

Adsorption recovery of phosphate from aqueous solution prepared from eggshell and rice straw

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Wasted salted duck eggshells as an alternative adsorbent for phosphorus removal. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103443.	3.3	20
2	Black liquor-derived calcium-activated biochar for recovery of phosphate from aqueous solutions. <i>Bioresource Technology</i> , 2019, 294, 122198.	4.8	76
3	Potentiality of waste human hair towards removal of chromium(VI) from solution: kinetic and equilibrium studies. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	34
4	Adsorption of phosphorus onto Fe-modified <i>Thalia dealbat</i> derived biochar. <i>E3S Web of Conferences</i> , 2019, 118, 01022.	0.2	2
5	The removal of phosphate by thermally treated red mud from water: The effect of surface chemistry on phosphate immobilization. <i>Chemosphere</i> , 2020, 247, 125867.	4.2	32
6	The Absorption of Kitchen Waste Mixed-base Biochar on Malachite Green. <i>Chemistry Letters</i> , 2020, 49, 20-23.	0.7	5
7	Preparation, environmental application and prospect of biochar-supported metal nanoparticles: A review. <i>Journal of Hazardous Materials</i> , 2020, 388, 122026.	6.5	172
8	Bioenergy generation and simultaneous nitrate and phosphorus removal in a pyrite-based constructed wetland-microbial fuel cell. <i>Bioresource Technology</i> , 2020, 296, 122350.	4.8	119
9	Characteristics and mechanisms of phosphorous adsorption by rape straw-derived biochar functionalized with calcium from eggshell. <i>Bioresource Technology</i> , 2020, 318, 124063.	4.8	90
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11	Biomass pyrolysis with alkaline-earth-metal additive for co-production of bio-oil and biochar-based soil amendment. <i>Science of the Total Environment</i> , 2020, 743, 140760.	3.9	44
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16	Biochar derived from red algae for efficient remediation of 4-nonylphenol from marine sediments. <i>Chemosphere</i> , 2020, 254, 126916.	4.2	61
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18	Bio/hydrochar Sorbents for Environmental Remediation. <i>Energy and Environmental Materials</i> , 2020, 3, 453-468.	7.3	50

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20	Synthesis, characterization and application of novel MnO and CuO impregnated biochar composites to sequester arsenic (As) from water: Modeling, thermodynamics and reusability. <i>Journal of Hazardous Materials</i> , 2021, 401, 123338.	6.5	112
21	Enhanced elemental mercury removal via chlorine-based hierarchically porous biochar with CaCO ₃ as template. <i>Chemical Engineering Journal</i> , 2021, 406, 126828.	6.6	33
22	Conversion of tannery solid waste to an adsorbent for high-efficiency dye removal from tannery wastewater: A road to circular utilization. <i>Chemosphere</i> , 2021, 263, 127987.	4.2	36
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26	Enhanced removal of phosphate from aqueous solution using Mg/Fe modified biochar derived from excess activated sludge: removal mechanism and environmental risk. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16282-16297.	2.7	21
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28	Phosphorus pollution control using waste-based adsorbents: Material synthesis, modification, and sustainability. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2023-2059.	6.6	16
29	Adsorption recovery of phosphate from waste streams by Ca/Mg-biochar synthesis from marble waste, calcium-rich sepiolite and bagasse. <i>Journal of Cleaner Production</i> , 2021, 288, 125638.	4.6	86
30	Nitrogen and magnesium Co-doped biochar for phosphate adsorption. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5923-5942.	2.9	4
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38	Efficient recovery of phosphate from simulated urine by Mg/Fe bimetallic oxide modified biochar as a potential resource. <i>Science of the Total Environment</i> , 2021, 784, 147546.	3.9	49
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49	Efficient reclaiming phosphate from aqueous solution using waste limestone modified sludge biochar: Mechanism and application as soil amendments. <i>Science of the Total Environment</i> , 2021, 799, 149454.	3.9	15
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