Zhisheng Yu

List of Publications by Year
in descending order

31	829	516561 16	501076 28
papers	citations	h-index	g-index

33	33	33	806
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pyrosequencing reveals the dominance of methylotrophic methanogenesis in a coal bed methane reservoir associated with Eastern Ordos Basin in China. International Journal of Coal Geology, 2012, 93, 56-61.	1.9	95
2	Production and characterization of surfactin-like biosurfactant produced by novel strain Bacillus nealsonii S2MT and it's potential for oil contaminated soil remediation. Microbial Cell Factories, 2020, 19, 145.	1.9	79
3	Microbial diversity and biogenic methane potential of a thermogenic-gas coal mine. International Journal of Coal Geology, 2014, 134-135, 96-107.	1.9	51
4	Methylotrophic methanogenesis governs the biogenic coal bed methane formation in Eastern Ordos Basin, China. Applied Microbiology and Biotechnology, 2012, 96, 1587-1597.	1.7	49
5	Effect of natural microbiome and culturable biosurfactants-producing bacterial consortia of freshwater lake on petroleum-hydrocarbon degradation. Science of the Total Environment, 2021, 751, 141720.	3.9	47
6	Ethanol fermentation of acid-hydrolyzed cellulosic pyrolysate with Saccharomyces cerevisiae. Bioresource Technology, 2003, 90, 95-100.	4.8	43
7	Phylogenetic diversity of microbial communities associated with coalbed methane gas from Eastern Ordos Basin, China. International Journal of Coal Geology, 2015, 150-151, 120-126.	1.9	36
8	Microbial Diversity and Abundance in a Representative Small-Production Coal Mine of Central China. Energy & Fuels, 2013, 27, 3821-3829.	2.5	33
9	Bioconversion of coal to methane by microbial communities from soil and from an opencast mine in the Xilingol grassland of northeast China. Biotechnology for Biofuels, 2019, 12, 236.	6.2	33
10	Cloning of a novel levoglucosan kinase gene from Lipomyces starkeyi and its expression in Escherichia coli. World Journal of Microbiology and Biotechnology, 2009, 25, 1589-1595.	1.7	31
11	Microbial communities from the Huaibei Coalfield alter the physicochemical properties of coal in methanogenic bioconversion. International Journal of Coal Geology, 2019, 202, 85-94.	1.9	26
12	How does biochar amendment affect soil methane oxidation? A review. Journal of Soils and Sediments, 2021, 21, 1575-1586.	1.5	25
13	Microbial distribution and variation in produced water from separators to storage tanks of shale gas wells in Sichuan Basin, China. Environmental Science: Water Research and Technology, 2017, 3, 340-351.	1.2	24
14	Seasonal Changes in Bacterial Communities Cause Foaming in a Wastewater Treatment Plant. Microbial Ecology, 2016, 71, 660-671.	1.4	21
15	Mathematical modeling of the fermentation of acid-hydrolyzed pyrolytic sugars to ethanol by the engineered strain Escherichia coli ACCC 11177. Applied Microbiology and Biotechnology, 2015, 99, 4093-4105.	1.7	19
16	Purification and characterization of levoglucosan kinase from Lipomyces starkeyi YZ-215. World Journal of Microbiology and Biotechnology, 2008, 24, 15-22.	1.7	16
17	Proteomic and metabolomic analysis of the cellular biomarkers related to inhibitors tolerance in Zymomonas mobilis ZM4. Biotechnology for Biofuels, 2018, 11, 283.	6.2	14
18	Habitat filtering shapes the differential structure of microbial communities in the Xilingol grassland. Scientific Reports, 2019, 9, 19326.	1.6	14

#	Article	IF	Citations
19	Evaluation of di-rhamnolipid biosurfactants production by a novel Pseudomonas sp. S1WB: Optimization, characterization and effect on petroleum-hydrocarbon degradation. Ecotoxicology and Environmental Safety, 2022, 242, 113892.	2.9	13
20	Biomass pyrolysis liquid to citric acid via 2-step bioconversion. Microbial Cell Factories, 2014, 13, 182.	1.9	11
21	Gut region induces gastrointestinal microbiota community shift in Ujimqin sheep (<scp>Ovis) Tj ETQq1 1 0.784314 rgBT /Overloc	1.8	10
22	Conversion efficiency of bioethanol from levoglucosan was improved by the newly engineered <scp>Escherichia coli</scp>. Environmental Progress and Sustainable Energy, 2021, 40, e13687.	1.3	8
23	Response of soil bacterial communities to moisture and grazing in the Tibetan alpine steppes on a small spatial scale. Geomicrobiology Journal, 2019, 36, 559-569.	1.0	6
24	Assessing the Effect of Physicochemical Properties of Saline and Sodic Soil on Soil Microbial Communities. Agriculture (Switzerland), 2022, 12, 782.	1.4	6
25	Regeneration of unconventional natural gas by methanogens co-existing with sulfate-reducing prokaryotes in deep shale wells in China. Scientific Reports, 2020, 10, 16042.	1.6	5
26	Deciphering the initial products of coal during methanogenic bioconversion: Based on an untargeted metabolomics approach. GCB Bioenergy, 2021, 13, 967-978.	2.5	5
27	Inhibitor tolerance and bioethanol fermentability of levoglucosan-utilizing Escherichia coli were enhanced by overexpression of stress-responsive gene ycfR: The proteomics-guided metabolic engineering. Synthetic and Systems Biotechnology, 2021, 6, 384-395.	1.8	5
28	Enhanced straw fermentation process based on microbial electrolysis cell coupled anaerobic digestion. Chinese Journal of Chemical Engineering, 2022, 44, 239-245.	1.7	4
29	Study on Adsorption of As(III) by a New Bio-Material from Chitin Pyrolysis. Water (Switzerland), 2021, 13, 2944.	1.2	4
30	Only mass migration of fungi runs through the biotopes of soil, phyllosphere, and feces. Journal of Soils and Sediments, 2021, 21, 1151-1164.	1.5	2
31	Omics analysis coupled with gene editing revealed potential transporters and regulators related to levoglucosan metabolism efficiency of the engineered Escherichia coli. , 2022, 15, 2.		0