

Vimala Raghavan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

552
citations

840776

11
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794594

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all docs

20
docs citations

20
times ranked

779
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Camptothecin loaded graphene oxide nanoparticle functionalized with polyethylene glycol and folic acid for anticancer drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 333-342. | 3.0 | 94 |
| 2 | Evaluation of tetraethoxysilane (TEOS) sol-gel coatings, modified with green synthesized zinc oxide nanoparticles for combating microfouling. <i>Materials Science and Engineering C</i> , 2016, 61, 728-735. | 7.3 | 80 |
| 3 | Highly Porous MIL-100(Fe) for the Hydrogen Evolution Reaction (HER) in Acidic and Basic Media. <i>ACS Omega</i> , 2020, 5, 18941-18949. | 3.5 | 62 |
| 4 | Natural polymer functionalized graphene oxide for co-delivery of anticancer drugs: In-vitro and in-vivo. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 515-525. | 7.5 | 60 |
| 5 | Packed bed column studies on Cd(II) removal from industrial wastewater by macrofungus <i>Pleurotus platypus</i> . <i>Desalination</i> , 2011, 275, 291-296. | 8.2 | 51 |
| 6 | Cuprous oxide (Cu ₂ O)/graphitic carbon nitride (g-C ₃ N ₄) nanocomposites for electrocatalytic hydrogen evolution reaction. <i>Diamond and Related Materials</i> , 2020, 107, 107899. | 3.9 | 49 |
| 7 | Biosynthesis of Silver Nanoparticles Using <i>Aegle marmelos</i> (Bael) Fruit Extract and Its Application to Prevent Adhesion of Bacteria: A Strategy to Control Microfouling. <i>Bioinorganic Chemistry and Applications</i> , 2014, 2014, 1-8. | 4.1 | 34 |
| 8 | Biosorption of Zn(II) onto <i>Pleurotus platypus</i> : 5-Level Box-Behnken design, equilibrium, kinetic and regeneration studies. <i>Ecological Engineering</i> , 2014, 64, 136-141. | 3.6 | 28 |
| 9 | Removal of Ag(I) and Zn(II) ions from single and binary solution using sulfonated form of gum arabic-powdered mushroom composite hollow semispheres: Equilibrium, kinetic, thermodynamic and ex-situ studies. <i>Ecological Engineering</i> , 2015, 75, 116-122. | 3.6 | 15 |
| 10 | Investigating the microbial-influenced corrosion of UNS S32750 stainless-steel base alloy and weld seams by biofilm-forming marine bacterium <i>Macrocooccus equiperdus</i> . <i>Bioelectrochemistry</i> , 2020, 135, 107546. | 4.6 | 15 |
| 11 | Synthesis and characterisation of starch/agar nanocomposite films for food packaging application. <i>IET Nanobiotechnology</i> , 2020, 14, 809-814. | 3.8 | 14 |
| 12 | Honokiol-camptothecin loaded graphene oxide nanoparticle towards combinatorial anti-cancer drug delivery. <i>IET Nanobiotechnology</i> , 2020, 14, 796-802. | 3.8 | 10 |
| 13 | Isolation and characterization of marine biofilm forming bacteria from a ship's hull. <i>Frontiers in Biology</i> , 2018, 13, 208-214. | 0.7 | 9 |
| 14 | Role of nano titania on the thermomechanical properties of silicon carbide refractories. <i>Ceramics International</i> , 2020, 46, 25921-25926. | 4.8 | 8 |
| 15 | Process optimisation for green synthesis of ZnO nanoparticles and evaluation of its antimicrofouling activity. <i>IET Nanobiotechnology</i> , 2019, 13, 510-514. | 3.8 | 7 |
| 16 | Extraction, purification and structural elucidation of environmentally benign antifouling metabolite from <i>Streptomyces thermolineatus</i> VITKV6A. <i>Environmental Technology and Innovation</i> , 2022, 25, 102096. | 6.1 | 5 |
| 17 | Screening of marine Actinomycetes for inhibitory activity against biofilm forming bacteria. <i>Journal of Environmental Biology</i> , 2020, 41, 995-1002. | 0.5 | 4 |
| 18 | Graphene Mediated Drug Delivery-A Boon to Cancer Therapy. <i>Research Journal of Pharmacy and Technology</i> , 2017, 10, 1571. | 0.8 | 4 |

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|----|---|-----|-----------|
| 19 | Palmyra palm flower biomass-derived activated porous carbon and its application as a supercapacitor electrode. Journal of Electrochemical Science and Engineering, 0, , . | 3.5 | 2 |
| 20 | Routes of Synthesis and Characterizations of Nanoparticles. Advances in Chemical and Materials Engineering Book Series, 2021, , 288-309. | 0.3 | 1 |