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A mechanistic study on removal efficiency of four antibiotics by animal and plant origin precursors-derived biochars

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30	Effects and mechanism of pyrolysis temperature on physicochemical properties of corn stalk pellet biochar based on combined characterization approach of microcomputed tomography and chemical analysis. <i>Bioresource Technology</i> , 2021 , 329, 124907	11	11
29	Biochars Adsorption performance towards moxifloxacin and ofloxacin in aqueous solution: Role of pyrolysis temperature and biomass type. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101912	7	4
28	Removal of tetracycline from wastewater using magnetic biochar: A comparative study of performance based on the preparation method. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101916	7	2
27	From green biowaste to water treatment applications: Utilization of modified new biochar for the efficient removal of ciprofloxacin. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 24, 100522	3.9	3
26	Tailoring biochar for persulfate-based environmental catalysis: Impact of biomass feedstocks. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127663	12.8	6
25	Insight into the mechanisms of ball-milled biochar addition on soil tetracycline degradation enhancement: Physicochemical properties and microbial community structure. <i>Chemosphere</i> , 2021 , 132694	8.4	2
24	Enhanced adsorption performance of tetracycline in aqueous solutions by KOH-modified peanut shell-derived biochar. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
23	Adsorption of sulfamethoxazole on polypyrrole decorated volcanics over a wide pH range: Mechanisms and site energy distribution consideration. <i>Separation and Purification Technology</i> , 2021 , 120165	8.3	1
22	Mixed bacteria-loaded biochar for the immobilization of arsenic, lead, and cadmium in a polluted soil system: Effects and mechanisms. <i>Science of the Total Environment</i> , 2021 , 811, 152112	10.2	4
21	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review.. <i>Journal of Hazardous Materials</i> , 2021 , 427, 128131	12.8	7
20	Two-step pyrolysis biochar derived from agro-waste for antibiotics removal: Mechanisms and stability.. <i>Chemosphere</i> , 2021 , 292, 133454	8.4	1
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18	The Magnetically Recoverable C-ZnFe ₂ O ₄ As Microwave Absorption Catalyst For the Degradation of Norfloxacin by Persulfate: Mechanism, Degradation Pathway, Toxicity, and Stability. <i>SSRN Electronic Journal</i> ,	1	
17	Sorption mechanisms of diethyl phthalate by nutshell biochar derived at different pyrolysis temperature. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107328	6.8	2
16	Impacts of temperatures and phosphoric-acid modification to the physicochemical properties of biochar for excellent sulfadiazine adsorption. <i>Biochar</i> , 2022 , 4, 1	10	2
15	The magnetically recoverable C-ZnFe ₂ O ₄ as a microwave absorption catalyst for the degradation of norfloxacin by persulfate: Mechanism, degradation pathway, toxicity, and stability. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107434	6.8	0
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13	Insights into Cr(VI) removal mechanism in water by facile one-step pyrolysis prepared coal gangue-biochar composite.. <i>Chemosphere</i> , 2022 , 134334	8.4	o
12	Soybean straw biochar activating peroxydisulfate to simultaneously eliminate tetracycline and tetracycline resistance bacteria: Insights on the mechanism.. <i>Water Research</i> , 2022 , 218, 118489	12.5	1
11	Usage of biochar to ameliorate the toxicity induced by antibiotics for seedlings at the germination stage. <i>Vegetos</i> ,	1.2	
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9	Application of biochar for the adsorption of organic pollutants from wastewater: Modification strategies, mechanisms and challenges. 2022 , 300, 121925		3
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7	Adsorption Capacity of Tetracycline in Solution by Cu-BTC@Carboxyl-Functionalized Carbon Nanotubes@Copper Alginate Composite Aerogel Beads. 2022 , 12, 1298		o
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