.	1.9	18
94	Synthesis of Nanoparticulate Alloys of the Composition Cu ₂ Zn ¹⁺ Fe ^x SnS ₄ : Structural, Optical, and Magnetic Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 15086-15089.	6.6	17
95	Thin films of tin(II) sulphide (SnS) by aerosol-assisted chemical vapour deposition (AACVD) using tin(II) dithiocarbamates as single-source precursors. <i>Journal of Crystal Growth</i> , 2015, 415, 93-99.	0.7	75
96	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.	1.9	16
97	Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 292-297.	1.9	35
98	Decay of Temperature Fluctuations in Dusty Fluid Homogeneous Turbulence Prior to the Ultimate Period in Presence of Coriolis Force. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 1932-1939.	0.1	1
99	In vitro Morphogenesis of Arabian Date Palm (<i>Phoenix dactylifera</i> L.). <i>Plant Tissue Culture and Biotechnology</i> , 2014, 23, 211-219.	0.1	0
100	Determinants of Public Attitudes to Genetically Modified Salmon. <i>PLoS ONE</i> , 2014, 9, e86174.	1.1	38
101	Gene Technology for Papaya Ringspot Virus Disease Management. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	0.8	33
102	Combining Ability of Pod Yield and Related Traits of Groundnut (<i>Arachis hypogaea</i> L.) under Salinity Stress. <i>Scientific World Journal, The</i> , 2014, 2014, 1-7.	0.8	9
103	Transport Equations of Three-point Distribution Functions in MHD Turbulent Flow for Velocity, Magnetic Temperature and Concentration. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 5184-5220.	0.1	2
104	In situ Synthesis of Self-Assembled Gold Nanoparticles on Glass or Silicon Substrates through Reactive Inkjet Printing. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 420-423.	7.2	33
105	Dialkyldiselenophosphinato-metal complexes 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.	0.3	2
106	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. <i>New Journal of Chemistry</i> , 2014, 38, 6073-6080.	1.4	55
107	Synthesis of iron selenide nanocrystals and thin films from bis(tetraisopropyldiselenoimidodiphosphinato)iron and bis(tetraphenyldiselenoimidodiphosphinato)iron complexes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20612-20620.	5.2	25
108	Factors influencing stakeholders' attitudes toward cross-kingdom gene transfer in rice. <i>New Genetics and Society</i> , 2014, 33, 370-399.	0.7	13

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109	Effect of percentage (mass %) of coal on the mechanical and thermal behavior of insulating fire bricks manufactured by burnout process. , 2014, , .		1
110	Deposition of binary, ternary and quaternary metal selenide thin films from diisopropyldiselenophosphinato-metal precursors. Journal of Crystal Growth, 2014, 394, 39-48.	0.7	23
111	Colloidal Synthesis of ZnS, CdS and Zn x Cd ^{1-x} S Nanoparticles from Zinc and Cadmium Thiobiuret Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 226-240.	1.9	19
112	Synthesis of SnO ₂ nanostructures by ultrasonic-assisted sol-gel method. Journal of Sol-Gel Science and Technology, 2014, 69, 617-624.	1.1	17
113	Phase-Controlled Deposition of Copper Sulfide Thin Films by Using Single-Molecular Precursors. European Journal of Inorganic Chemistry, 2014, 2014, 533-538.	1.0	17
114	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
115	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. Chemistry of Materials, 2014, 26, 999-1013.	3.2	50
116	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
117	Genetically engineered organisms for bioremediation of pollutants in contaminated sites. Science Bulletin, 2014, 59, 703-714.	1.7	65
118	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. Journal of Materials Chemistry C, 2014, 2, 6781-6789.	2.7	14
119	The aerosol assisted chemical vapour deposition of SnSe and Cu ₂ SnSe ₃ thin films from molecular precursors. Chemical Communications, 2014, 50, 14328-14330.	2.2	39
120	Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. Inorganic Chemistry Frontiers, 2014, 1, 577-598.	3.0	87
121	A direct synthesis of water soluble monodisperse cobalt and manganese ferrite nanoparticles from iron based pivalate clusters by the hot injection thermolysis method. Materials Science in Semiconductor Processing, 2014, 27, 303-308.	1.9	21
122	Effects of Mg doping on optical and CO gas sensing properties of sensitive ZnO nanobelts. CrystEngComm, 2014, 16, 6080-6088.	1.3	52
123	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
124	Colloidal preparation of copper selenide and indium selenide nanoparticles by single source precursors approach. , 2013, , .		1
125	Synthesis of multi-podal CdS nanostructures using heterocyclic dithiocarbamate complexes as precursors. Polyhedron, 2013, 56, 62-70.	1.0	28
126	Organotin Dithiocarbamates: Single-Source Precursors for Tin Sulfide Thin Films by Aerosol-Assisted Chemical Vapor Deposition (AACVD). Chemistry of Materials, 2013, 25, 266-276.	3.2	129

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127	The synthesis of iron sulfide nanocrystals from tris(O-alkylxanthato)iron(iii) complexes. Journal of Materials Chemistry A, 2013, 1, 8766.	5.2	35

128 The synthesis, spectroscopy and X-ray single crystal structure of

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145	High-throughput route to Cu ₂ xS nanoparticles from single molecular precursor. <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 218-221.	1.9	5
146	Deposition of iron sulfide thin films by AACVD from single source precursors. <i>Journal of Crystal Growth</i> , 2012, 346, 106-112.	0.7	36
147	Nickel and Iron Sulfide Nanoparticles from Thiobiurets. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2253-2259.	1.5	54
148	Nanostructured ZnO Thin Films for Optical, Electrical, and Photoelectrochemical Applications from a New Zn Complex. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16361-16368.	1.8	11
149	Anti-inflammatory and analgesic activities of acetophenone semicarbazone and benzophenone semicarbazone. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S1036-S1039.	0.5	20
150	Eosinophilic Fasciitis: What Matters in Management in a Developing Country? A Case Report with Two and a Half-year Follow-up. <i>Journal of Health, Population and Nutrition</i> , 2012, 30, 117-20.	0.7	7
151	Routes to copper zinc tin sulfide Cu ₂ ZnSnS ₄ a potential material for solar cells. <i>Chemical Communications</i> , 2012, 48, 5703.	2.2	204
152	Single source molecular precursor routes to lead chalcogenides. <i>Dalton Transactions</i> , 2012, 41, 10497.	1.6	60
153	Mixing in turbulent free jets issuing from isosceles triangular orifices with different apex angles. <i>Experimental Thermal and Fluid Science</i> , 2012, 39, 237-251.	1.5	35
154	The oriented self-assembly of small PbSe nanocrystals into extended structures ~nanoworms™. <i>Materials Letters</i> , 2012, 77, 78-81.	1.3	7
155	Near-field mixing in turbulent free jets issuing from triangular orifices with different apex angles. , 2012, , .		0
156	A novel single source precursor: [bis(N,N-diethyl-N-2-naphthoyl-selenoureato)palladium(<i>ii</i>)] for palladium selenide thin films and nanoparticles. <i>Chemical Communications</i> , 2011, 47, 1899-1901.	2.2	23
157	Phosphine stabilized copper(i) complexes of dithiocarbamates and xanthates and their decomposition pathways. <i>New Journal of Chemistry</i> , 2011, 35, 2773.	1.4	44
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