Priyanka Mondal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8234733/publications.pdf

Version: 2024-02-01

19 papers	1,513 citations	516215 16 h-index	839053 18 g-index
19 all docs	19 docs citations	19 times ranked	2132 citing authors

#	Article	IF	Citations
1	Montmorillonite-supported nanoscale zero-valent iron for removal of arsenic from aqueous solution: Kinetics and mechanism. Chemical Engineering Journal, 2014, 243, 14-23.	6.6	302
2	Remediation of inorganic arsenic in groundwater for safe water supply: A critical assessment of technological solutions. Chemosphere, 2013, 92, 157-170.	4.2	270
3	Arsenic in groundwater of West Bengal, India: A review of human health risks and assessment of possible intervention options. Science of the Total Environment, 2018, 612, 148-169.	3.9	214
4	P-recovery as calcium phosphate from wastewater using an integrated selectrodialysis/crystallization process. Journal of Cleaner Production, 2014, 77, 140-151.	4.6	121
5	High pressure ultrafiltration CuO/hydroxyethyl cellulose composite ceramic membrane for separation of Cr (VI) and Pb (II) from contaminated water. Chemical Engineering Journal, 2018, 336, 570-578.	6.6	96
6	Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: Understanding geogenic and anthropogenic influences. Journal of Hazardous Materials, 2013, 262, 915-923.	6.5	70
7	Simultaneous regeneration of inorganic acid and base from a metal washing step wastewater by bipolar membrane electrodialysis after pretreatment by crystallization in a fluidized pellet reactor. Journal of Membrane Science, 2015, 473, 118-127.	4.1	64
8	Phosphate pre-concentration from municipal wastewater by selectrodialysis: Effect of competing components. Separation and Purification Technology, 2015, 141, 38-47.	3.9	58
9	Preparation of ceramic ultrafiltration membrane using green synthesized CuO nanoparticles for chromium (VI) removal and optimization by response surface methodology. Journal of Cleaner Production, 2018, 203, 511-520.	4.6	58
10	Kinetics and mechanism of arsenic removal using sulfide-modified nanoscale zerovalent iron. Chemical Engineering Journal, 2021, 412, 128667.	6.6	57
11	Removal of As(V), Cr(VI) and Cu(II) using novel amine functionalized composite nanofiltration membranes fabricated on ceramic tubular substrate. Journal of Hazardous Materials, 2020, 399, 122841.	6.5	49
12	Removal of As(V) from simulated groundwater using forward osmosis: Effect of competing and coexisting solutes. Desalination, 2014, 348, 33-38.	4.0	41
13	Synthesis of bentonite clay based hydroxyapatite nanocomposites cross-linked by glutaraldehyde and optimization by response surface methodology for lead removal from aqueous solution. RSC Advances, 2015, 5, 100838-100848.	1.7	31
14	Behavior of As(V) with ZVIâ€“H₂O System and the Reduction to As(0). Journal of Physical Chemistry C, 2014, 118, 21614-21621.	1.5	26
15	Effect of physico-chemical parameters on inorganic arsenic removal from aqueous solution using a forward osmosis membrane. Journal of Environmental Chemical Engineering, 2014, 2, 1309-1316.	3.3	20
16	Development of high performance pervaporation desalination membranes: A brief review. Chemical Engineering Research and Design, 2022, 159, 1092-1104.	2.7	18
17	Removal of heavy metals by surface tailored copper ion enhanced ceramic-supported-polymeric composite nanofiltration membrane. Journal of Environmental Chemical Engineering, 2021, 9, 106368.	3.3	14
18	Removal of cadmium by in-situ Cu nanoparticle enhanced ceramic-supported-polymeric composite NF membrane. Materials Today: Proceedings, 2021, 47, 1496-1499.	0.9	4

#	Article	IF	Citations
19	Electron Microscopy: An Important Tool for Preparation and Characterization of Asymmetric Ceramic-Polymer Composite Nanofiltration Membrane. Springer Proceedings in Materials, 2021, , 3-11.	0.1	0