

# Mohan Kumar Kesarla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2928436/publications.pdf>

Version: 2024-02-01

27  
papers

1,185  
citations

567281

15  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1856  
citing authors

#	ARTICLE	IF	CITATIONS
1	g-C <sub>3</sub> N <sub>4</sub> /Carbon spheres composite for efficient photoreduction and simultaneous removal of chromium. <i>Materials Letters</i> , 2022, 310, 131486.	2.6	3
2	CeO <sub>2</sub> quantum dots decorated nitrogen-doped hollow porous carbon for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 147-155.	9.4	9
3	High performance, self-powered and thermally stable 200–750 nm spectral responsive gallium nitride (GaN) based broadband photodetectors. <i>Solar Energy Materials and Solar Cells</i> , 2021, 225, 111033.	6.2	15
4	Flame Sprayed LaNi <sub>5</sub> -Based Mischmetal Alloy: Building-up Negative Electrodes for Potential Application in Ni-Based Batteries. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1940-1956.	3.1	2
5	N-Doped Carbon Dots Derived from Melamine and Triethanolamine for Selective Sensing of Fe <sup>3+</sup> Ions. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-11.	2.7	7
6	Transformation of g-C <sub>3</sub> N <sub>4</sub> into onion like carbon on nickel nanoparticles for ultrafast hydrogenation. <i>Materials Chemistry and Physics</i> , 2020, 240, 122157.	4.0	13
7	Highly exfoliated g-C <sub>3</sub> N <sub>4</sub> as turn OFF-ON (Ag <sup>+</sup> /CN <sup>-</sup> ) optical sensor and the intermediate (g-C <sub>3</sub> N <sub>4</sub> @Ag) for catalytic hydrogenation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104579.	6.7	10
8	Structural, optical and photoresponse characteristics of metal-insulator-semiconductor (MIS) type Au/Ni/CeO <sub>2</sub> /GaN Schottky barrier ultraviolet photodetector. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105190.	4.0	20
9	Zerovalent nickel nanoparticles performance towards Cr(VI) adsorption in polluted water. <i>Nanotechnology</i> , 2020, 31, 195708.	2.6	5
10	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /N-doped CeO <sub>2</sub> composite for photocatalytic degradation of an herbicide. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1628-1635.	5.8	77
11	Nitrogen doped carbon dots derived from Sargassum fluitans as fluorophore for DNA detection. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 172, 36-41.	3.8	66
12	Endo-symbiont mediated synthesis of gold nanobactericides and their activity against human pathogenic bacteria. <i>Environmental Toxicology and Pharmacology</i> , 2017, 52, 143-149.	4.0	7
13	ZnS nanoparticles capped with watermelon rind extract and their potential application in dye degradation. <i>Research on Chemical Intermediates</i> , 2017, 43, 1329-1339.	2.7	20
14	Green synthesis of hausmannite nanocrystals and their photocatalytic dye degradation and antimicrobial studies. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 396-401.	2.4	2
15	Synthesis of silver nanoparticles by endosymbiont <i>Pseudomonas fluorescens</i> CA 417 and their bactericidal activity. <i>Enzyme and Microbial Technology</i> , 2016, 95, 128-136.	3.2	60
16	Green synthesis of S-doped rod shaped anatase TiO <sub>2</sub> microstructures. <i>Materials Letters</i> , 2016, 183, 211-214.	2.6	15
17	Gold nanoparticles by <i>Terminalia bellirica</i> aqueous extract – a rapid green method. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 825-830.	2.4	19
18	Antimicrobial and antioxidant activities of <i>Mimusops elengi</i> seed extract mediated isotropic silver nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 13-18.	3.9	74

#	ARTICLE	IF	CITATIONS
19	Green synthesis of size controllable gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 539-545.	3.9	54
20	Green synthesis of nano platinum using naturally occurring polyphenols. <i>RSC Advances</i> , 2013, 3, 4033.	3.6	77
21	Biobased green method to synthesise palladium and iron nanoparticles using <i>Terminalia chebula</i> aqueous extract. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 128-133.	3.9	281
22	Synthesis and characterisation of flower shaped Zinc Oxide nanostructures and its antimicrobial activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 171-174.	3.9	77
23	Flower-shaped ZnO nanoparticles as an efficient, heterogeneous and reusable catalyst in the synthesis of N-arylhomophthalimides and benzannelated isoquinolinones. <i>Research on Chemical Intermediates</i> , 2012, 38, 1881-1892.	2.7	8
24	Magnetic memory effect in chelated zero valent iron nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3839-3841.	2.3	24
25	<i>Terminalia chebula</i> mediated green and rapid synthesis of gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 490-494.	3.9	145
26	Green synthesis of silver nanoparticles using <i>Terminalia chebula</i> extract at room temperature and their antimicrobial studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 228-233.	3.9	92
27	( <i>E</i> )-1,1,4,4-Tetraphenylbut-2-yne-1,4-diol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o679-o679.	0.2	3