

Meena Nagar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, Characterization and Antibacterial Activity of Some Transition Metal cis-3,7-dimethyl-2,6-octadienemicarbazone Complexes. <i>Transition Metal Chemistry</i> , 2006, 31, 201-206.	1.4	35
2	Chemically modified oximate complexes of titanium(IV) isopropoxide as new precursors for the sol-gel preparation of nano-sized titania: Crystal and molecular structure of $[Ti\{ONC_{10}H_{16}O_4 \cdot 2CH_2Cl_2\}]_3$. <i>Polyhedron</i> , 2011, 30, 821-831.	2.2	34
3	Transition metal complexes with N, S donor ligands as synthetic antioxidants: Synthesis, characterization and antioxidant activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 394-403.	5.2	23
4	Molecular precursors for the preparation of homogenous zirconia-silica materials by hydrolytic sol-gel process in organic media. Crystal structures of $[Zr\{OSi(OtBu)_3\}_4(H_2O)_2] \cdot 2H_2O$ and $[Ti(OtBu)\{OSi(OtBu)_3\}_3]$. <i>Dalton Transactions</i> , 2012, 41, 9439.	3.3	22
5	Sol-gel synthesis of highly pure $\gamma-Al_2O_3$ nano-rods from a new class of precursors of salicylaldehyde-modified aluminum(isopropoxide). Crystal and molecular structure of $[Al(OC_6H_4CHO)_3]$. <i>RSC Advances</i> , 2014, 4, 30081-30089.	3.6	22
6	Glycol modified titanoxane as molecular precursor for homogenous titania-silica material: synthesis and characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 97-108.	2.4	17
7	Sol-gel synthesis of Ga ₂ O ₃ nanorods and effect of precursor chemistry on their structural and morphological properties. <i>Ceramics International</i> , 2018, 44, 19099-19105.	4.8	17
8	New sol-gel precursors for binary oxides of antimony, Sb ₂ O ₃ (senarmonite) and γ -Sb ₂ O ₄ : synthesis and characterization of some ketoximate modified antimony(III) alkoxides. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 54, 119-128.	2.4	16
9	Non-aqueous synthesis of nano-sized aluminium(III) isopropoxide derivatives with 8-hydroxyquinoline and their sol-gel transformation to nano-sized γ -alumina. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 245-253.	2.4	13
10	Synthesis, characterization and antimicrobial activities of some mixed ligand complexes of Co(II) with thiosemicarbazones and N-protected amino acids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 197-204.	5.2	12
11	Glycol modified <i>cis</i> -diisopropoxy-bis(<i>N</i>) transformation to nanocrystalline zirconia. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2234-2245.	2.2	10
12	Synthesis and characterization of glycol-modified vanadium(V) oxoisopropoxide and their oximate derivatives: sol-gel transformations of $[VO(OPr)_3]$, $[VO\{OCH_2CH_2OCH_2CH_2O\}(OPr)_2]$ and $[VO\{OCH_2CH_2OCH_2CH_2O\}(ON=C(CH_3)(C_4H_9S-2))]$ to vanadia. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 53, 67-78.	2.4	10
13	Synthesis and characterization of organotin(IV) semicarbazones: potential precursors for nanosized tin oxide. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 114-121.	2.4	8
14	Synthesis and characterization of some bis(cyclopentadienyl)titanium(IV) complexes with internally functionalized oximes(LH): sol-gel transformations of Cp_2TiCl_2 , Cp_2TiCl and Cp_2TiL_2 to nano-sized anatase titania. <i>Applied Organometallic Chemistry</i> , 2011, 25, 198-206.	3.5	7
15	Synthesis, Structural, and Antibacterial Studies of Some Mixed Ligand Complexes of Zn(II), Cd(II), and Hg(II) Derived From Citral Thiosemicarbazone and N-Phthaloyl Amino Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2006, 181, 2863-2875.	1.6	5
16	Syntheses and characterization of a new class of zirconia precursors of oxime-modified zirconium(IV) isopropoxide. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 102-106.	2.4	5
17	Highly Pure Brookite Phase of TiO ₂ from Salicylaldehyde Modified Titanium(IV) Isopropoxide: Synthesis, Characterization and Photocatalytic Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1393-1403.	3.7	5
18	Synthesis and Characterisation of Modified Germanium (IV) Isopropoxide with Internally Functionalised oximes: Soft Transformation of Some of These to Pure Nano-Sized Germania. <i>Journal of Chemical Research</i> , 2007, 2007, 713-716.	1.3	4

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19	Low-temperature sol-gel transformation of methyl silicon precursors to silica-based hybrid materials. <i>Applied Organometallic Chemistry</i> , 2008, 22, 629-636.	3.5	4
20	Dialkyl (Alkylene) Dithiophosphate Adducts of Anhydrous Stannous Chloride: Synthesis, Characterization, and Biological Activities. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 1331-1338.	1.6	3
21	Synthesis and characterization of glycol ether and oxime modified precursors of niobium(V) for soft transformation to niobia. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 88-96.	2.4	3
22	Syntheses and characterization of a new class of vanadia precursors of oxime-modified oxovanadium(V) isopropoxide, crystal and molecular structure of $[\text{VO}(\text{ONC}10\text{H}16)_3]$. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 464-472.	2.4	3
23	Synthesis and characterization of some acetoxime-modified hetero-metal alkoxide precursors of zinc(II) and aluminum(III) for sol-gel transformation to nano-sized ZnAl_2O_4 . <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 447-457.	2.4	3
24	Synthesis and characterization of a new class of single-phase AlVO_4 precursors. <i>Materials Research Innovations</i> , 2017, 21, 172-176.	2.3	3
25	Formation of nano-sized cubic zirconia by aqueous sol-gel route. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 691-700.	1.9	3
26	Synthesis and characterisation of zinc and cadmium thiosemicarbazones: potential precursors for nano sized metal oxides/sulphides. <i>Materials Research Innovations</i> , 2022, 26, 36-43.	2.3	3
27	Synthesis and structural characterization of some binuclear acetylacetonate and Schiff's base complexes containing aluminum(III) atoms in different coordination states. <i>Main Group Metal Chemistry</i> , 2013, 36, .	1.6	2
28	Synthesis, Spectroscopic Characterization, and Antifungal Activity of Some Mixed Ligand Complexes of Zn(II), Cd(II), and Hg(II). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 1526-1535.	1.6	1
29	Synthesis and Biological Activity of Organophosphates Phenoxy Derivatives Derived from 2-Mercapto Benzoxazole. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 1699-1705.	1.6	1
30	Synthesis and characterization of thiosemicarbazone derivatives of methylbismuth(III) dichloride: generation of one dimensional micro-rods of bismuthinite from $[\text{MeBiCl}_2 \cdot n\{(\text{C}_6\text{H}_4\text{OH})\text{CHNNHCSNH}_2\}]$ by a solvothermal process. <i>Main Group Metal Chemistry</i> , 2011, 34, .	1.6	0
31	Synthesis and characterization of the coordination polymer $[(\text{THF})\text{K}(\frac{1}{4}\text{-OPri})_2\text{Al}(\frac{1}{4}\text{-OPri})_2]_n$. <i>Main Group Metal Chemistry</i> , 2018, .	1.6	0