Mr Bindhu

List of Publications by Year
in descending order

27 papers	1,833 citations	393982 19 h-index	525886 27 g-index
27 all docs	27 docs citations	27 times ranked	2341 citing authors

#	Article	IF	Citations
1	Antibacterial and catalytic activities of green synthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 373-378.	2.0	274
2	Synthesis of monodispersed silver nanoparticles using Hibiscus cannabinus leaf extract and its antimicrobial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 184-190.	2.0	231
3	Structural, morphological and optical properties of MgO nanoparticles for antibacterial applications. Materials Letters, 2016, 166, 19-22.	1.3	197
4	Antibacterial activities of green synthesized gold nanoparticles. Materials Letters, 2014, 120, 122-125.	1.3	159
5	Silver and gold nanoparticles for sensor and antibacterial applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 37-45.	2.0	152
6	Green synthesis and characterization of silver nanoparticles from Moringa oleifera flower and assessment of antimicrobial and sensing properties. Journal of Photochemistry and Photobiology B: Biology, 2020, 205, 111836.	1.7	146
7	Antimicrobial and catalytic activities of biosynthesized gold, silver and palladium nanoparticles from Solanum nigurum leaves. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111713.	1.7	92
8	A Novel Synthesis of Malic Acid Capped Silver Nanoparticles using SolanumÂlycopersicums Fruit Extract. Journal of Materials Science and Technology, 2013, 29, 317-322.	5.6	79
9	Antibacterial and electrochemical activities of silver, gold, and palladium nanoparticles dispersed amorphous carbon composites. Applied Surface Science, 2019, 479, 96-104.	3.1	63
10	Surface plasmon resonance optical sensor and antibacterial activities of biosynthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 596-604.	2.0	58
11	Antibacterial activities of Hibiscus cannabinus stem-assisted silver and gold nanoparticles. Materials Letters, 2014, 131, 194-197.	1.3	38
12	Photocatalytic degradation of organic synthetic dyes and textile dyeing waste water by Al and F co-doped TiO2 nanoparticles. Environmental Research, 2022, 206, 112492.	3.7	36
13	Synthesis and characterization of zinc oxide nanostructures and its assessment on enhanced bacterial inhibition and photocatalytic degradation. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111965.	1.7	34
14	UV light assisted photocatalytic degradation of textile waste water by Mg0.8-xZnxFe2O4 synthesized by combustion method and in-vitro antimicrobial activities. Environmental Research, 2022, 204, 111917.	3.7	34
15	Synthesis, characterization and SERS activity of biosynthesized silver nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 409-415.	2.0	33
16	Green synthesized gold nanoparticle dispersed porous carbon composites for electrochemical energy storage. Materials Science for Energy Technologies, 2019, 2, 389-395.	1.0	30
17	Improved photocatalytic activity for degradation of textile dyeing waste water and thiazine dyes using PbWO4 nanoparticles synthesized by co-precipitation method. Environmental Research, 2021, 200, 111721.	3.7	29
18	Functionalization of gold nanoparticles by Î²-cyclodextrin as a probe for the detection of heavy metals in water and photocatalytic degradation of textile dye. Environmental Research, 2021, 201, 111628.	3.7	28

#	Article	IF	Citations
19	Visible light assisted photocatalytic degradation of commercial dyes and waste water by Snâ€“F co-doped titanium dioxide nanoparticles with potential antimicrobial application. Chemosphere, 2021, 277, 130247.	4.2	26
20	Efficient photocatalytic degradation of industrial contaminants by Piper longum mediated ZnO nanoparticles. Environmental Research, 2022, 208, 112686.	3.7	17
21	Evaluating the detection efficacy of advanced bimetallic plasmonic nanoparticles for heavy metals, hazardous materials and pesticides of leachate in contaminated groundwater. Environmental Research, 2021, 201, 111590.	3.7	14
22	Environmental photochemistry by cobalt doped magnesium ferrites: UV light assisted degradation of anionic azo and cationic thiazine dyes. Chemosphere, 2022, 299, 134396.	4.2	14
23	Environmental photochemistry with Sn/F simultaneously doped TiO2 nanoparticles: UV and visible light induced degradation of thiazine dye. Environmental Research, 2022, 207, 112108.	3.7	13
24	Microwave assisted hydrothermally synthesized cobalt doped zinc ferrites nanoparticles for the degradation of organic dyes and antimicrobial applications. Environmental Research, 2022, 208, 112687.	3.7	13
25	Environmental photochemistry in Solanum trilobatum mediated plasmonic nanoparticles as a probe for the detection of Cd2+ ions in water. Environmental Research, 2021, 202, 111918.	3.7	11
26	Detection of heavy metals, SERS and antibacterial activity of polyvinylpyrolidone modified plasmonic nanoparticles. Environmental Research, 2022, 210, 112883.	3.7	6
27	Size dependent antimicrobial activity of Boerhaavia diffusa leaf mediated silver nanoparticles. Journal of King Saud University - Science, 2022, 34, 102096.	1.6	6