

Luguang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

906
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary expansion of a <i>Sorangium cellulosum</i> genome from an alkaline milieu. <i>Scientific Reports</i> , 2013, 3, 2101.	3.3	143
2	Prediction of anaerobic digestion performance and identification of critical operational parameters using machine learning algorithms. <i>Bioresource Technology</i> , 2020, 298, 122495.	9.6	119
3	Electrocatalytic Hydrogen Evolution in Neutral pH Solutions: Dual-Phase Synergy. <i>ACS Catalysis</i> , 2019, 9, 8712-8718.	11.2	103
4	Predicting the performance of anaerobic digestion using machine learning algorithms and genomic data. <i>Water Research</i> , 2021, 199, 117182.	11.3	73
5	A 3D porous NCNT sponge anode modified with chitosan and Polyaniline for high-performance microbial fuel cell. <i>Bioelectrochemistry</i> , 2019, 129, 144-153.	4.6	59
6	Linking internal resistance with design and operation decisions in microbial electrolysis cells. <i>Environment International</i> , 2019, 126, 611-618.	10.0	59
7	Performance prediction of ZVI-based anaerobic digestion reactor using machine learning algorithms. <i>Waste Management</i> , 2021, 121, 59-66.	7.4	56
8	Impact of tobramycin on the performance of microbial fuel cell. <i>Microbial Cell Factories</i> , 2014, 13, 91.	4.0	41
9	Selective inhibition of methanogenesis by acetylene in single chamber microbial electrolysis cells. <i>Bioresource Technology</i> , 2019, 274, 557-560.	9.6	35
10	Breaking the loop: Tackling homoacetogenesis by chloroform to halt hydrogen production-consumption loop in single chamber microbial electrolysis cells. <i>Chemical Engineering Journal</i> , 2020, 389, 124436.	12.7	30
11	Hydrogen production from lignocellulosic hydrolysate in an up-scaled microbial electrolysis cell with stacked bio-electrodes. <i>Bioresource Technology</i> , 2021, 320, 124314.	9.6	28
12	Revealing the impact of hydrogen production-consumption loop against efficient hydrogen recovery in single chamber microbial electrolysis cells (MECs). <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13064-13071.	7.1	26
13	Impact of nano-TiO ₂ on horizontal transfer of resistance genes mediated by filamentous phage transduction. <i>Environmental Science: Nano</i> , 2020, 7, 1214-1224.	4.3	26
14	Urea removal coupled with enhanced electricity generation in single-chambered microbial fuel cells. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20401-20408.	5.3	24
15	Anaerobically photoreductive degradation by CdS nanocrystal: Biofabrication process and bioelectron-driven reaction coupled with <i>Shewanella oneidensis</i> MR-1. <i>Biochemical Engineering Journal</i> , 2020, 154, 107466.	3.6	20
16	Improved Simultaneous Decolorization and Power Generation in a Microbial Fuel Cell with the Sponge Anode Modified by Polyaniline and Chitosan. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 698-718.	2.9	18
17	Scaling-up up-flow microbial electrolysis cells with a compact electrode configuration for continuous hydrogen production. <i>Bioresource Technology</i> , 2021, 331, 125030.	9.6	17
18	Enhanced redox conductivity and enriched <i>Geobacteraceae</i> of exoelectrogenic biofilms in response to static magnetic field. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7611-7621.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Anaerobic reduction of high-polarity nitroaromatic compounds by electrochemically active bacteria: Roles of Mtr respiratory pathway, molecular polarity, mediator and membrane permeability. Environmental Pollution, 2021, 268, 115943.	7.5	10
20	Accelerated tests for evaluating the air-cathode aging in microbial fuel cells. Bioresource Technology, 2020, 297, 122479.	9.6	4