Guangcai Tan

List of Publications by Year
in descending order

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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	Special engines. , 2022, , 265-318.		0
2	Effects of biochar application with fertilizer on soil microbial biomass and greenhouse gas emissions in a peanut cropping system. Environmental Technology (United Kingdom), 2021, 42, 9-19.	1.2	16
3	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
4	Polyelectrolyteâ€Coated Copper Hexacyanoferrate and Bismuth Oxychloride Electrodes for Efficient Salinity Gradient Energy Recovery in Capacitive Mixing. Energy Technology, 2020, 8, 1900863.	1.8	18
5	Mo2N nanobelt cathodes for efficient hydrogen production in microbial electrolysis cells with shaped biofilm microbiome. Biosensors and Bioelectronics, 2020, 167, 112491.	5.3	8
6	Pseudocapacitive Behaviors of Polypyrrole Grafted Activated Carbon and MnO₂ Electrodes to Enable Fast and Efficient Membrane-Free Capacitive Deionization. Environmental Science & Technology, 2020, 54, 5843-5852.	4.6	67
7	A comparative study of arsenic(V), tetracycline and nitrate ions adsorption onto magnetic biochars and activated carbon. Chemical Engineering Research and Design, 2020, 159, 582-591.	2.7	62
8	H2 Evolution Catalysts for Microbial Electrolysis Cells. ACS Symposium Series, 2020, , 27-43.	0.5	2
9	Chloride-ion concentration flow cells for efficient salinity gradient energy recovery with bismuth oxychloride electrodes. Electrochimica Acta, 2019, 322, 134724.	2.6	16
10	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. Environmental Science and Pollution Research, 2019, 26, 21609-21618.	2.7	28
11	Resource recovery microbial fuel cells for urine-containing wastewater treatment without external energy consumption. Chemical Engineering Journal, 2019, 373, 1072-1080.	6.6	80
12	Carbonized peat moss electrodes for efficient salinity gradient energy recovery in a capacitive concentration flow cell. Electrochimica Acta, 2019, 294, 240-248.	2.6	19
13	Biochar amendment with fertilizers increases peanut N uptake, alleviates soil N2O emissions without affecting NH3 volatilization in field experiments. Environmental Science and Pollution Research, 2018, 25, 8817-8826.	2.7	44
14	Concentration Flow Cells Based on Chloride-Ion Extraction and Insertion with Metal Chloride Electrodes for Efficient Salinity Gradient Energy Harvest. ACS Sustainable Chemistry and Engineering, 2018, 6, 15212-15218.	3.2	8
15	Concentration Flow Cells for Efficient Salinity Gradient Energy Recovery with Nanostructured Open Framework Hexacyanoferrate Electrodes. ChemistrySelect, 2018, 3, 5571-5580.	0.7	17
16	Enhanced power generation and wastewater treatment in sustainable biochar electrodes based bioelectrochemical system. Bioresource Technology, 2017, 241, 841-848.	4.8	51
17	Vegetable yields and soil biochemical properties as influenced by fertilization in Southern China. Applied Soil Ecology, 2016, 107, 170-181.	2.1	31
18	Effect of biochar additions to soil on nitrogen leaching, microbial biomass and bacterial community structure. European Journal of Soil Biology, 2016, 74, 1-8.	1.4	839

#	Article	IF	Citations
19	Effects of lead concentration and accumulation on the performance and microbial community of aerobic granular sludge in sequencing batch reactors. Environmental Technology (United Kingdom), 2016, 37, 2905-2915.	1.2	10
20	Sorption of mercury (II) and atrazine by biochar, modified biochars and biochar based activated carbon in aqueous solution. Bioresource Technology, 2016, 211, 727-735.	4.8	286
21	Influence of biochar on sorption, leaching and dissipation of bisphenol A and 17Î±-ethynylestradiol in soil. Environmental Sciences: Processes and Impacts, 2015, 17, 1722-1730.	1.7	19