

Adi Radian

List of Publications by Year in descending order

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papers

706
citations

687220

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docs citations

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772
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#	ARTICLE	IF	CITATIONS
1	Applying zeta potential measurements to characterize the adsorption on montmorillonite of organic cations as monomers, micelles, or polymers. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 171-177.	5.0	95
2	Atrazine removal from water by polycation-clay composites: Effect of dissolved organic matter and comparison to activated carbon. <i>Water Research</i> , 2009, 43, 677-683.	5.3	92
3	Characterizing and Designing Polycation-Clay Nanocomposites As a Basis for Imazapyr Controlled Release Formulations. <i>Environmental Science & Technology</i> , 2008, 42, 1511-1516.	4.6	77
4	Polymer-clay nanocomposites for the removal of trichlorophenol and trinitrophenol from water. <i>Applied Clay Science</i> , 2010, 49, 311-316.	2.6	76
5	Effect of Humic Acid on Pyrene Removal from Water by Polycation-Clay Mineral Composites and Activated Carbon. <i>Environmental Science & Technology</i> , 2012, 46, 6228-6235.	4.6	52
6	A self-regenerating clay-polymer-bacteria composite for formaldehyde removal from water. <i>Chemical Engineering Journal</i> , 2019, 374, 1275-1285.	6.6	36
7	Heterogeneous Fenton catalyst based on clay decorated with nano-sized amorphous iron oxides prevents oxidant scavenging through surface complexation. <i>Chemical Engineering Journal</i> , 2022, 433, 134609.	6.6	28
8	Iron-Montmorillonite-Cyclodextrin Composites as Recyclable Sorbent Catalysts for the Adsorption and Surface Oxidation of Organic Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52873-52887.	4.0	24
9	Enhanced biodegradation of atrazine by bacteria encapsulated in organically modified silica gels. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 57-68.	5.0	23
10	Enhanced removal of humic acid from water by micelle-montmorillonite composites: Comparison to granulated activated carbon. <i>Applied Clay Science</i> , 2011, 54, 258-263.	2.6	22
11	The effect of gallic acid interactions with iron-coated clay on surface redox reactivity. <i>Water Research</i> , 2020, 184, 116190.	5.3	22
12	Calcium superphosphate as an inorganic stabilizer for modified-Fenton treatment of diesel-contaminated soil with two different exogenous iron sources. <i>Journal of Cleaner Production</i> , 2021, 294, 126255.	4.6	20
13	Alginate Composites Reinforced with Polyelectrolytes and Clay for Improved Adsorption and Bioremediation of Formaldehyde from Water. <i>ACS ES&T Water</i> , 2021, 1, 1837-1848.	2.3	16
14	Curli production enhances clay-E. coli aggregation and sedimentation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110361.	2.5	15
15	Nitrate Reduction by Redox-Activated, Polydiallyldimethylammonium-Exchanged Ferruginous Smectite. <i>Clays and Clay Minerals</i> , 2012, 60, 464-472.	0.6	13
16	Modeling binding of organic pollutants to a clay-polycation adsorbent using quantitative structural-activity relationships (QSARs). <i>Applied Clay Science</i> , 2015, 116-117, 241-247.	2.6	13
17	Solid peroxides in Fenton-like reactions at near neutral pHs: Superior performance of MgO ₂ on the accelerated reduction of ferric species. <i>Chemosphere</i> , 2021, 270, 128639.	4.2	13
18	Silica Gel for Enhanced Activity and Hypochlorite Protection of Cyanuric Acid Hydrolase in Recombinant <i>Escherichia coli</i> . <i>MBio</i> , 2015, 6, e01477-15.	1.8	11

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19	Systematic evaluation of activated carbon-Fe ₃ O ₄ composites for removing and degrading emerging organic pollutants. <i>Environmental Research</i> , 2021, 198, 111187.	3.7	11
20	Bioactive apo-ferredoxin-“polycation” clay composites for iron binding. <i>Journal of Materials Chemistry</i> , 2010, 20, 4361.	6.7	9
21	Surface confinement of per-fluoroalkyl substances on an iron-decorated clay-cyclodextrin composite enables rapid oxidation by hydroxyl radicals. <i>Chemical Engineering Journal</i> , 2022, 431, 134187.	6.6	9
22	Nitrate Reduction by Redox-Modified Smectites Exchanged with Chitosan. <i>Clays and Clay Minerals</i> , 2014, 62, 403-414.	0.6	8
23	Impact of cocultivation on the aggregation and sedimentation trends of cyanobacteria with native and modified clay minerals. <i>Separation and Purification Technology</i> , 2021, 278, 119179.	3.9	8
24	Spectral induced polarization of clay-oxide hybrid particles. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 173-180.	5.0	8
25	Immobilization of aldehyde dehydrogenase on montmorillonite using polyethyleneimine as a stabilization and bridging agent. <i>Applied Clay Science</i> , 2021, 212, 106216.	2.6	5
26	Layer-by-Layer Encapsulation of Herbicide-Degrading Bacteria for Improved Surface Properties and Compatibility in Soils. <i>Polymers</i> , 2021, 13, 3814.	2.0	0