

Guangcai Tan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,626
citations

567144

15
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

1952
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of biochar additions to soil on nitrogen leaching, microbial biomass and bacterial community structure. <i>European Journal of Soil Biology</i> , 2016, 74, 1-8.	1.4	839
2	Sorption of mercury (II) and atrazine by biochar, modified biochars and biochar based activated carbon in aqueous solution. <i>Bioresource Technology</i> , 2016, 211, 727-735.	4.8	286
3	Resource recovery microbial fuel cells for urine-containing wastewater treatment without external energy consumption. <i>Chemical Engineering Journal</i> , 2019, 373, 1072-1080.	6.6	80
4	Pseudocapacitive Behaviors of Polypyrrole Grafted Activated Carbon and MnO ₂ Electrodes to Enable Fast and Efficient Membrane-Free Capacitive Deionization. <i>Environmental Science & Technology</i> , 2020, 54, 5843-5852.	4.6	67
5	A comparative study of arsenic(V), tetracycline and nitrate ions adsorption onto magnetic biochars and activated carbon. <i>Chemical Engineering Research and Design</i> , 2020, 159, 582-591.	2.7	62
6	Enhanced power generation and wastewater treatment in sustainable biochar electrodes based bioelectrochemical system. <i>Bioresource Technology</i> , 2017, 241, 841-848.	4.8	51
7	Biochar amendment with fertilizers increases peanut N uptake, alleviates soil N ₂ O emissions without affecting NH ₃ volatilization in field experiments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8817-8826.	2.7	44
8	Vegetable yields and soil biochemical properties as influenced by fertilization in Southern China. <i>Applied Soil Ecology</i> , 2016, 107, 170-181.	2.1	31
9	Comparison of biochar- and activated carbon-supported zerovalent iron for the removal of Se(IV) and Se(VI): influence of pH, ionic strength, and natural organic matter. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21609-21618.	2.7	28
10	Influence of biochar on sorption, leaching and dissipation of bisphenol A and 17 β -ethynylestradiol in soil. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1722-1730.	1.7	19
11	Carbonized peat moss electrodes for efficient salinity gradient energy recovery in a capacitive concentration flow cell. <i>Electrochimica Acta</i> , 2019, 294, 240-248.	2.6	19
12	Polyelectrolyte-Coated Copper Hexacyanoferrate and Bismuth Oxichloride Electrodes for Efficient Salinity Gradient Energy Recovery in Capacitive Mixing. <i>Energy Technology</i> , 2020, 8, 1900863.	1.8	18
13	Concentration Flow Cells for Efficient Salinity Gradient Energy Recovery with Nanostructured Open Framework Hexacyanoferrate Electrodes. <i>ChemistrySelect</i> , 2018, 3, 5571-5580.	0.7	17
14	Chloride-ion concentration flow cells for efficient salinity gradient energy recovery with bismuth oxichloride electrodes. <i>Electrochimica Acta</i> , 2019, 322, 134724.	2.6	16
15	Effects of biochar application with fertilizer on soil microbial biomass and greenhouse gas emissions in a peanut cropping system. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 9-19.	1.2	16
16	Effects of lead concentration and accumulation on the performance and microbial community of aerobic granular sludge in sequencing batch reactors. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2905-2915.	1.2	10
17	Concentration Flow Cells Based on Chloride-Ion Extraction and Insertion with Metal Chloride Electrodes for Efficient Salinity Gradient Energy Harvest. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15212-15218.	3.2	8
18	Mo ₂ N nanobelt cathodes for efficient hydrogen production in microbial electrolysis cells with shaped biofilm microbiome. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112491.	5.3	8

#	ARTICLE	IF	CITATIONS
19	Facile Designed Manganese Oxide/Biochar for Efficient Salinity Gradient Energy Recovery in Concentration Flow Cells and Influences of Mono/Multivalent Ions. ACS Applied Materials & Interfaces, 2021, 13, 19855-19863.	4.0	5
20	H2 Evolution Catalysts for Microbial Electrolysis Cells. ACS Symposium Series, 2020, , 27-43.	0.5	2
21	Special engines. , 2022, , 265-318.		0