

A critical review of clay-based composites with enhanced adsorption of metal and organic pollutants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of the solution concentration on the ion permeation through the montmorillonite membranes. <i>Materials Research Express</i> , 2019, 6, 1150b5.	0.8	1
2	Enhanced gemfibrozil removal from treated wastewater by designed "loopy" clay-polycation sorbents: Effect of diclofenac and effluent organic matter. <i>Applied Clay Science</i> , 2019, 182, 105278.	2.6	12
3	Concurrent removal of Cr(III), Cu(II), and Pb(II) ions from water by multifunctional TiO ₂ /Alg/FeNPs beads. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 14, 100176.	1.6	14
4	Preparation of Modified Montmorillonite and Its Application to Rare Earth Adsorption. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 747.	0.8	22
5	Application of a new type of Si-Al porous clay material as a solid phase support for immobilizing <i>Acidovorax</i> sp. PM3 to treat domestic sewage. <i>Adsorption Science and Technology</i> , 2019, 37, 729-744.	1.5	5
6	Synthesis, characterization and applications of silylation based grafted bentonites for the removal of Sudan dyes: Isothermal, kinetic and thermodynamic studies. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109697.	2.2	65
7	Comparison of Cd ²⁺ adsorption onto amphoteric, amphoteric-cationic and amphoteric-anionic modified magnetic bentonites. <i>Chemosphere</i> , 2020, 239, 124840.	4.2	31
8	Preparation of mesoporous silica materials functionalized with various amino-ligands and investigation of adsorption performances on aromatic acids. <i>Chemical Engineering Journal</i> , 2020, 379, 122405.	6.6	32
9	Raw and modified clays and clay minerals for the removal of pharmaceutical products from aqueous solutions: State of the art and future perspectives. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1451-1514.	6.6	37
10	Fenton-like degradation of dimethyl phthalate enhanced by quinone species. <i>Journal of Hazardous Materials</i> , 2020, 382, 121007.	6.5	39
11	Clay-polymer nanocomposites: Progress and challenges for use in sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121125.	6.5	132
12	Pseudohalide-directed assemblies of Cu(II) coordination polymers with diverse structures and dye adsorption behaviors. <i>Transition Metal Chemistry</i> , 2020, 45, 91-97.	0.7	0
13	Hydrogel microcapsules with photocatalytic nanoparticles for removal of organic pollutants. <i>Environmental Science: Nano</i> , 2020, 7, 656-664.	2.2	51
14	Mechanistic study of selective adsorption and reduction of Au (III) to gold nanoparticles by ion-imprinted porous alginate microspheres. <i>Chemical Engineering Journal</i> , 2020, 385, 123897.	6.6	84
15	Polymer supports for the removal and degradation of hazardous organic pollutants: an overview. <i>Polymer International</i> , 2020, 69, 333-345.	1.6	16
16	Development of highly efficient chemosensors for Cu ²⁺ and N ₂ H ₄ detection based on 2D polyaniline derivatives by template-free chemical polymerization method. <i>Journal of Hazardous Materials</i> , 2020, 389, 121902.	6.5	18
17	Synthesis of a novel magnetic multi-amine decorated resin for the adsorption of tetracycline and copper. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 106, 130-137.	2.7	23
18	Removal of Hg ²⁺ with Polypyrrole-Functionalized Fe ₃ O ₄ /Kaolin: Synthesis, Performance and Optimization with Response Surface Methodology. <i>Nanomaterials</i> , 2020, 10, 1370.	1.9	21

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20	Iron-Modified 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
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24	Micro-structure, surface properties and adsorption capacity of ball-milled cellulosic biomass derived biochar based mineral composites synthesized via carbon-bed pyrolysis. <i>Applied Clay Science</i> , 2020, 199, 105877.	2.6	29
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