Shaobo Liu

List of Publications by Year
in descending order

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31 papers	3,063 citations	236925 25 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	3577 citing authors

#	Article	IF	Citations
1	Biochar to improve soil fertility. A review. Agronomy for Sustainable Development, 2016, 36, 1.	5.3	633
2	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. Journal of Colloid and Interface Science, 2017, 506, 355-364.	9.4	342
3	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. Bioresource Technology, 2016, 218, 351-359.	9.6	286
4	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe3O4@SiO2-Chitosan/graphene oxide nanocomposite. Carbohydrate Polymers, 2017, 157, 576-585.	10.2	245
5	Biomass-derived porous graphitic carbon materials for energy and environmental applications. Journal of Materials Chemistry A, 2020, 8, 5773-5811.	10.3	234
6	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. Chemical Engineering Journal, 2019, 378, 122141.	12.7	158
7	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17Î²-estradiol and copper. Science of the Total Environment, 2018, 639, 1530-1542.	8.0	142
8	Competitive removal of Cd(<scp>ii</scp>) and Pb(<scp>ii</scp>) by biochars produced from water hyacinths: performance and mechanism. RSC Advances, 2016, 6, 5223-5232.	3.6	124
9	Activation of persulfate by graphitized biochar for sulfamethoxazole removal: The roles of graphitic carbon structure and carbonyl group. Journal of Colloid and Interface Science, 2020, 577, 419-430.	9.4	94
10	Titanium dioxideâ€coated biochar composites as adsorptive and photocatalytic degradation materials for the removal of aqueous organic pollutants. Journal of Chemical Technology and Biotechnology, 2018, 93, 783-791.	3.2	73
11	Adsorption of 17Î²-estradiol from aqueous solution by raw and direct/pre/post-KOH treated lotus seedpod biochar. Journal of Environmental Sciences, 2020, 87, 10-23.	6.1	69
12	Rice waste biochars produced at different pyrolysis temperatures for arsenic and cadmium abatement and detoxification in sediment. Chemosphere, 2020, 250, 126268.	8.2	56
13	Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in Boehmeria nivea (L.) Gaudich. Environmental Science and Pollution Research, 2016, 23, 8699-8708.	5.3	54
14	Adsorption of 17Î²-estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. Chemical Engineering Research and Design, 2019, 121, 155-164.	5.6	54
15	Growth inhibition and oxidative damage of Microcystis aeruginosa induced by crude extract of Sagittaria trifolia tubers. Journal of Environmental Sciences, 2016, 43, 40-47.	6.1	49
16	Design and Preparation of Chitosan-Crosslinked Bismuth Ferrite/Biochar Coupled Magnetic Material for Methylene Blue Removal. International Journal of Environmental Research and Public Health, 2020, 17, 6.	2.6	46
17	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17Î²-estradiol removal: Effects of Al2O3 nanoparticles and microplastics. Science of the Total Environment, 2020, 715, 136723.	8.0	46
18	Activation of persulfate by nanoscale zero-valent iron loaded porous graphitized biochar for the removal of 17Î²-estradiol: Synthesis, performance and mechanism. Journal of Colloid and Interface Science, 2021, 588, 776-786.	9.4	45

#	Article	IF	Citations
19	Influence of sodium dodecyl sulfate coating on adsorption of methylene blue by biochar from aqueous solution. Journal of Environmental Sciences, 2018, 70, 166-174.	6.1	42
20	Adsorption Removal of 17Î²-Estradiol from Water by Rice Straw-Derived Biochar with Special Attention to Pyrolysis Temperature and Background Chemistry. International Journal of Environmental Research and Public Health, 2017, 14, 1213.	2.6	40
21	Effects of single- and multi-organic acid ligands on adsorption of copper by Fe3O4/graphene oxide-supported DCTA. Journal of Colloid and Interface Science, 2016, 478, 288-295.	9.4	36
22	Removal of metformin hydrochloride by Alternanthera philoxeroides biomass derived porous carbon materials treated with hydrogen peroxide. RSC Advances, 2016, 6, 79275-79284.	3.6	30
23	Effects of heteroaggregation with metal oxides and clays on tetracycline adsorption by graphene oxide. Science of the Total Environment, 2020, 719, 137283.	8.0	30
24	Catalytic degradation of sulfamethoxazole by persulfate activated with magnetic graphitized biochar: Multiple mechanisms and variables effects. Chemical Engineering Research and Design, 2020, 144, 143-157.	5.6	29
25	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. Journal of Cleaner Production, 2021, 321, 128781.	9.3	29
26	Removal of 17Î²-Estradiol from water by adsorption onto montmorillonite-carbon hybrids derived from pyrolysis carbonization of carboxymethyl cellulose. Journal of Environmental Management, 2019, 236, 25-33.	7.8	25
27	Efficient Removal 17-Estradiol by Graphene-Like Magnetic Sawdust Biochar: Preparation Condition and Adsorption Mechanism. International Journal of Environmental Research and Public Health, 2020, 17, 8377.	2.6	16
28	Perceived Quality of Urban Wetland Parks: A Second-Order Factor Structure Equation Modeling. Sustainability, 2020, 12, 7204.	3.2	13
29	Fabrication of Stabilized Feâ€“Mn Binary Oxide Nanoparticles: Effective Adsorption of 17Î²-Estradiol and Influencing Factors. International Journal of Environmental Research and Public Health, 2018, 15, 2218.	2.6	12
30	Acute Toxicity of Divalent Mercury Ion to Anguilla japonica from Seawater and Freshwater Aquaculture and Its Effects on Tissue Structure. International Journal of Environmental Research and Public Health, 2019, 16, 1965.	2.6	10
31	Appraising the effects of various chelants on alleviating cadmium by Boehmeria nivea (L.) Gaud from cadmium-contaminated soils. International Journal of Environmental Science and Technology, 0, , 1.	3.5	1