

Mohan Kumar Kesarla

List of Publications by Year in descending order

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27
papers

1,185
citations

567281

15
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526287

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docs citations

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times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Biobased green method to synthesise palladium and iron nanoparticles using Terminalia chebula aqueous extract. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 102, 128-133.	3.9	281
2	Terminalia chebula mediated green and rapid synthesis of gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 490-494.	3.9	145
3	Green synthesis of silver nanoparticles using Terminalia chebula extract at room temperature and their antimicrobial studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 228-233.	3.9	92
4	Green synthesis of nano platinum using naturally occurring polyphenols. RSC Advances, 2013, 3, 4033.	3.6	77
5	Synthesis and characterisation of flower shaped Zinc Oxide nanostructures and its antimicrobial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 171-174.	3.9	77
6	Synthesis of g-C ₃ N ₄ /N-doped CeO ₂ composite for photocatalytic degradation of an herbicide. Journal of Materials Research and Technology, 2019, 8, 1628-1635.	5.8	77
7	Antimicrobial and antioxidant activities of Mimosa elengi seed extract mediated isotropic silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 13-18.	3.9	74
8	Nitrogen doped carbon dots derived from Sargassum fluitans as fluorophore for DNA detection. Journal of Photochemistry and Photobiology B: Biology, 2017, 172, 36-41.	3.8	66
9	Synthesis of silver nanoparticles by endosymbiont Pseudomonas fluorescens CA 417 and their bactericidal activity. Enzyme and Microbial Technology, 2016, 95, 128-136.	3.2	60
10	Green synthesis of size controllable gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 539-545.	3.9	54
11	Magnetic memory effect in chelated zero valent iron nanoparticles. Journal of Magnetism and Magnetic Materials, 2012, 324, 3839-3841.	2.3	24
12	ZnS nanoparticles capped with watermelon rind extract and their potential application in dye degradation. Research on Chemical Intermediates, 2017, 43, 1329-1339.	2.7	20
13	Structural, optical and photoresponse characteristics of metal-insulator-semiconductor (MIS) type Au/Ni/CeO ₂ /GaN Schottky barrier ultraviolet photodetector. Materials Science in Semiconductor Processing, 2020, 117, 105190.	4.0	20
14	Gold nanoparticles by Terminalia bellirica aqueous extract – a rapid green method. Journal of Experimental Nanoscience, 2014, 9, 825-830.	2.4	19
15	Green synthesis of S-doped rod shaped anatase TiO ₂ microstructures. Materials Letters, 2016, 183, 211-214.	2.6	15
16	High performance, self-powered and thermally stable 200–750 nm spectral responsive gallium nitride (GaN) based broadband photodetectors. Solar Energy Materials and Solar Cells, 2021, 225, 111033.	6.2	15
17	Transformation of g-C ₃ N ₄ into onion like carbon on nickel nanoparticles for ultrafast hydrogenation. Materials Chemistry and Physics, 2020, 240, 122157.	4.0	13
18	Highly exfoliated g-C ₃ N ₄ as turn OFF-ON (Ag ⁺ /CN ²⁻) optical sensor and the intermediate (g-C ₃ N ₄ @Ag) for catalytic hydrogenation. Journal of Environmental Chemical Engineering, 2020, 8, 104579.	6.7	10

#	ARTICLE	IF	CITATIONS
19	CeO ₂ quantum dots decorated nitrogen-doped hollow porous carbon for supercapacitors. Journal of Colloid and Interface Science, 2022, 622, 147-155.	9.4	9
20	Flower-shaped ZnO nanoparticles as an efficient, heterogeneous and reusable catalyst in the synthesis of N-arylhomophthalimides and benzannelated isoquinolinones. Research on Chemical Intermediates, 2012, 38, 1881-1892.	2.7	8
21	Endo-symbiont mediated synthesis of gold nanobactericides and their activity against human pathogenic bacteria. Environmental Toxicology and Pharmacology, 2017, 52, 143-149.	4.0	7
22	N-Doped Carbon Dots Derived from Melamine and Triethanolamine for Selective Sensing of Fe ³⁺ Ions. Journal of Nanomaterials, 2021, 2021, 1-11.	2.7	7
23	Zerovalent nickel nanoparticles performance towards Cr(VI) adsorption in polluted water. Nanotechnology, 2020, 31, 195708.	2.6	5
24	(E)-1,1,4,4-Tetraphenylbut-2-yne-1,4-diol. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o679-o679.	0.2	3
25	g-C ₃ N ₄ /Carbon spheres composite for efficient photoreduction and simultaneous removal of chromium. Materials Letters, 2022, 310, 131486.	2.6	3
26	Green synthesis of hausmannite nanocrystals and their photocatalytic dye degradation and antimicrobial studies. Journal of Sol-Gel Science and Technology, 2016, 80, 396-401.	2.4	2
27	Flame Sprayed LaNi ₅ -Based Mischmetal Alloy: Building-up Negative Electrodes for Potential Application in Ni-Based Batteries. Journal of Thermal Spray Technology, 2021, 30, 1940-1956.	3.1	2