

# Harshiny Muthukumar

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,016  
citations

623734

14  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of caffeine and E. coli inactivation using silver oxide nanoparticles obtained by a facile green co-reduction method. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 1087-1098.	4.1	11
2	Nanomaterials as adsorbents for As(III) and As(V) removal from water: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127572.	12.4	32
3	Immobilization of xylose reductase enzyme on cysteine-functionalized <i>Murraya koenigii</i> mediated magnetite nanoparticles. <i>Materials Letters</i> , 2020, 261, 127125.	2.6	5
4	Plant extract mediated synthesis enhanced the functional properties of silver ferrite nanoparticles over chemical mediated synthesis. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 26, e00469.	4.4	33
5	Caffeine degradation in synthetic coffee wastewater using silverferrite nanoparticles fabricated via green route using <i>Amaranthus blitum</i> leaf aqueous extract. <i>Journal of Water Process Engineering</i> , 2020, 36, 101382.	5.6	15
6	Effect of iron doped Zinc oxide nanoparticles coating in the anode on current generation in microbial electrochemical cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2407-2416.	7.1	53
7	Synthesis of Silver Nanoparticles and their Biomedical Applications - A Comprehensive Review. <i>Current Pharmaceutical Design</i> , 2019, 25, 2650-2660.	1.9	167
8	Enhancing power generation and treatment of dairy waste water in microbial fuel cell using Cu-doped iron oxide nanoparticles decorated anode. <i>Energy</i> , 2019, 172, 173-180.	8.8	96
9	Electrospinning of Fe-doped ZnO nanoparticles incorporated polyvinyl alcohol nanofibers for its antibacterial treatment and cytotoxic studies. <i>European Polymer Journal</i> , 2019, 118, 27-35.	5.4	61
10	Photocatalytic degradation of naphthalene using calcined Fe ZnO/ÂPVA nanofibers. <i>Chemosphere</i> , 2018, 205, 610-617.	8.2	41
11	An enhancement of antimicrobial efficacy of biogenic and ceftriaxone-conjugated silver nanoparticles: green approach. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10362-10370.	5.3	170
12	Synthesis, characterization, cytotoxicity and antimicrobial activity of copper complexes of N-imine pendant derivatives of 2-(methylthio)aniline. <i>Inorganica Chimica Acta</i> , 2018, 481, 69-78.	2.4	5
13	Strategy for Multifunctional Hollow Shelled Triple Oxide Mnâ€“Cuâ€“Al Nanocomposite Synthesis via Microwave-Assisted Technique. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1009-1021.	6.7	9
14	High-performance asymmetric supercapacitor from nanostructured tin nickel sulfide (SnNi2S4) synthesized via microwave-assisted technique. <i>Journal of Molecular Liquids</i> , 2018, 266, 649-657.	4.9	27
15	Hollow nickel-aluminium-manganese layered triple hydroxide nanospheres with tunable architecture for supercapacitor application. <i>Materials Chemistry and Physics</i> , 2017, 195, 247-258.	4.0	20
16	Biogenic synthesis of nano-biomaterial for toxic naphthalene photocatalytic degradation optimization and kinetics studies. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 587-594.	3.9	24
17	Iron oxide nano-material: physicochemical traits and in vitro antibacterial propensity against multidrug resistant bacteria. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 121-130.	5.8	43
18	Facile Biosynthesis of ZnO and Iron Doped ZnO Nano-Catalyst: Physicochemical Traits and Multifunctional Applications. <i>Journal of Bionanoscience</i> , 2017, 11, 114-122.	0.4	10

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19	<i>Amaranthus spinosus</i> Leaf Extract Mediated FeO Nanoparticles: Physicochemical Traits, Photocatalytic and Antioxidant Activity. ACS Sustainable Chemistry and Engineering, 2015, 3, 3149-3156.	6.7	141
20	Conventional and Nanotechniques for DNA Methylation Profiling. Journal of Molecular Diagnostics, 2013, 15, 17-26.	2.8	53