

Bhabananda Biswas

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,464
citations

394286

19
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

1660
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic insights of hexavalent chromium remediation by halloysite-supported copper nanoclusters. <i>Journal of Hazardous Materials</i> , 2022, 421, 126812.	6.5	17
2	Magnetite Nanoparticles Loaded into Halloysite Nanotubes for Arsenic(V) Removal from Water. <i>ACS Applied Nano Materials</i> , 2022, 5, 12063-12076.	2.4	14
3	Smectite-supported chain of iron nanoparticle beads for efficient clean-up of arsenate contaminated water. <i>Journal of Hazardous Materials</i> , 2021, 407, 124396.	6.5	11
4	Organically functionalized bentonite for the removal of perfluorooctane sulfonate, phenanthrene and copper mixtures from wastewater. <i>Applied Clay Science</i> , 2021, 200, 105883.	2.6	16
5	Synthesis of environmentally benign ultra-small copper nanoclusters-halloysite composites and their catalytic performance on contrasting azo dyes. <i>Applied Surface Science</i> , 2021, 546, 149122.	3.1	27
6	Chemical pollution: A growing peril and potential catastrophic risk to humanity. <i>Environment International</i> , 2021, 156, 106616.	4.8	193
7	Highly Stable and Nontoxic Lanthanum-Treated Activated Palygorskite for the Removal of Lake Water Phosphorus. <i>Processes</i> , 2021, 9, 1960.	1.3	1
8	Modified clays alter diversity and respiration profile of microorganisms in long-term hydrocarbon and metal contaminated soil. <i>Microbial Biotechnology</i> , 2020, 13, 522-534.	2.0	11
9	Clays and modified clays in remediating environmental pollutants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38381-38383.	2.7	15
10	Environmental Microbial Health Under Changing Climates: State, Implication and Initiatives for High-Performance Soils. <i>Sustainable Agriculture Reviews</i> , 2019, , 1-32.	0.6	1
11	Spatially Localized Synthesis of Metal Nanoclusters on Clay Nanotubes and Their Catalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18350-18358.	3.2	16
12	Biocompatible functionalisation of nanoclays for improved environmental remediation. <i>Chemical Society Reviews</i> , 2019, 48, 3740-3770.	18.7	104
13	Core-in-cage structure regulated properties of ultra-small gold nanoparticles. <i>Nanoscale Advances</i> , 2019, , .	2.2	5
14	Environmental applications of thermally modified and acid activated clay minerals: Current status of the art. <i>Environmental Technology and Innovation</i> , 2019, 13, 383-397.	3.0	65
15	Microbial diversity changes with rhizosphere and hydrocarbons in contrasting soils. <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 434-442.	2.9	37
16	Effect of surface-tailored biocompatible organoclay on the bioavailability and mineralization of polycyclic aromatic hydrocarbons in long-term contaminated soil. <i>Environmental Technology and Innovation</i> , 2018, 10, 152-161.	3.0	7
17	The Fate of Chemical Pollutants with Soil Properties and Processes in the Climate Change Paradigm—A Review. <i>Soil Systems</i> , 2018, 2, 51.	1.0	82
18	Assessment of chromium hyper-accumulative behaviour using biochemical analytical techniques of greenhouse cultivated <i>Sonchus asper</i> on tannery waste dump site soils. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26992-26999.	2.7	5

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19	Toxicity assessment of fresh and weathered petroleum hydrocarbons in contaminated soil- a review. <i>Chemosphere</i> , 2018, 212, 755-767.	4.2	139
20	Potential application of selected metal resistant phosphate solubilizing bacteria isolated from the gut of earthworm (<i>Metaphire posthuma</i>) in plant growth promotion. <i>Geoderma</i> , 2018, 330, 117-124.	2.3	82
21	Relationship between soil clay mineralogy and carbon protection capacity as influenced by temperature and moisture. <i>Soil Biology and Biochemistry</i> , 2017, 109, 95-106.	4.2	66
22	Mild acid and alkali treated clay minerals enhance bioremediation of polycyclic aromatic hydrocarbons in long-term contaminated soil: A ¹⁴ C-tracer study. <i>Environmental Pollution</i> , 2017, 223, 255-265.	3.7	28
23	Soil Mineralogical Perspective on Immobilization/Mobilization of Heavy Metals. , 2017, , 89-102.		7
24	Modified osmium tracer technique enables precise microscopic delineation of hydrocarbon-degrading bacteria in clay aggregates. <i>Environmental Technology and Innovation</i> , 2017, 7, 12-20.	3.0	5
25	Bacterial mineralization of phenanthrene on thermally activated palygorskite: A ¹⁴ C radiotracer study. <i>Science of the Total Environment</i> , 2017, 579, 709-717.	3.9	10
26	Structural changes in smectite due to interaction with a biosurfactant-producing bacterium <i>Pseudoxanthomonas kaohsiungensis</i> . <i>Applied Clay Science</i> , 2017, 136, 51-57.	2.6	27
27	Influence of thermally modified palygorskite on the viability of polycyclic aromatic hydrocarbon-degrading bacteria. <i>Applied Clay Science</i> , 2016, 134, 153-160.	2.6	22
28	Specific adsorption of cadmium on surface-engineered biocompatible organoclay under metal-phenanthrene mixed-contamination. <i>Water Research</i> , 2016, 104, 119-127.	5.3	20
29	Structural, electrokinetic and surface properties of activated palygorskite for environmental application. <i>Applied Clay Science</i> , 2016, 134, 95-102.	2.6	68
30	Adsorption-desorption behavior of dissolved organic carbon by soil clay fractions of varying mineralogy. <i>Geoderma</i> , 2016, 280, 47-56.	2.3	79
31	Surface tailored organobentonite enhances bacterial proliferation and phenanthrene biodegradation under cadmium co-contamination. <i>Science of the Total Environment</i> , 2016, 550, 611-618.	3.9	29
32	Monitoring of soil biochemical quality parameters under greenhouse spinach cultivation through animal waste recycling. <i>Chemistry and Ecology</i> , 2016, 32, 407-418.	0.6	8
33	Heavy metal-immobilizing organoclay facilitates polycyclic aromatic hydrocarbon biodegradation in mixed-contaminated soil. <i>Journal of Hazardous Materials</i> , 2015, 298, 129-137.	6.5	67
34	Bioremediation of PAHs and VOCs: Advances in clay mineral-“microbial interaction. <i>Environment International</i> , 2015, 85, 168-181.	4.8	116
35	Rapid Identification of Enterovirulent <i>Escherichia coli</i> Strains using Polymerase Chain Reaction from Shrimp Farms. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1260-1269.	0.2	7