Adi Radian

List of Publications by Year
in descending order

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26 papers	706 citations	687220 13 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	772 citing authors

#	Article	IF	Citations
1	Surface confinement of per-fluoroalkyl substances on an iron-decorated clay-cyclodextrin composite enables rapid oxidation by hydroxyl radicals. Chemical Engineering Journal, 2022, 431, 134187.	6.6	9
2	Heterogeneous Fenton catalyst based on clay decorated with nano-sized amorphous iron oxides prevents oxidant scavenging through surface complexation. Chemical Engineering Journal, 2022, 433, 134609.	6.6	28
3	Solid peroxides in Fenton-like reactions at near neutral pHs: Superior performance of MgO2 on the accelerated reduction of ferric species. Chemosphere, 2021, 270, 128639.	4.2	13
4	Calcium superphosphate as an inorganic stabilizer for modified-Fenton treatment of diesel-contaminated soil with two different exogenous iron sources. Journal of Cleaner Production, 2021, 294, 126255.	4.6	20
5	Alginate Composites Reinforced with Polyelectrolytes and Clay for Improved Adsorption and Bioremediation of Formaldehyde from Water. ACS ES&T Water, 2021, 1, 1837-1848.	2.3	16
6	Systematic evaluation of activated carbon-Fe3O4 composites for removing and degrading emerging organic pollutants. Environmental Research, 2021, 198, 111187.	3.7	11
7	Immobilization of aldehyde dehydrogenase on montmorillonite using polyethyleneimine as a stabilization and bridging agent. Applied Clay Science, 2021, 212, 106216.	2.6	5
8	Impact of cocultivation on the aggregation and sedimentation trends of cyanobacteria with native and modified clay minerals. Separation and Purification Technology, 2021, 278, 119179.	3.9	8
9	Layer-by-Layer Encapsulation of Herbicide-Degrading Bacteria for Improved Surface Properties and Compatibility in Soils. Polymers, 2021, 13, 3814.	2.0	0
10	Ironâ€“Montmorilloniteâ€“Cyclodextrin Composites as Recyclable Sorbent Catalysts for the Adsorption and Surface Oxidation of Organic Pollutants. ACS Applied Materials & Interfaces, 2020, 12, 52873-52887.	4.0	24
11	The effect of gallic acid interactions with iron-coated clay on surface redox reactivity. Water Research, 2020, 184, 116190.	5.3	22
12	Spectral induced polarization of clay-oxide hybrid particles. Journal of Colloid and Interface Science, 2020, 577, 173-180.	5.0	8
13	Curli production enhances clay-E. coli aggregation and sedimentation. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110361.	2.5	15
14	A self-regenerating clay-polymer-bacteria composite for formaldehyde removal from water. Chemical Engineering Journal, 2019, 374, 1275-1285.	6.6	36
15	Enhanced biodegradation of atrazine by bacteria encapsulated in organically modified silica gels. Journal of Colloid and Interface Science, 2018, 510, 57-68.	5.0	23
16	Silica Gel for Enhanced Activity and Hypochlorite Protection of Cyanuric Acid Hydrolase in Recombinant Escherichia coli. MBio, 2015, 6, e01477-15.	1.8	11
17	Modeling binding of organic pollutants to a clayâ€“polycation adsorbent using quantitative structuralâ€“activity relationships (QSARs). Applied Clay Science, 2015, 116-117, 241-247.	2.6	13
18	Nitrate Reduction by Redox-Modified Smectites Exchanged with Chitosan. Clays and Clay Minerals, 2014, 62, 403-414.	0.6	8

#	Article	IF	Citations
19	Nitrate Reduction by Redox-Activated, Polydiallyldimethylammonium-Exchanged Ferruginous Smectite. Clays and Clay Minerals, 2012, 60, 464-472.	0.6	13
20	Effect of Humic Acid on Pyrene Removal from Water by Polycation-Clay Mineral Composites and Activated Carbon. Environmental Science & Technology, 2012, 46, 6228-6235.	4.6	52
21	Enhanced removal of humic acid from water by micelle-montmorillonite composites: Comparison to granulated activated carbon. Applied Clay Science, 2011, 54, 258-263.	2.6	22
22	Applying zeta potential measurements to characterize the adsorption on montmorillonite of organic cations as monomers, micelles, or polymers. Journal of Colloid and Interface Science, 2010, 352, 171-177.	5.0	95
23	Polymerâ€“clay nanocomposites for the removal of trichlorophenol and trinitrophenol from water. Applied Clay Science, 2010, 49, 311-316.	2.6	76
24	Bioactive apo-ferredoxinâ€“polycationâ€“clay composites for iron binding. Journal of Materials Chemistry, 2010, 20, 4361.	6.7	9
25	Atrazine removal from water by polycationâ€“clay composites: Effect of dissolved organic matter and comparison to activated carbon. Water Research, 2009, 43, 677-683.	5.3	92
26	Characterizing and Designing Polycationâ^'Clay Nanocomposites As a Basis for Imazapyr Controlled Release Formulations. Environmental Science & Technology, 2008, 42, 1511-1516.	4.6	77