

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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all docs

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docs citations

44
times ranked

2779
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Sustainable approaches for synthesis of biogenic magnetic nanoparticles and their water remediation applications. , 2022, , 157-178.		1
3	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
4	Performance assessment of Zn-Sn bimetal oxides for the removal of inorganic arsenic in groundwater. <i>Groundwater for Sustainable Development</i> , 2021, 14, 100600.	2.3	5
5	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
6	Recent developments and application of bimetallic based materials in water purification. <i>Environmental Challenges</i> , 2021, 5, 100405.	2.0	17
7	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
8	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
9	Process dynamic investigations and emission analyses of biodiesel produced using Sr-Ce mixed metal oxide heterogeneous catalyst. <i>Journal of Environmental Management</i> , 2019, 248, 109218.	3.8	25
10	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
11	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
12	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
13	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
14	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed <i>Mikania micrantha</i> . <i>The National Academy of Sciences, India</i> , 2017, 40, 113-116.	0.8	4
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. , 2017, , 1745-1779.		1
20	Alumina Nanoparticles and Alumina-Based Adsorbents for Wastewater Treatment. , 2016, , 239-272.		2
21	Removal of Malachite Green, a hazardous dye from aqueous solutions using Avena sativa (oat) hull as a potential adsorbent. Journal of Molecular Liquids, 2016, 213, 162-172.	2.3	118
22	Adsorptive removal of toxic dyes from aqueous phase using notorious weed Lantana camara (Linn.) as biosorbent. Research on Chemical Intermediates, 2016, 42, 5677-5708.	1.3	5
23	Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. Desalination and Water Treatment, 2016, 57, 12302-12315.	1.0	16
24	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
25	Removal of an azo dye (Orange G) from aqueous solution using modified sawdust. Journal of Water Sanitation and Hygiene for Development, 2015, 5, 235-243.	0.7	15
26	Synthesis of microporous takovite and its environmental application:. Journal of Molecular Liquids, 2015, 209, 759-766.	2.3	2
27	Removal of tartrazine by activated carbon biosorbents of Lantana camara: Kinetics, equilibrium modeling and spectroscopic analysis. Journal of Environmental Chemical Engineering, 2015, 3, 79-88.	3.3	130
28	Removal of Ni(II) by magnetic nanoparticles. Journal of Molecular Liquids, 2015, 204, 60-69.	2.3	101
29	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. RSC Advances, 2015, 5, 14425-14440.	1.7	66
30	Kinetic and equilibrium modeling for removal of nitrate from aqueous solutions and drinking water by a potential adsorbent, hydrous bismuth oxide. RSC Advances, 2015, 5, 35365-35376.	1.7	51
31	Synthesis of bimetallic Fe-Zn nanoparticles and its application towards adsorptive removal of carcinogenic dye malachite green and Congo red in water. Journal of Molecular Liquids, 2015, 212, 227-236.	2.3	135
32	Preparation of activated carbon from Alligator weed (Alternanthera philoxeroids) and its application for tartrazine removal: Isotherm, kinetics and spectroscopic analysis. Journal of Environmental Chemical Engineering, 2015, 3, 2560-2568.	3.3	46
33	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. Journal of Environmental Chemical Engineering, 2015, 3, 2281-2291.	3.3	93
34	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. Journal of Molecular Liquids, 2015, 202, 52-61.	2.3	30
35	Kinetic and equilibrium modeling for the adsorptive removal of methylene blue from aqueous solutions on activated fly ash (AFSH). Journal of Environmental Chemical Engineering, 2014, 2, 1870-1880.	3.3	68
36	Adsorption studies of methylene blue onto activated saw dust: kinetics, equilibrium, and thermodynamic studies. Environmental Progress and Sustainable Energy, 2014, 33, 790-799.	1.3	42

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37	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
38	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
39	Synthesis, characterization and application of goethite mineral as an adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 281-289.	3.3	65
40	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
41	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
42	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
43	FAST AND ECONOMICALLY VIABLE REMOVAL OF A CATIONIC DYE FROM AQUEOUS SOLUTIONS: KINETIC AND EQUILIBRIUM MODELLING. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 2183-2190.	0.2	3