

Sirong Tian

List of Publications by Year in descending order

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29
papers

5,763
citations

186265
28
h-index

501196
28
g-index

29
all docs

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docs citations

29
times ranked

5905
citing authors

#	ARTICLE	IF	CITATIONS
1	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021, 766, 142572.	8.0	189
2	Recent advances in applications of nonradical oxidation in water treatment: Mechanisms, catalysts and environmental effects. <i>Journal of Cleaner Production</i> , 2021, 321, 128781.	9.3	29
3	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020, 384, 121470.	12.4	121
4	Catalytic degradation of sulfamethoxazole by persulfate activated with magnetic graphitized biochar: Multiple mechanisms and variables effects. <i>Chemical Engineering Research and Design</i> , 2020, 144, 143-157.	5.6	29
5	Synthesis a graphene-like magnetic biochar by potassium ferrate for 17 β -estradiol removal: Effects of Al ₂ O ₃ nanoparticles and microplastics. <i>Science of the Total Environment</i> , 2020, 715, 136723.	8.0	46
6	Biomass-derived porous graphitic carbon materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5773-5811.	10.3	234
7	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. <i>Chemical Engineering Research and Design</i> , 2019, 128, 329-341.	5.6	42
8	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. <i>Chemical Engineering Journal</i> , 2019, 378, 122141.	12.7	158
9	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , 2019, 226, 360-380.	8.2	254
10	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019, 371, 380-403.	12.7	191
11	Investigating the adsorption behavior and the relative distribution of Cd ²⁺ sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018, 261, 265-271.	9.6	278
12	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17 β -estradiol and 17 α -ethynylestradiol removal. <i>RSC Advances</i> , 2018, 8, 4273-4283.	3.6	33
13	Cover Image, Volume 93, Issue 4. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, i-i.	3.2	0
14	Comparative study of rice husk biochars for aqueous antibiotics removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1075-1084.	3.2	41
15	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. <i>Frontiers in Chemistry</i> , 2018, 6, 80.	3.6	143
16	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. <i>Environmental Science & Technology</i> , 2017, 51, 6352-6359.	10.0	151
17	Facile synthesis of Cu(II) impregnated biochar with enhanced adsorption activity for the removal of doxycycline hydrochloride from water. <i>Science of the Total Environment</i> , 2017, 592, 546-553.	8.0	154
18	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. <i>Bioresource Technology</i> , 2017, 227, 359-372.	9.6	487

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19	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (<i>Boehmeria</i>) Tj ETQq1 1 0.784314 rgBT /Overl Pollution Research, 2017, 24, 23528-23537.	5.3	30
20	Potential Benefits of Biochar in Agricultural Soils: A Review. <i>Pedosphere</i> , 2017, 27, 645-661.	4.0	137
21	Fabrication of β -cyclodextrin/poly (L-glutamic acid) supported magnetic graphene oxide and its adsorption behavior for 17 β -estradiol. <i>Chemical Engineering Journal</i> , 2017, 308, 597-605.	12.7	187
22	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , 2016, 218, 351-359.	9.6	286
23	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. <i>Scientific Reports</i> , 2016, 6, 39691.	3.3	107
24	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , 2016, 212, 318-333.	9.6	654
25	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass (<i>Boehmeria nivea</i>) Tj ETQq1 1 0.784314 rgBT /Overl Management, 2016, 184, 85-93.	7.8	98
26	Statistical Analysis of Main and Interaction Effects on Cu(II) and Cr(VI) Decontamination by Nitrogen- α -Doped Magnetic Graphene Oxide. <i>Scientific Reports</i> , 2016, 6, 34378.	3.3	35
27	Removal of 17 β -estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2016, 284, 93-102.	12.7	258
28	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , 2015, 125, 70-85.	8.2	1,324
29	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12597-12604.	5.3	67