Sirong Tian

List of Publications by Year
in descending order

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29 papers	5,763 citations	185998 28 h-index	500791 28 g-index
29 all docs	29 docs citations	29 times ranked	5905 citing authors

#	Article	IF	Citations
1	Application of biochar for the removal of pollutants from aqueous solutions. Chemosphere, 2015, 125, 70-85.	4.2	1,324
2	Biochar-based nano-composites for the decontamination of wastewater: A review. Bioresource Technology, 2016, 212, 318-333.	4.8	654
3	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. Bioresource Technology, 2017, 227, 359-372.	4.8	487
4	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. Bioresource Technology, 2016, 218, 351-359.	4.8	286
5	Investigating the adsorption behavior and the relative distribution of Cd2+ sorption mechanisms on biochars by different feedstock. Bioresource Technology, 2018, 261, 265-271.	4.8	278
6	Removal of 17Î²-estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. Chemical Engineering Journal, 2016, 284, 93-102.	6.6	258
7	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. Chemosphere, 2019, 226, 360-380.	4.2	254
8	Biomass-derived porous graphitic carbon materials for energy and environmental applications. Journal of Materials Chemistry A, 2020, 8, 5773-5811.	5.2	234
9	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. Chemical Engineering Journal, 2019, 371, 380-403.	6.6	191
10	A review: Research progress on microplastic pollutants in aquatic environments. Science of the Total Environment, 2021, 766, 142572.	3.9	189
11	Fabrication of Î²-cyclodextrin/poly (l -glutamic acid) supported magnetic graphene oxide and its adsorption behavior for 17Î²-estradiol. Chemical Engineering Journal, 2017, 308, 597-605.	6.6	187
12	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. Chemical Engineering Journal, 2019, 378, 122141.	6.6	158
13	Facile synthesis of Cu(II) impregnated biochar with enhanced adsorption activity for the removal of doxycycline hydrochloride from water. Science of the Total Environment, 2017, 592, 546-553.	3.9	154
14	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. Environmental Science & Technology, 2017, 51, 6352-6359.	4.6	151
15	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. Frontiers in Chemistry, 2018, 6, 80.	1.8	143
16	Potential Benefits of Biochar in Agricultural Soils: A Review. Pedosphere, 2017, 27, 645-661.	2.1	137
17	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. Journal of Hazardous Materials, 2020, 384, 121470.	6.5	121
18	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. Scientific Reports, 2016, 6, 39691.	1.6	107

#	Article	IF	Citations
19	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass (Boehmeria nivea) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Management, 2016, 184, 85-93.	3.8	98
20	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. Environmental Science and Pollution Research, 2015, 22, 12597-12604.	2.7	67
21	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.	3.9	46
22	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. Chemical Engineering Research and Design, 2019, 128, 329-341.	2.7	42
23	Comparative study of rice husk biochars for aqueous antibiotics removal. Journal of Chemical Technology and Biotechnology, 2018, 93, 1075-1084.	1.6	41
24	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogenâ€“Doped Magnetic Graphene Oxide. Scientific Reports, 2016, 6, 34378.	1.6	35
25	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17Î²-estradiol and 17Î±-ethynylestradiol removal. RSC Advances, 2018, 8, 4273-4283.	1.7	33
26	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (Boehmeria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Pollution Research, 2017, 24, 23528-23537.	2.7	30
27	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.	2.7	29
28	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. Journal of Cleaner Production, 2021, 321, 128781.	4.6	29
29	Cover Image, Volume 93, Issue 4. Journal of Chemical Technology and Biotechnology, 2018, 93, i-i.	1.6	0