

Periakaruppan T Manoharan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spectroscopic dimensions of silver nanoparticles and clusters in ZnO matrix and their role in bioinspired antifouling and photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8541.	2.8	62
2	Oxygen vacancies and intense luminescence in manganese loaded ZnO microflowers for visible light water splitting. <i>Nanoscale</i> , 2015, 7, 13935-13942.	5.6	54
3	Cu ₂ S-incorporated ZnS nanocomposites for photocatalytic hydrogen evolution. <i>RSC Advances</i> , 2015, 5, 30175-30186.	3.6	51
4	Structural and spectral diversities in copper(II) complexes of 2,6-bis(3,5-dimethylpyrazol-1-ylmethyl)pyridine. <i>Dalton Transactions RSC</i> , 2000, , 2779-2785.	2.3	30
5	DNA binding and cytotoxicity of two Cu(II) complexes containing a Schiff base ligand along with 1,10-phenanthroline or imidazole as a coligand. <i>Inorganica Chimica Acta</i> , 2018, 478, 211-221.	2.4	30
6	Synthesis and characterization of two stable paramagnetic octahedral chromium(IV) complexes with dianionic tridentate SNO donor ligands and of a chromium(III) complex with a ONO donor ligand. <i>Inorganica Chimica Acta</i> , 2008, 361, 1485-1495.	2.4	28
7	Effect of Silver on Plasmonic, Photocatalytic, and Cytotoxicity of Gold in AuAgZnO Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9077-9088.	3.1	28
8	DNA binding and cytotoxicity of some Cu(II)/Zn(II) complexes containing a carbohydrazone Schiff base ligand along with 1,10-phenanthroline as a coligand. <i>Inorganica Chimica Acta</i> , 2017, 466, 538-550.	2.4	25
9	Metal-ion coordination in copper and nickel reconstituted hemoglobins. <i>Journal of the American Chemical Society</i> , 1986, 108, 7095-7100.	13.7	22
10	Structure, characterisation and dynamics of copper(I) complexes of 2,6-bis(3,5-dimethylpyrazol-1-ylmethyl)pyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 371.	1.1	22
11	A New Paramagnetic Intermediate Formed during the Reaction of Nitrite with Deoxyhemoglobin. <i>Journal of the American Chemical Society</i> , 2011, 133, 13010-13022.	13.7	21
12	Spectroscopic, electrochemical and DNA binding studies of some monomeric copper(II) complexes containing N ₂ S(thiolate)Cu core and N ₄ S(disulfide)Cu core. <i>Inorganica Chimica Acta</i> , 2017, 456, 179-198.	2.4	21
13	Switching on Antiferromagnetic Coupled Superparamagnetism by Annealing Ferromagnetic Mn/CdS Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11413-11419.	3.1	18
14	NDDO MO calculations. <i>Theoretica Chimica Acta</i> , 1976, 41, 243-256.	0.8	17
15	Fuel mediated solution combustion synthesis of ZnO supported gold clusters and nanoparticles and their catalytic activity and in vitro cytotoxicity. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23686-23698.	2.8	17
16	Substrate-free copper nanoclusters exhibit super diamagnetism and surface based soft ferromagnetism. <i>Nanoscale</i> , 2017, 9, 17963-17974.	5.6	15
17	Coexistence of antiferromagnetism and ferromagnetism in Mn ²⁺ /CdS nanocrystals and their photophysical properties. <i>RSC Advances</i> , 2013, 3, 5184.	3.6	14
18	Magnetic and Spectroscopic Investigations of Tetra(4-t-butyl)phthalocyno Complexes of Cobalt(II) and Copper(II). <i>Journal of Porphyrins and Phthalocyanines</i> , 1998, 02, 423-427.	0.8	12

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19	Zinc Oxide-Supported Copper Clusters with High Biocidal Efficacy for <i>Escherichia coli</i> and <i>Bacillus cereus</i> . ACS Omega, 2017, 2, 2524-2535.	3.5	12
20	Crystal Structure of [Aib-COCO-Aib]Cu ₂ : A Unique Example of Modular Self-Assembly. Journal of the American Chemical Society, 1995, 117, 1643-1644.	13.7	11
21	Manganous ion dictated morphology change and ferromagnetism in CdS nanocrystals. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	11
22	Davydov Split PL Emission and EPR Correlation in \hat{I}^2 -MnS Layered CdS Nanorods. Journal of Physical Chemistry C, 2009, 113, 9486-9496.	3.1	10
23	NDDO MO calculations. Theoretica Chimica Acta, 1976, 41, 257-262.	0.8	9
24	Synthesis and characterization of a stable paramagnetic hexacoordinated oxochromium(IV) complex with dianionic tetradentate Schiff base ligand salen. Inorganica Chimica Acta, 2010, 363, 3798-3802.	2.4	7
25	Davydov splitting in cadmium vacancy emission, ferromagnetism and photosensitivity in manganese incorporated CdS nanocrystals. RSC Advances, 2014, 4, 22141-22154.	3.6	6
26	Magnetic and Spectroscopic Investigations of Tetra-(4- <i>t</i> -butyl)phthalocyano Complexes of $\hat{I}^2/4$ -Oxo-bridged Iron(II) Dimer. Journal of Porphyrins and Phthalocyanines, 1998, 02, 415-421.	0.8	5
27	Presence of Jahn-Teller distortions in a novel six-coordinate Ag(II) complex: temperature dependent EPR, optical and magnetic susceptibility measurements. Molecular Physics, 2000, 98, 2007-2019.	1.7	5
28	Ligand dynamics controlled reverse spin cross over in bis pyrazolyl pyridine based Fe(II) complex cation with metallodithiolato anions with an example of a ferromagnetic 2:1 cocrystal of mixed Ni(III)/Ni(II) oxidation states. Inorganica Chimica Acta, 2011, 374, 586-600.	2.4	5
29	A paramagnetic octahedral <i>trans</i> -dihydroxy chromium(IV) complex with dianionic tetradentate Schiff base salophen and crystal structure of its <i>trans</i> -diisothiocyanato analog. Journal of Coordination Chemistry, 2012, 65, 3623-3640.	2.2	5
30	Intra and intermodular exchange interactions in bis(\hat{I}^\pm -aminoisobutyrate)oxalamidodicopper(Aib-COCO-Aib)Cu ₂ . Chemical Physics Letters, 2005, 404, 227-231.	2.6	3
31	Studies on nitrosyl hemes in Ni(II) \hat{I}^\pm Fe(II) hybrid hemoglobins. Nitric Oxide - Biology and Chemistry, 2005, 13, 226-231.	2.7	3
32	NDDO MO Calculations. Theoretica Chimica Acta, 1979, 53, 293-296.	0.8	1
33	Spectroscopic studies for the changes of a Cr(II) compound in solution triggered by the deprotonation of an aqua ligand. Journal of Coordination Chemistry, 2015, 68, 2065-2095.	2.2	0