

# Teng Cai

## List of Publications by Year in descending order

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20  
papers

897  
citations

623188

14  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate radicals-based advanced oxidation technology in various environmental remediation: A state-of-the-art review. <i>Chemical Engineering Journal</i> , 2020, 402, 126232.	6.6	234
2	Application of advanced anodes in microbial fuel cells for power generation: A review. <i>Chemosphere</i> , 2020, 248, 125985.	4.2	133
3	Combination and performance of forward osmosis and membrane distillation (FO-MD) for treatment of high salinity landfill leachate. <i>Desalination</i> , 2017, 420, 99-105.	4.0	83
4	Enhanced performance of microbial fuel cells by electrospinning carbon nanofibers hybrid carbon nanotubes composite anode. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3088-3098.	3.8	80
5	Enhancing oxygen reduction reaction of supercapacitor microbial fuel cells with electrospun carbon nanofibers composite cathode. <i>Chemical Engineering Journal</i> , 2019, 371, 544-553.	6.6	65
6	Enhancing rejection performance of tetracycline resistance genes by a TiO <sub>2</sub> /AgNPs-modified nanofiber forward osmosis membrane. <i>Chemical Engineering Journal</i> , 2020, 382, 123052.	6.6	40
7	Electrospun polysulfone (PSf)/titanium dioxide (TiO <sub>2</sub> ) nanocomposite fibers as substrates to prepare thin film forward osmosis membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2090-2097.	1.6	38
8	Comparison of electrochemical performances and microbial community structures of two photosynthetic microbial fuel cells. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 551-558.	1.1	34
9	Nanofiber composite forward osmosis (NCFO) membranes for enhanced antibiotics rejection: Fabrication, performance, mechanism, and simulation. <i>Journal of Membrane Science</i> , 2020, 595, 117425.	4.1	31
10	Electrochemical performance and community structure in three microbial fuel cells treating landfill leachate. <i>Chemical Engineering Research and Design</i> , 2018, 113, 378-387.	2.7	25
11	Spatial distribution and nitrogen metabolism behaviors of anammox biofilms in bioelectrochemical system regulated by continuous/intermittent weak electrical stimulation. <i>Journal of Cleaner Production</i> , 2022, 336, 130486.	4.6	22
12	Simultaneous energy harvest and nitrogen removal using a supercapacitor microbial fuel cell. <i>Environmental Pollution</i> , 2020, 266, 115154.	3.7	19
13	Performance of simultaneous wastewater reuse and seawater desalination by PAO-LPRO process. <i>Separation and Purification Technology</i> , 2018, 201, 276-282.	3.9	16
14	Microbial mechanism underlying high methane production of coupled alkali-microwave H <sub>2</sub> O <sub>2</sub> oxidation pretreated sewage sludge by in-situ bioelectrochemical regulation. <i>Journal of Cleaner Production</i> , 2021, 305, 127195.	4.6	16
15	Anaerobic bioconversion of petrochemical wastewater to biomethane in a semi-continuous bioreactor: Biodegradability, mineralization behaviors and methane productivity. <i>Bioresource Technology</i> , 2020, 304, 123005.	4.8	14
16	Electrochemically active microorganisms sense charge transfer resistance for regulating biofilm electroactivity, spatio-temporal distribution, and catabolic pathway. <i>Chemical Engineering Journal</i> , 2022, 442, 136248.	6.6	14
17	Clarifying catalytic behaviors and electron transfer routes of electroactive biofilm during bioelectroconversion of CO <sub>2</sub> to CH <sub>4</sub> . <i>Fuel</i> , 2022, 310, 122450.	3.4	13
18	Electricity generation and pollutants removal of landfill leachate by osmotic microbial fuel cells with different forward osmosis membranes. <i>Sustainable Environment Research</i> , 2021, 31, .	2.1	10

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19	Removal of Tetracycline Resistance and Bacteria Diversity Changes by Advanced Membrane Process. Journal of Environmental Engineering, ASCE, 2019, 145, .	0.7	7
20	Effect of Membrane Thickness on Properties of FO Membranes with Nanofibrous Substrate. IOP Conference Series: Earth and Environmental Science, 2018, 170, 052005.	0.2	3