

Ratiram Gomaji Chaudhary

List of Publications by Year in descending order

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64
papers

1,515
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331670

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docs citations

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times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic Carbon Nitride-based Photocatalysts for Environmental Remediation of Organic Pollutants. <i>Current Nanoscience</i> , 2023, 19, 148-169.	1.2	5
2	Nanotechnology Applications in Plant Tissue Culture and Molecular Genetics: A Holistic Approach. <i>Current Nanoscience</i> , 2022, 18, 442-464.	1.2	9
3	Management of nanomaterial wastes. , 2022, , 125-144.		3
4	Bioinspired NiO Nanospheres: Exploring <i>In Vitro</i> Toxicity Using Bm-17 and <i>L. rohita</i> Liver Cells, DNA Degradation, Docking, and Proposed Vacuolization Mechanism. <i>ACS Omega</i> , 2022, 7, 6869-6884.	3.5	33
5	Salicylic Acid Treatment Reduces Lipid Peroxidation and Chlorophyll Degradation and Preserves Quality Attributes of Pointed Gourd Fruit. <i>Journal of Food Quality</i> , 2022, 2022, 1-7.	2.6	4
6	Biosynthesized Bi_2O_3 Nanoparticles from <i>Crinum viviparum</i> Flower Extract for Photocatalytic Dye Degradation and Molecular Docking. <i>ACS Omega</i> , 2022, 7, 20983-20993.	3.5	24
7	Phytofabrication of metal oxide/iron-based and their therapeutic and their therapeutic potentials: in-depth insights into the recent progress. , 2022, , 185-216.		3
8	Fabrications and applications of polymer-graphene nanocomposites for sustainability. , 2022, , 149-184.		0
9	Rationale and trends of applied nanotechnology. , 2022, , 373-389.		1
10	Phytofabrication of nickel-based nanoparticles: focus on environmental benign technology and therapeutic perspectives. , 2022, , 41-57.		2
11	Effect of Cu Doping on ZnO Nanoparticles as a Photocatalyst for the Removal of Organic Wastewater. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-12.	4.1	28
12	Phytochemically fabricated reduced graphene Oxide-ZnO NCs by <i>Sesbania bispinosa</i> for photocatalytic performances. <i>Materials Today: Proceedings</i> , 2021, 36, 756-762.	1.8	18
13	Fabrication of zinc oxide-decorated phyto-reduced graphene oxide nano hybrid via <i>Clerodendrum infortunatum</i> . <i>Emerging Materials Research</i> , 2021, 10, 75-84.	0.7	11
14	Synthesis, Characterization, and Applications of Green Synthesized Nanomaterials (Part 1). <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 722-723.	1.6	3
15	A Survey on Analytical Methods for the Characterization of Green Synthesized Nanomaterials. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 823-847.	1.6	12
16	Sulfamic Acid as Versatile Green Catalyst Used For Synthetic Organic Chemistry: A Comprehensive Update. <i>ChemistrySelect</i> , 2021, 6, 6867-6889.	1.5	9
17	Biogenic Synthesis and Applications of Nanomaterials (Part II). <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1684-1685.	1.6	1
18	Bioinspired Reduced Graphene Oxide Based Nano hybrids for Photocatalysis and Antibacterial Applications. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1759-1781.	1.6	19

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19	Biogenic Synthesis of Metal/Metal Oxide Nanostructured Materials. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1782-1793.	1.6	20
20	Bioinspired graphene-based silver nanoparticles: Fabrication, characterization and antibacterial activity. <i>Materials Today: Proceedings</i> , 2020, 29, 720-725.	1.8	27
21	An efficient fabrication of polypropylene hybrid nanocomposites using carbon nanotubes and PET fibrils. <i>Materials Today: Proceedings</i> , 2020, 29, 794-800.	1.8	7
22	Thermal, electrical, and mechanical properties of highly filled HDPE/graphite nanoplatelets composites. <i>Materials Today: Proceedings</i> , 2020, 29, 704-708.	1.8	19
23	Phytoreduced graphene oxide-titanium dioxide nanocomposites using <i>Moringa oleifera</i> stick extract. <i>Materials Today: Proceedings</i> , 2020, 29, 709-714.	1.8	16
24	Molecular docking and antioxidant activity of <i>Cleome simplicifolia</i> assisted synthesis of cerium oxide nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 29, 1085-1090.	1.8	14
25	A review on Nanotoxicology: Aquatic environment and biological system. <i>Materials Today: Proceedings</i> , 2020, 29, 1246-1250.	1.8	9
26	<i>Rhizoctonia solani</i> assisted biosynthesis of silver nanoparticles for antibacterial assay. <i>Materials Today: Proceedings</i> , 2020, 29, 939-945.	1.8	27
27	Ni-doped ZnO nanocrystalline material for electrocatalytic oxygen reduction reaction. <i>Materials Today: Proceedings</i> , 2020, 29, 715-719.	1.8	10
28	Photocatalytic degradation of dyes by nanomaterials. <i>Materials Today: Proceedings</i> , 2020, 29, 967-973.	1.8	45
29	Mesoporous Octahedron-Shaped Tricobalt Tetroxide Nanoparticles for Photocatalytic Degradation of Toxic Dyes. <i>ACS Omega</i> , 2020, 5, 7823-7835.	3.5	95
30	An antibacterial activity of <i>Bauhinia racemosa</i> assisted ZnO nanoparticles during lunar eclipse and docking assay. <i>Materials Today: Proceedings</i> , 2020, 29, 815-821.	1.8	23
31	CO Surrogates: A Green Alternative in Palladium-Catalyzed CO Gas Free Carbonylation Reactions. <i>Current Organic Chemistry</i> , 2020, 24, 2588-2600.	1.6	23
32	Fabrication of Microflower-shaped Mesoporous Fe (II) Chelate Polymer for Photocatalytic Performance under Visible Light. <i>Materials Today: Proceedings</i> , 2019, 15, 566-574.	1.8	11
33	Microwave-mediated Fabrication of Mesoporous Bi-doped CuAl ₂ O ₄ Nanocomposites for Antioxidant and Antibacterial Performances. <i>Materials Today: Proceedings</i> , 2019, 15, 454-463.	1.8	16
34	Microspheres/Custard Apples Copper (II) Chelate Polymer: Characterization, Docking, Antioxidant and Antibacterial Assay. <i>ChemistrySelect</i> , 2019, 4, 6233-6244.	1.5	21
35	Phytosynthesis of nearly monodisperse CuO nanospheres using <i>Phyllanthus reticulatus</i> / <i>Conyza bonariensis</i> and its antioxidant/antibacterial assays. <i>Materials Science and Engineering C</i> , 2019, 99, 783-793.	7.3	112
36	Metal/Metal Oxide Nanoparticles: Toxicity, Applications, and Future Prospects. <i>Current Pharmaceutical Design</i> , 2019, 25, 4013-4029.	1.9	72

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37	Mesoporous PbO nanoparticle-catalyzed synthesis of arylbenzodioxo xanthenedione scaffolds under solvent-free conditions in a ball mill. RSC Advances, 2019, 9, 31683-31690.	3.6	13
38	Sulfamic acid promoted one-pot multicomponent reaction: a facile synthesis of 4-oxo-tetrahydroindoles under ball milling conditions. RSC Advances, 2019, 9, 39735-39742.	3.6	18
39	Electrospinning production of nanofibrous membranes. Environmental Chemistry Letters, 2019, 17, 767-800.	16.2	103
40	Thermal decomposition kinetics of some transition metal coordination polymers of fumaroyl bis (paramethoxyphenylcarbamide) using DTG/DTA techniques. Arabian Journal of Chemistry, 2019, 12, 1070-1082.	4.9	49
41	Green fabrication of zinc oxide nanospheres by aspidopterys cordata for effective antioxidant and antibacterial activity. Advanced Materials Letters, 2019, 10, 355-360.	0.6	50
42	Microwave-mediated synthesis, photocatalytic degradation and antibacterial activity of Bi_2O_3 microflowers/novel Bi_2O_3 microspindles. Nano Structures Nano Objects, 2018, 13, 121-131.	3.5	76
43	Transition metal coordination polymers: Microwave-assisted synthesis, morphology, conductivity, and decomposition kinetics by TG/DTA techniques. Journal of the Chinese Advanced Materials Society, 2018, 6, 234-254.	0.7	1
44	Microwave-mediated synthesis of spinel CuAl_2O_4 nanocomposites for enhanced electrochemical and catalytic performance. Research on Chemical Intermediates, 2018, 44, 2039-2060.	2.7	54
45	Construction of five novel coordination polymers based on maloyl-bis(2-aminobenzothiazole): synthesis, structural, thermal, and non-isothermal kinetics. Journal of the Chinese Advanced Materials Society, 2017, 5, 118-132.	0.7	3
46	Synthesis, structural, morphological, and thermal decomposition kinetics of Iron (II) coordination polymer of sebacoyl bis (isonicotinoylhydrazone). Inorganica Chimica Acta, 2017, 462, 298-307.	2.4	11
47	Silica-coated nickel oxide a core-shell nanostructure: synthesis, characterization and its catalytic property in one-pot synthesis of malononitrile derivative. Journal of the Chinese Advanced Materials Society, 2017, 5, 103-117.	0.7	17
48	Facile synthesis, thermal degradation and effective antimicrobial activities of Cu (II) complexes with bis[3-acetoxy-2-aryl/heteroaryl-4H-chromone]. Journal of the Chinese Advanced Materials Society, 2016, 4, 195-210.	0.7	0
49	Copper nanoparticles catalysed an efficient one-pot multicomponents synthesis of chromenes derivatives and its antibacterial activity. Journal of Experimental Nanoscience, 2016, 11, 884-900.	2.4	42
50	CuO nanoparticles: synthesis, characterization and reusable catalyst for polyhydroquinoline derivatives under ultrasonication. Journal of the Chinese Advanced Materials Society, 2016, 4, 110-122.	0.7	12
51	Alumina Nanoparticles: A New And Reusable Catalyst For Synthesis Of Dihydropyrimidinones Derivatives. Advanced Materials Letters, 2016, 7, 933-938.	0.6	19
52	Histidine-Capped ZnO Nanoparticles: An Efficient Synthesis, Spectral Characterization and Effective Antibacterial Activity. BioNanoScience, 2015, 5, 123-134.	3.5	40
53	Synthesis, spectral and thermal aspect of transition metal coordination polymers with bis-hydrazone ligand. Journal of the Chinese Advanced Materials Society, 2015, 3, 287-299.	0.7	1
54	Synthesis, characterization and thermal degradation of some coordination polymers with terephthalaldehyde bis(S-methylthiocarbamate). Journal of the Chinese Advanced Materials Society, 2015, 3, 17-31.	0.7	3

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55	Oxovanadium (IV) complexes with O donor ligands: efficient synthesis, spectral characterization, antimicrobial activity and thermal degradation. Journal of the Chinese Advanced Materials Society, 2015, 3, 89-101.	0.7	3
56	An efficient and one-pot synthesis of 2,4,5-trisubstituted imidazole compounds catalyzed by copper nanoparticles. Journal of the Chinese Advanced Materials Society, 2015, 3, 270-279.	0.7	16
57	Synthesis and characterization of metal coordination polymers with fumaroylbis(paramethoxyphenylcarbamide) by using FTIR, XRD, SEM and TG techniques. Journal of the Chinese Advanced Materials Society, 2015, 3, 177-187.	0.7	2
58	Synthesis, characterisation and thermal degradation behaviour of some coordination polymers by using TG-DTG and DTA techniques. Journal of Saudi Chemical Society, 2015, 19, 442-453.	5.2	53
59	Synthesis Of Nickel Nanoparticles: Microscopic Investigation, An Efficient Catalyst And Effective Antibacterial Activity. Advanced Materials Letters, 2015, 6, 990-998.	0.6	68
60	Synthesis, characterization and thermal properties of phthaloylbis(paramethoxyphenylcarbamide) chelate polymers of divalent transition metals. Journal of the Chinese Advanced Materials Society, 2014, 2, 244-258.	0.7	11
61	Thermal degradation behaviour of some metal chelate polymer compounds with bis(bidentate) ligand by TG/DTG/DTA. Journal of Thermal Analysis and Calorimetry, 2013, 112, 637-647.	3.6	47
62	Chelate polymer compounds with bis(bidentate) ligand: synthesis, spectral, morphological and thermal degradation studies. Journal of the Chinese Advanced Materials Society, 2013, 1, 121-133.	0.7	22
63	Evaluation of kinetic parameters from TG/DTG data of chelate polymer compounds of isophthaoylbis(paramethoxyphenylcarbamide). Journal of the Chinese Advanced Materials Society, 2013, 1, 305-316.	0.7	24
64	Oxovanadium (IV) complexes of 2-aryl/heteroaryl-3-hydroxy-4H-chromones: synthesis, spectral and thermal degradation studies. Journal of the Chinese Advanced Materials Society, 2013, 1, 257-267.	0.7	5