

Tingzhen Mu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3266461/publications.pdf>

Version: 2024-02-01

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	Rate-based model for predicting and evaluating H ₂ S absorption in the haloalkaliphilic biological desulfurization process. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 110, 479-490.	5.8	2
2	Enhanced Biodesulfurization with a Microbubble Strategy in an Airlift Bioreactor with Haloalkaliphilic Bacterium <i>Thioalkalivibrio versutus</i> D306. <i>ACS Omega</i> , 2022, 7, 15518-15528.	3.5	4
3	Composition and key-influencing factors of bacterial communities active in sulfur cycling of soda lake sediments. <i>Archives of Microbiology</i> , 2022, 204, 317.	2.2	5
4	Performance and characteristic of a haloalkaliphilic bio-desulfurizing system using <i>Thioalkalivibrio verustus</i> D301 for efficient removal of H ₂ S. <i>Biochemical Engineering Journal</i> , 2021, 165, 107812.	3.6	19
5	Solubility of H ₂ S under Haloalkaliphilic Conditions: Experimental Measurement and Modeling with the Electrolyte NRTL Equation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9304-9312.	3.7	1
6	Recent advances in microbial capture of hydrogen sulfide from sour gas via sulfur-oxidizing bacteria. <i>Engineering in Life Sciences</i> , 2021, 21, 693-708.	3.6	12
7	Revealing sulfate role in empowering the sulfur-oxidizing capacity of <i>Thioalkalivibrio versutus</i> D301 for an enhanced desulfurization process. <i>Bioresource Technology</i> , 2021, 337, 125367.	9.6	9
8	Succinate Production with Metabolically Engineered <i>Escherichia coli</i> Using Elephant Grass Stalk (<i>Pennisetum purpureum</i>) Hydrolysate as Carbon Source. <i>Waste and Biomass Valorization</i> , 2020, 11, 1717-1725.	3.4	6
9	Recent advances in biocatalysts engineering for polyethylene terephthalate plastic waste green recycling. <i>Environment International</i> , 2020, 145, 106144.	10.0	116
10	Improving confirmed nanometric sulfur bioproduction using engineered <i>Thioalkalivibrio versutus</i> . <i>Bioresource Technology</i> , 2020, 317, 124018.	9.6	14
11	Deep and high-efficiency removal of sulfate through a coupling system with sulfate-reducing and sulfur-oxidizing capacity under haloalkaliphilic condition. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1009-1015.	3.4	3
12	Efficient rhodamine B degradation using electro-Fenton process with PbO ₂ -coated titanium as the anode. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 189-197.	2.3	5
13	Effective production of succinic acid from coconut water (<i>Cocos nucifera</i>) by metabolically engineered <i>Escherichia coli</i> with overexpression of <i>Bacillus subtilis</i> pyruvate carboxylase. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00378.	4.4	14
14	Enhanced growth-driven stepwise inducible expression system development in haloalkaliphilic desulfurizing <i>Thioalkalivibrio versutus</i> . <i>Bioresource Technology</i> , 2019, 288, 121486.	9.6	13
15	Sulfate reduction by a haloalkaliphilic bench-scale sulfate-reducing bioreactor and its bacterial communities at different depths. <i>Biochemical Engineering Journal</i> , 2019, 147, 100-109.	3.6	10
16	Systematically redesigning and optimizing the expression of D-lactate dehydrogenase efficiently produces high-optical-purity D-lactic acid in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , 2019, 144, 217-226.	3.6	9
17	Degradation of Rhodamine B at neutral pH using modified sponge iron as a heterogeneous electro-Fenton catalyst. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 989-995.	2.3	7
18	Desulfurization with <i>Thioalkalivibrio versutus</i> immobilized on magnetic nanoparticles modified with 3-aminopropyltriethoxysilane. <i>Biotechnology Letters</i> , 2017, 39, 865-871.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Improvement of desulfurizing activity of haloalkaliphilic <i>Thi alkalivibrio versutus</i> SOB306 with the expression of <i>Vitreoscilla</i> hemoglobin gene. <i>Biotechnology Letters</i> , 2017, 39, 447-452.	2.2	8
20	Switch on a more efficient pyruvate synthesis pathway based on transcriptome analysis and metabolic evolution. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 523-527.	2.2	1
21	Efficient degradation of rhodamine B using modified graphite felt gas diffusion electrode by electro-Fenton process. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11574-11583.	5.3	40
22	Complete genome sequence of <i>Thi alkalivibrio versutus</i> D301 isolated from Soda Lake in northern China, a typical strain with great ability to oxidize sulfide. <i>Journal of Biotechnology</i> , 2016, 227, 21-22.	3.8	18
23	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. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15471-15482.	5.3	26
24	Efficient production of succinic acid from <i>Palmaria palmata</i> hydrolysate by metabolically engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2016, 214, 653-659.	9.6	45