

Raj Mukhopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

952
citations

686830

13
h-index

996533

15
g-index

19
all docs

19
docs citations

19
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil salinity under climate change: Challenges for sustainable agriculture and food security. <i>Journal of Environmental Management</i> , 2021, 280, 111736.	3.8	219
2	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121125.	6.5	132
3	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <i>Environmental Research</i> , 2022, 207, 112179.	3.7	75
4	Distribution, behaviour, bioavailability and remediation of poly- and per-fluoroalkyl substances (PFAS) in solid biowastes and biowaste-treated soil. <i>Environment International</i> , 2021, 155, 106600.	4.8	74
5	Inorganically modified clay minerals: Preparation, characterization, and arsenic adsorption in contaminated water and soil. <i>Applied Clay Science</i> , 2017, 147, 1-10.	2.6	66
6	Natural and engineered clays and clay minerals for the removal of poly- and perfluoroalkyl substances from water: State-of-the-art and future perspectives. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102537.	7.0	51
7	Distribution, transformation and remediation of poly- and per-fluoroalkyl substances (PFAS) in wastewater sources. <i>Chemical Engineering Research and Design</i> , 2022, 164, 91-108.	2.7	48
8	Nanomaterials for sustainable remediation of chemical contaminants in water and soil. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2611-2660.	6.6	45
9	Modified clay minerals for environmental applications. , 2019, , 113-127.		37
10	Clay minerals and zeolites for environmentally sustainable agriculture. , 2019, , 309-329.		35
11	Fe-exchanged nano-bentonite outperforms Fe ₃ O ₄ nanoparticles in removing nitrate and bicarbonate from wastewater. <i>Journal of Hazardous Materials</i> , 2019, 376, 141-152.	6.5	32
12	Novel MOF-808 metal-organic framework as highly efficient adsorbent of perfluorooctane sulfonate in water. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 627-636.	5.0	30
13	Comparison of properties and aquatic arsenic removal potentials of organically modified smectite adsorbents. <i>Journal of Hazardous Materials</i> , 2019, 377, 124-131.	6.5	29
14	Facile one pot preparation of magnetic chitosan-palygorskite nanocomposite for efficient removal of lead from water. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 575-587.	5.0	29
15	The role of soils in the disposition, sequestration and decontamination of environmental contaminants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200177.	1.8	24
16	Unravelling the mechanism of amitriptyline removal from water by natural montmorillonite through batch adsorption, molecular simulation and adsorbent characterization studies. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 379-387.	5.0	15
17	Inland saline aquaculture increased carbon accumulation rate and stability in pond sediments under semi-arid climate. <i>Journal of Soils and Sediments</i> , 0, , 1.	1.5	5
18	Arsenic Adsorption on Modified Clay Minerals in Contaminated Soil and Water: Impact of pH and Competitive Anions. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2000259.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Microparticle-Supported Nanocomposites for Safe Environmental Applications. , 2018, , 305-317.		2