Tingzhen Mu

List of Publications by Year
in descending order

24 papers	396 citations	933447 10 h-index	752698 20 g-index
27 all docs	27 docs citations	27 times ranked	479 citing authors

#	Article	IF	Citations
1	Recent advances in biocatalysts engineering for polyethylene terephthalate plastic waste green recycling. Environment International, 2020, 145, 106144.	10.0	116
2	Efficient production of succinic acid from Palmaria palmata hydrolysate by metabolically engineered Escherichia coli. Bioresource Technology, 2016, 214, 653-659.	9.6	45
3	Efficient degradation of rhodamine B using modified graphite felt gas diffusion electrode by electro-Fenton process. Environmental Science and Pollution Research, 2016, 23, 11574-11583.	5.3	40
4	Effective degradation of rhodamine B by electro-Fenton process, using ferromagnetic nanoparticles loaded on modified graphite felt electrode as reusable catalyst: in neutral pH condition and without external aeration. Environmental Science and Pollution Research, 2016, 23, 15471-15482.	5.3	26
5	Performance and characteristic of a haloalkaliphilic bio-desulfurizing system using Thioalkalivibrio verustus D301 for efficient removal of H2S. Biochemical Engineering Journal, 2021, 165, 107812.	3.6	19
6	Complete genome sequence of Thialkalivibrio versutus D301 isolated from Soda Lake in northern China, a typical strain with great ability to oxidize sulfide. Journal of Biotechnology, 2016, 227, 21-22.	3.8	18
7	Effective production of succinic acid from coconut water (Cocos nucifera) by metabolically engineered Escherichia coli with overexpression of Bacillus subtilis pyruvate carboxylase. Biotechnology Reports (Amsterdam, Netherlands), 2019, 24, e00378.	4.4	14
8	Improving confirmed nanometric sulfur bioproduction using engineered Thioalkalivibrio versutus. Bioresource Technology, 2020, 317, 124018.	9.6	14
9	Enhanced growth-driven stepwise inducible expression system development in haloalkaliphilic desulfurizing Thioalkalivibrio versutus. Bioresource Technology, 2019, 288, 121486.	9.6	13
10	Recent advances in microbial capture of hydrogen sulfide from sour gas via sulfurâ€oxidizing bacteria. Engineering in Life Sciences, 2021, 21, 693-708.	3.6	12
11	Sulfate reduction by a haloalkaliphilic bench-scale sulfate-reducing bioreactor and its bacterial communities at different depths. Biochemical Engineering Journal, 2019, 147, 100-109.	3.6	10
12	Desulfurization with Thialkalivibrio versutus immobilized on magnetic nanoparticles modified with 3-aminopropyltriethoxysilane. Biotechnology Letters, 2017, 39, 865-871.	2.2	9
13	Systematically redesigning and optimizing the expression of D-lactate dehydrogenase efficiently produces high-optical-purity D-lactic acid in Saccharomyces cerevisiae. Biochemical Engineering Journal, 2019, 144, 217-226.	3.6	9
14	Revealing sulfate role in empowering the sulfur-oxidizing capacity of Thioalkalivibrio versutus D301 for an enhanced desulfurization process. Bioresource Technology, 2021, 337, 125367.	9.6	9
15	Improvement of desulfurizing activity of haloalkaliphilic Thialkalivibrio versutus SOB306 with the expression of Vitreoscilla hemoglobin gene. Biotechnology Letters, 2017, 39, 447-452.	2.2	8
16	Degradation of Rhodamine B at neutral pH using modified sponge iron as a heterogeneous electroâ€Fenton catalyst. Environmental Progress and Sustainable Energy, 2018, 37, 989-995.	2.3	7
17	Succinate Production with Metabolically Engineered Escherichia coli Using Elephant Grass Stalk (Pennisetum purpureum) Hydrolysate as Carbon Source. Waste and Biomass Valorization, 2020, 11, 1717-1725.	3.4	6
18	Efficient rhodamine B degradation using electroâ€fenton process with PbO₂â€coated titanium as the anode. Environmental Progress and Sustainable Energy, 2019, 38, 189-197.	2.3	5

#	Article	IF	Citations
19	Composition and key-influencing factors of bacterial communities active in sulfur cycling of soda lake sediments. Archives of Microbiology, 2022, 204, 317.	2.2	5
20	Enhanced Biodesulfurization with a Microbubble Strategy in an Airlift Bioreactor with Haloalkaliphilic Bacterium <i>Thioalkalivibrio versutus</i> D306. ACS Omega, 2022, 7, 15518-15528.	3.5	4
21	Deep and high-efficiency removal of sulfate through a coupling system with sulfate-reducing and sulfur-oxidizing capacity under haloalkaliphilic condition. Bioprocess and Biosystems Engineering, 2020, 43, 1009-1015.	3.4	3
22	Rate-based model for predicting and evaluating H2S absorption in the haloalkaliphilic biological desulfurization process. Journal of Industrial and Engineering Chemistry, 2022, 110, 479-490.	5.8	2
23	Switch on a more efficient pyruvate synthesis pathway based on transcriptome analysis and metabolic evolution. Journal of Bioscience and Bioengineering, 2017, 124, 523-527.	2.2	1
24	Solubility of H2S under Haloalkaliphilic Conditions: Experimental Measurement and Modeling with the Electrolyte NRTL Equation. Industrial & Engineering Chemistry Research, 2021, 60, 9304-9312.	3.7	1