

Sushmita Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,272
citations

304368

22
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288905

40
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44
all docs

44
docs citations

44
times ranked

2779
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Adsorption characteristics for the removal of a toxic dye, tartrazine from aqueous solutions by a low cost agricultural by-product. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1629-S1638. | 2.3 | 518 |
| 2 | Synthesis of bimetallic Fe-Zn nanoparticles and its application towards adsorptive removal of carcinogenic dye malachite green and Congo red in water. <i>Journal of Molecular Liquids</i> , 2015, 212, 227-236. | 2.3 | 135 |
| 3 | Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5339-5354. | 2.3 | 131 |
| 4 | Removal of tartrazine by activated carbon biosorbents of <i>Lantana camara</i> : Kinetics, equilibrium modeling and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 79-88. | 3.3 | 130 |
| 5 | Adsorption characteristics of modified sand for the removal of hexavalent chromium ions from aqueous solutions: Kinetic, thermodynamic and equilibrium studies. <i>Catena</i> , 2013, 100, 120-127. | 2.2 | 121 |
| 6 | Removal of Malachite Green, a hazardous dye from aqueous solutions using <i>Avena sativa</i> (oat) hull as a potential adsorbent. <i>Journal of Molecular Liquids</i> , 2016, 213, 162-172. | 2.3 | 118 |
| 7 | Equilibrium and kinetic studies for removal of malachite green from aqueous solution by a low cost activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1099-1105. | 2.9 | 106 |
| 8 | Removal of Ni(II) by magnetic nanoparticles. <i>Journal of Molecular Liquids</i> , 2015, 204, 60-69. | 2.3 | 101 |
| 9 | Application of common nano-materials for removal of selected metallic species from water and wastewaters: A critical review. <i>Journal of Molecular Liquids</i> , 2017, 240, 656-677. | 2.3 | 96 |
| 10 | Synthesis and characterization of a novel SnFe ₂ O ₄ @activated carbon magnetic nanocomposite and its effectiveness in the removal of crystal violet from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2281-2291. | 3.3 | 93 |
| 11 | Kinetic and equilibrium modeling for the adsorptive removal of methylene blue from aqueous solutions on activated fly ash (AFSH). <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1870-1880. | 3.3 | 68 |
| 12 | Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. <i>RSC Advances</i> , 2015, 5, 14425-14440. | 1.7 | 66 |
| 13 | Synthesis, characterization and application of goethite mineral as an adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 281-289. | 3.3 | 65 |
| 14 | Studies on the removal of nickel from aqueous solutions using modified riverbed sand. <i>Environmental Science and Pollution Research</i> , 2013, 20, 558-567. | 2.7 | 51 |
| 15 | Kinetic and equilibrium modeling for removal of nitrate from aqueous solutions and drinking water by a potential adsorbent, hydrous bismuth oxide. <i>RSC Advances</i> , 2015, 5, 35365-35376. | 1.7 | 51 |
| 16 | Preparation of activated carbon from Alligator weed (<i>Alternanthera philoxeroides</i>) and its application for tartrazine removal: Isotherm, kinetics and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2560-2568. | 3.3 | 46 |
| 17 | Adsorption studies of methylene blue onto activated saw dust: kinetics, equilibrium, and thermodynamic studies. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 790-799. | 1.3 | 42 |
| 18 | Synthesis of <i>M. oleifera</i> leaf extract capped magnetic nanoparticles for effective lead [Pb (II)] removal from solution: Kinetics, isotherm and reusability study. <i>Journal of Molecular Liquids</i> , 2020, 305, 112811. | 2.3 | 36 |

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|----|--|-----|-----------|
| 19 | Synthesis of copper coordinated dithiooxamide metal organic framework and its performance assessment in the adsorptive removal of tartrazine from water. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 328-340. | 3.3 | 33 |
| 20 | Synthesis of novel nano-layered double hydroxide by urea hydrolysis method and their application in removal of chromium(VI) from aqueous solution: Kinetic, thermodynamic and equilibrium studies. <i>Journal of Molecular Liquids</i> , 2015, 202, 52-61. | 2.3 | 30 |
| 21 | Study of 'co-solvent effect' on production of biodiesel from <i>Schleichera Oleosa</i> oil using a mixed metal oxide as a potential catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 86, 42-56. | 2.7 | 26 |
| 22 | Process dynamic investigations and emission analyses of biodiesel produced using Sr ²⁺ /Ce mixed metal oxide heterogeneous catalyst. <i>Journal of Environmental Management</i> , 2019, 248, 109218. | 3.8 | 25 |
| 23 | Application of natural clay as a potential adsorbent for the removal of a toxic dye from aqueous solutions. <i>Desalination and Water Treatment</i> , 2014, 52, 6703-6711. | 1.0 | 20 |
| 24 | Synthesis and application of Zn/Ce bimetallic oxides for the decontamination of arsenite (As-III) ions from aqueous solutions. <i>Journal of Environmental Management</i> , 2019, 233, 151-164. | 3.8 | 18 |
| 25 | Recent developments and application of bimetallic based materials in water purification. <i>Environmental Challenges</i> , 2021, 5, 100405. | 2.0 | 17 |
| 26 | Adsorption Characteristics of Modified Wheat Husk for the Removal of a Toxic Dye, Methylene Blue, from Aqueous Solutions. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2014, 18, 56-63. | 1.2 | 16 |
| 27 | Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. <i>Desalination and Water Treatment</i> , 2016, 57, 12302-12315. | 1.0 | 16 |
| 28 | Biogenic fabrication of iron nanoadsorbents from mixed waste biomass for aqueous phase removal of alizarin red S and tartrazine: Kinetics, isotherm, and thermodynamic investigation. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13326. | 1.3 | 16 |
| 29 | Removal of an azo dye (Orange G) from aqueous solution using modified sawdust. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2015, 5, 235-243. | 0.7 | 15 |
| 30 | Effect of annealing conditions on the structure, phase and granulometry composition, and reflectance spectra and their changes on irradiation for calcium silicate powders. <i>Materials Chemistry and Physics</i> , 2017, 197, 266-271. | 2.0 | 12 |
| 31 | Enhanced removal of methylene blue dye from its aqueous solutions using humic acid-functionalized alumina nanoparticles. <i>Research on Chemical Intermediates</i> , 2018, 44, 4119-4148. | 1.3 | 9 |
| 32 | Gum ghatti-alginate hybrid bead derived titania spheres for deep removal of toxic dye Remazol Brilliant Violet from aqueous solutions. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100459. | 1.7 | 7 |
| 33 | Adsorptive and photocatalytic performance of perovskite material for the removal of food dye in an aqueous solution. <i>Environmental Challenges</i> , 2021, 5, 100240. | 2.0 | 6 |
| 34 | Adsorptive removal of toxic dyes from aqueous phase using notorious weed <i>Lantana camara</i> (Linn.) as biosorbent. <i>Research on Chemical Intermediates</i> , 2016, 42, 5677-5708. | 1.3 | 5 |
| 35 | Performance assessment of Zn ²⁺ /Sn bimetal oxides for the removal of inorganic arsenic in groundwater. <i>Groundwater for Sustainable Development</i> , 2021, 14, 100600. | 2.3 | 5 |
| 36 | Sonochemical synthesis of silica supported iron nanoparticles for enhanced removal of Cr(VI) species from aqueous medium. <i>Nanotechnology for Environmental Engineering</i> , 2022, 7, 11-22. | 2.0 | 5 |

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|----|--|-----|-----------|
| 37 | Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed Mikania micrantha. The National Academy of Sciences, India, 2017, 40, 113-116. | 0.8 | 4 |
| 38 | FAST AND ECONOMICALLY VIABLE REMOVAL OF A CATIONIC DYE FROM AQUEOUS SOLUTIONS: KINETIC AND EQUILIBRIUM MODELLING. Environmental Engineering and Management Journal, 2013, 12, 2183-2190. | 0.2 | 3 |
| 39 | Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. Advances in Civil and Industrial Engineering Book Series, 2016, , 208-252. | 0.2 | 3 |
| 40 | Synthesis of microporous takovite and its environmental application:. Journal of Molecular Liquids, 2015, 209, 759-766. | 2.3 | 2 |
| 41 | Alumina Nanoparticles and Alumina-Based Adsorbents for Wastewater Treatment. , 2016, , 239-272. | | 2 |
| 42 | Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. , 2017, , 1745-1779. | | 1 |
| 43 | Sustainable approaches for synthesis of biogenic magnetic nanoparticles and their water remediation applications. , 2022, , 157-178. | | 1 |