

# Removal of phosphate from aqueous solution by biochar digested sugar beet tailings

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enhanced Lead Sorption by Biochar Derived from Anaerobically Digested Sugarcane Bagasse. Separation Science and Technology, 2011, 46, 1950-1956.	1.3	206
2	Chemical activation of gasification carbon residue for phosphate removal. , 2012, , .		4
3	Adsorption of arsenic (V) and phosphate onto MgAlNO <sub>3</sub> -LDHs. , 2012, , .		1
4	Kinetics of Carbon Mineralization of Biochars Compared with Wheat Straw in Three Soils. Journal of Environmental Quality, 2012, 41, 1210-1220.	1.0	81
5	Synthesis of porous MgO-biochar nanocomposites for removal of phosphate and nitrate from aqueous solutions. Chemical Engineering Journal, 2012, 210, 26-32.	6.6	521
6	Synthesis, characterization, and environmental implications of graphene-coated biochar. Science of the Total Environment, 2012, 435-436, 567-572.	3.9	189
7	The use of biochar to reduce soil PCB bioavailability to Cucurbita pepo and Eisenia fetida. Science of the Total Environment, 2012, 437, 76-82.	3.9	88
8	Hydrogen peroxide modification enhances the ability of biochar (hydrochar) produced from hydrothermal carbonization of peanut hull to remove aqueous heavy metals: Batch and column tests. Chemical Engineering Journal, 2012, 200-202, 673-680.	6.6	578
9	Removal of heavy metals from aqueous solution by biochars derived from anaerobically digested biomass. Bioresource Technology, 2012, 110, 50-56.	4.8	627
10	Adsorption of sulfamethoxazole on biochar and its impact on reclaimed water irrigation. Journal of Hazardous Materials, 2012, 209-210, 408-413.	6.5	229
11	Sorption and desorption of phosphate on biochar and biochar-soil mixtures. Soil Use and Management, 2013, 29, 306-314.	2.6	97
12	Retention of phosphorous ions on natural and engineered waste pumice: Characterization, equilibrium, competing ions, regeneration, kinetic, equilibrium and thermodynamic study. Applied Surface Science, 2013, 284, 419-431.	3.1	63
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14	Interactions between carbon nanotubes and sulfonamide antibiotics in aqueous solutions under various physicochemical conditions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1136-1144.	0.9	24
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16	Engineered Biochar Reclaiming Phosphate from Aqueous Solutions: Mechanisms and Potential Application as a Slow-Release Fertilizer. Environmental Science & Technology, 2013, 47, 8700-8708.	4.6	595
17	Filtration of engineered nanoparticles in carbon-based fixed bed columns. Chemical Engineering Journal, 2013, 220, 221-227.	6.6	30
18	Statistical optimization and kinetic studies on removal of Zn <sup>2+</sup> using functionalized carbon nanotubes and magnetic biochar. Journal of Environmental Chemical Engineering, 2013, 1, 486-495.	3.3	96

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19	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. <i>Bioresource Technology</i> , 2013, 130, 463-471.	4.8	301
20	Sorption of ammonium and phosphate from aqueous solution by biochar derived from phytoremediation plants. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 1152-1161.	1.3	159
21	Sorption of heavy metals on chitosan-modified biochars and its biological effects. <i>Chemical Engineering Journal</i> , 2013, 231, 512-518.	6.6	325
22	Organic carbon and nutrient release from a range of laboratory-produced biochars and biochar-soil mixtures. <i>Geoderma</i> , 2013, 193-194, 122-130.	2.3	434
23	Phosphate removal ability of biochar/MgAl-LDH ultra-fine composites prepared by liquid-phase deposition. <i>Chemosphere</i> , 2013, 92, 1042-1047.	4.2	232
24	Removal of arsenic, methylene blue, and phosphate by biochar/AlOOH nanocomposite. <i>Chemical Engineering Journal</i> , 2013, 226, 286-292.	6.6	389
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31	Evaluation of Biochar as a Potential Filter Media for the Removal of Mixed Contaminants from Urban Storm Water Runoff. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, .	0.7	121
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38	Organic and inorganic contaminants removal from water with biochar, a renewable, low cost and sustainable adsorbent – A critical review. <i>Bioresource Technology</i> , 2014, 160, 191-202.	4.8	1,736
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41	Synthesis, characterization, and dye sorption ability of carbon nanotube–biochar nanocomposites. <i>Chemical Engineering Journal</i> , 2014, 236, 39-46.	6.6	276
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48	Self-assembly of needle-like layered double hydroxide (LDH) nanocrystals on hydrochar: characterization and phosphate removal ability. <i>RSC Advances</i> , 2014, 4, 28171.	1.7	57
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90	Phosphorus Removal from Aqueous Solution by Pre- or Post-Modified Biochars Derived from Agricultural Residues. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	30

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92	Mesocarbon Microbead Carbon-Supported Magnesium Hydroxide Nanoparticles: Turning Spent Li-ion Battery Anode into a Highly Efficient Phosphate Adsorbent for Wastewater Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21315-21325.	4.0	88
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110	Investigation of phosphate adsorption by a polyethersulfone-type affinity membrane using experimental and DFT methods. <i>Desalination and Water Treatment</i> , 2016, 57, 25036-25056.	1.0	7
111	Mg-Enriched Engineered Carbon from Lithium-Ion Battery Anode for Phosphate Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2905-2909.	4.0	40
112	Removal of ammonium from aqueous solutions using alkali-modified biochars. <i>Chemical Speciation and Bioavailability</i> , 2016, 28, 26-32.	2.0	35
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123	Lactic acid fermentation of human urine to improve its fertilizing value and reduce odour emissions. <i>Journal of Environmental Management</i> , 2017, 198, 63-69.	3.8	29
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144	Synthesis and Characterization of MgO Modified Diatomite for Phosphorus Recovery in Eutrophic Water. Journal of Chemical & Engineering Data, 2017, 62, 226-235.	1.0	36

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146	Iron-impregnated biochars as effective phosphate sorption materials. <i>Environmental Science and Pollution Research</i> , 2017, 24, 463-475.	2.7	130
147	Phosphorus recovery from biogas slurry by ultrasound/H <sub>2</sub> O <sub>2</sub> digestion coupled with HFO/biochar adsorption process. <i>Waste Management</i> , 2017, 60, 219-229.	3.7	45
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