Kedarnath Gotluru

List of Publications by Year
in descending order

29	656	623734 14	552781 26
papers	citations	h-index	g-index

29	29	29	431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of photo-responsive indium selenides (InSe and In₂Se₃) from tris(4,6-dimethyl-2-pyrimidylselenolato)indium(<scp>iii</scp>) as a molecular precursor. New Journal of Chemistry, 2022, 46, 3871-3881.	2.8	10
2	Synthesis and characterization of methyl indium 4,6-dimethyl-2-pyrimidyl selenolates and its utility for indium selenide, CuInSe2 nanostructures and indium selenide thin films. Journal of Materials Research, 2022, 37, 1341-1356.	2.6	1
3	Molecular precursor driven synthesis of phase pure tin sulfide nanosheets and investigation of their photoresponsive behaviour. Polyhedron, 2022, 220, 115833.	2.2	5
4	A Highly Active Nitrogenâ€Doped Mixedâ€Phase Mixedâ€Valence Cobalt Nanocatalyst for Olefins and Nitroarenes Hydrogenation. ChemistrySelect, 2022, 7, .	1.5	2
5	Di-tert-butyltin(<scp>iv</scp>) 2-pyridyl and 4,6-dimethyl-2-pyrimidyl thiolates: versatile single source precursors for the preparation of SnS nanoplatelets as anode material for lithium ion batteries. Dalton Transactions, 2021, 50, 13073-13085.	3.3	15
6	Dimethyltin(<scp>iv</scp>)-4,6-dimethyl-2-pyridylselenolate: an efficient single source precursor for the preparation of SnSe nanosheets as anode material for lithium ion batteries. Dalton Transactions, 2021, 50, 15730-15742.	3.3	12
7	Accessing photoresponsive copper selenide nanomaterials and thin films through tetranuclear Cu(I) pyridylselenolate cluster. Journal of Materials Science, 2020, 55, 15439-15453.	3.7	14
8	Synthesis and Characterization of Some BODIPYâ€based Substituted Salicylaldimine Schiff Bases. Journal of Heterocyclic Chemistry, 2019, 56, 2499-2507.	2.6	5
9	Accessing copper-tin-sulfide nanostructures from diorganotin(IV) and copper(I) 2-pyrazinyl thiolates. Journal of Organometallic Chemistry, 2019, 887, 24-31.	1.8	12
10	Applications of metal selenium/tellurium compounds in materials science. Physical Sciences Reviews, 2019, 4, .	0.8	4
11	Synthesis, characterization and photovoltaic properties of phase pure Cu2SnSe3 nanostructures using molecular precursors. Journal of Materials Science: Materials in Electronics, 2018, 29, 8937-8946.	2.2	8
12	Synthesis, Characterization and Photo Response Behaviour of InSe and CuInSe₂ Nanostructures Using Tris(5â€methylâ€2â€pyridylselenolato)indium(III) as Molecular Precursor. ChemistrySelect, 2018, 3, 10394-10401.	1.5	14
13	Facile one-pot synthesis of tin selenide nanostructures using diorganotin bis(5-methyl-2-pyridylselenolates). Journal of Organometallic Chemistry, 2018, 873, 15-21.	1.8	20
14	Germanium Xanthates: Versatile Precursors for Photo Responsive Germanium Sulfide Nanostructures. ChemistrySelect, 2017, 2, 4598-4604.	1.5	7
15	Diorganotin(<scp>iv</scp>) 4,6-dimethyl-2-pyrimidyl selenolates: synthesis, structures and their utility as molecular precursors for the preparation of SnSe₂ nano-sheets and thin films. RSC Advances, 2016, 6, 8367-8376.	3.6	21
16	Diorganotin(<scp>iv</scp>) 2-pyridyl and 2-pyrimidyl thiolates: synthesis, structures and their utility as molecular precursors for the preparation of tin sulfide nanosheets. RSC Advances, 2015, 5, 62882-62890.	3.6	12
17	Synthesis, structures and DFT calculations of 2-(4,6-dimethyl pyrimidyl)selenolate complexes of Cu(<scp>i</scp>), Ag(<scp>i</scp>) and Au(<scp>i</scp>) and their conversion into metal selenide nanocrystals. Dalton Transactions, 2014, 43, 6525-6535.	3.3	28
18	Indium(III) (3-methyl-2-pyridyl)selenolate: Synthesis, structure and its utility as a single source precursor for the preparation of In2Se3 nanocrystals and a dual source precursor with [Cu{SeC5H3(Me-3)N}]4 for the preparation of CuInSe2. Journal of Organometallic Chemistry, 2013, 747, 113-118.	1.8	28

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19	Pyridyl and pyrimidyl chalcogen (Se and Te) compounds: A family of multi utility molecules. Coordination Chemistry Reviews, 2013, 257, 1409-1435.	18.8	109
20	Diorganotin(iv) 2-pyridyl selenolates: synthesis, structures and their utility as molecular precursors for the preparation of tin selenide nanocrystals and thin films. Dalton Transactions, 2012, 41, 12129.	3.3	51
21	Reactivity of Dipyridyl Ditellurides with (Diphosphine)Pt⁰ and 2-Pyridyltellurolates with (Diphosphine)PtCl₂ and Isolation of Different Structural Motifs of Platinum(II) Complexes. Organometallics, 2012, 31, 1743-1750.	2.3	32
22	Reactivity of dipyrimidyldiselenides with [M(PPh3)4] and 2-pyrimidylchalcogenolates with [MCl2(diphosphine)] (MÂ=ÂPd or Pt). Journal of Organometallic Chemistry, 2012, 717, 180-186.	1.8	36
23	Copper(i) 2-pyridyl selenolates and tellurolates: Synthesis, structures and their utility as molecular precursors for the preparation of copper chalcogenide nanocrystals and thin films. Dalton Transactions, 2011, 40, 9194.	3.3	62
24	Monomeric pyridyl-2-selenolate complexes of cadmium and mercury: Synthesis, characterization and their conversion to metal selenide nanoparticles. Inorganica Chimica Acta, 2011, 365, 333-339.	2.4	34
25	Bis(3-methyl-2-pyridyl)ditelluride and pyridyl tellurolate complexes of zinc, cadmium, mercury: Synthesis, characterization and their conversion to metal telluride nanoparticles. Dalton Transactions, 2009, , 8378.	3.3	27
26	Synthesis of undoped and manganese-doped hgte nanoparticles using [Hg(TeCH2CH2NMe2)2] as a single source precursor. Journal of Nanoscience and Nanotechnology, 2008, 8, 4500-5.	0.9	0
27	Zinc, Cadmium and Mercury Dithiocarboxylates: Synthesis, Characterization, Structure and Their Transformation to Metal Sulfide Nanoparticles. European Journal of Inorganic Chemistry, 2007, 2007, 1566-1575.	2.0	25
28	Group 12 metal monoselenocarboxylates: synthesis, characterization, structure and their transformation to metal selenide (MSe; M = Zn, Cd, Hg) nanoparticles. Dalton Transactions, 2006, , 2714.	3.3	46
29	Synthesis and Characterization of Metal Selenide (ZnSe, CdSe, HgSe) Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 1031-1037.	0.9	16