

Multifunctional applications of biochar beyond carbon .

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Low tech biochar production could be a highly effective nature-based solution for climate change mitigation in the developing world. <i>Plant and Soil</i> , 2022, 479, 77-83.	3.7	3
3	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021, 420, 126534.	12.4	150
4	Novel agrotechnological intervention for soil amendment through areca nut husk biochar in conjunction with vetiver grass. <i>Chemosphere</i> , 2022, 287, 132443.	8.2	3
5	Multidimensional approaches of biogas production and up-gradation: Opportunities and challenges. <i>Bioresource Technology</i> , 2021, 338, 125514.	9.6	97
6	Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in a mining-contaminated soil. <i>Chemosphere</i> , 2021, 282, 131016.	8.2	36
7	Immobilization of cadmium and lead using phosphorus-rich animal-derived and iron-modified plant-derived biochars under dynamic redox conditions in a paddy soil. <i>Environment International</i> , 2021, 156, 106628.	10.0	77
8	Artificial intelligence (AI) applications in adsorption of heavy metals using modified biochar. <i>Science of the Total Environment</i> , 2021, 801, 149623.	8.0	61
9	Biochar as environmental armour and its diverse role towards protecting soil, water and air. <i>Science of the Total Environment</i> , 2022, 806, 150444.	8.0	63
10	Highly efficient bio-adsorption of Malachite green using Chinese Fan-Palm Biochar (Livistona) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	8.2	37
11	Microwave assisted carbonization and activation of biochar for energy-environment nexus: A review. <i>Chemosphere</i> , 2022, 286, 131631.	8.2	52
12	Insight to bacteria community response of organic management in apple orchard-bagasse fertilizer combined with biochar. <i>Chemosphere</i> , 2022, 286, 131693.	8.2	20
13	The sorption and short-term immobilization of lead and cadmium by nano-hydroxyapatite/biochar in aqueous solution and soil. <i>Chemosphere</i> , 2022, 286, 131810.	8.2	42
14	Review: Performance of Biochar under Diminish Water Stress in Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1-16.	1.4	2
15	Technologies and perspectives for achieving carbon neutrality. <i>Innovation(China)</i> , 2021, 2, 100180.	9.1	306
16	Sustainable applications of rice feedstock in agro-environmental and construction sectors: A global perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111791.	16.4	78
17	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2022, 158, 106908.	10.0	125
18	The significant role of electron donating capacity and carbon structure of biochar to electron transfer of zerovalent iron. <i>Chemosphere</i> , 2022, 287, 132381.	8.2	8
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21	Stabilization of lead and cadmium in soil by sulfur-iron functionalized biochar: Performance, mechanisms and microbial community evolution. Journal of Hazardous Materials, 2022, 425, 127876.	12.4	109
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23	Effects of modified biochar on As-contaminated water and soil: A recent update. Advances in Chemical Pollution, Environmental Management and Protection, 2021, 7, 107-136.	0.5	2
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29	Remediation of Cd and Cu contaminated water and soil using novel nanomaterials derived from sugar beet processing- and clay brick factory-solid wastes. Journal of Hazardous Materials, 2022, 428, 128205.	12.4	30
30	Phytoremediation of potentially toxic elements (PTEs) contaminated soils using alfalfa (Medicago Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	8.2	63
31	Aging features of metal(loid)s in biochar-amended soil: Effects of biochar type and aging method. Science of the Total Environment, 2022, 815, 152922.	8.0	31
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39	Sustainable biochar effects on the remediation of contaminated soil: A 2-crop season site practice near a lead-zinc smelter in Feng County, China. <i>Environmental Pollution</i> , 2022, 302, 119095.	7.5	5
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149	Advanced approaches for resource recovery from wastewater and activated sludge: A review. <i>Bioresource Technology</i> , 2023, 384, 129250.	9.6	9
150	Relevance of wood biochar on CO ₂ adsorption: A review. , 2023, 3, 100056.		5
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