

Ruiyong Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

751
citations

17
h-index

24
g-index

66
ext. papers

989
ext. citations

4.1
avg, IF

4.17
L-index

#	Paper	IF	Citations
61	Sulfur oxidation activities of pure and mixed thermophiles and sulfur speciation in bioleaching of chalcopyrite. <i>Bioresource Technology</i> , 2011 , 102, 3877-82	11	69
60	Manipulation of pyrite colonization and leaching by iron-oxidizing Acidithiobacillus species. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 1435-49	5.7	42
59	Characterization of exopolymeric substances (EPS) produced by <i>Aeromonas hydrophila</i> under reducing conditions. <i>Biofouling</i> , 2014 , 30, 501-11	3.3	39
58	Use of lectins to in situ visualize glycoconjugates of extracellular polymeric substances in acidophilic archaeal biofilms. <i>Microbial Biotechnology</i> , 2015 , 8, 448-61	6.3	37
57	Colonization and biofilm formation of the extremely acidophilic archaeon <i>Ferroplasma acidiphilum</i> . <i>Hydrometallurgy</i> , 2014 , 150, 245-252	4	36
56	Biodegradation of di-n-butyl phthalate by <i>Rhodococcus</i> sp. JDC-11 and molecular detection of 3, 4-phthalate dioxygenase gene. <i>Journal of Microbiology and Biotechnology</i> , 2010 , 20, 1440-5	3.3	32
55	Combined effects of jarosite and visible light on chalcopyrite dissolution mediated by <i>Acidithiobacillus ferrooxidans</i> . <i>Science of the Total Environment</i> , 2020 , 698, 134175	10.2	31
54	Visualization and analysis of EPS glycoconjugates of the thermoacidophilic archaeon <i>Sulfolobus metallicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 7343-56	5.7	27
53	Biofilm dynamics and EPS production of a thermoacidophilic bioleaching archaeon. <i>New Biotechnology</i> , 2019 , 51, 21-30	6.4	26
52	Microbiologically influenced corrosion of marine steels within the interaction between steel and biofilms: a brief view. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 515-525	5.7	24
51	Bioleaching of cobalt from Cu/Co-rich sulfidic mine tailings from the polymetallic Rammelsberg mine, Germany. <i>Hydrometallurgy</i> , 2020 , 197, 105443	4	24
50	A novel acidophilic, thermophilic iron and sulfur-oxidizing archaeon isolated from a hot spring of tengchong, yunnan, China. <i>Brazilian Journal of Microbiology</i> , 2011 , 42, 514-525	2.2	22
49	Comparative study on effects of Tween-80 and sodium isobutyl-xanthate on growth and sulfur-oxidizing activities of <i>Acidithiobacillus albertensis</i> BY-05. <i>Transactions of Nonferrous Metals Society of China</i> , 2008 , 18, 1003-1007	3.3	22
48	Sulfur activation-related extracellular proteins of <i>Acidithiobacillus ferrooxidans</i> . <i>Transactions of Nonferrous Metals Society of China</i> , 2008 , 18, 1398-1402	3.3	22
47	Effects of copper exposure on expression of glutathione-related genes in <i>Acidithiobacillus ferrooxidans</i> . <i>Current Microbiology</i> , 2011 , 62, 1460-6	2.4	18
46	Insight Into Interactions of Thermoacidophilic Archaea With Elemental Sulfur: Biofilm Dynamics and EPS Analysis. <i>Frontiers in Microbiology</i> , 2019 , 10, 896	5.7	17
45	Enhancement of Biofilm Formation on Pyrite by <i>Sulfobacillus thermosulfidooxidans</i> . <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 71	2.4	17

44	Study and assessment of microbial communities in natural and commercial bioleaching systems. <i>Minerals Engineering</i> , 2015 , 81, 167-172	4.9	16
43	A new strain <i>Leptospirillum ferriphilum</i> YTW315 for bioleaching of metal sulfides ores. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 135-141	3.3	16
42	Isolation and characterization of a novel <i>Acidithiobacillus ferrivorans</i> strain from the Chilean Altiplano: attachment and biofilm formation on pyrite at low temperature. <i>Research in Microbiology</i> , 2014 , 165, 782-93	4	14
41	Production of Chitinase and its Optimization from a Novel Isolate <i>Serratia marcescens</i> XJ-01. <i>Indian Journal of Microbiology</i> , 2011 , 51, 301-6	3.7	14
40	Metagenomic Resolution of Functional Diversity in Copper Surface-Associated Marine Biofilms. <i>Frontiers in Microbiology</i> , 2019 , 10, 2863	5.7	14
39	Investigation on adhesion of <i>Sulfobacillus thermosulfidooxidans</i> via atomic force microscopy equipped with mineral probes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 639-646	6	12
38	Comparative Analysis of Attachment to Chalcopyrite of Three Mesophilic Iron and/or Sulfur-Oxidizing Acidophiles. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 406	2.4	12
37	Interactions Between Cells of and During Pyrite Bioleaching. <i>Frontiers in Microbiology</i> , 2020 , 11, 44	5.7	11
36	Adhesion to Mineral Surfaces by Cells of <i>Leptospirillum</i> , <i>Acidithiobacillus</i> and <i>Sulfobacillus</i> from Armenian Sulfide Ores. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 69	2.4	10
35	Biofilm formation and interspecies interactions in mixed cultures of thermo-acidophilic archaea <i>Acidianus</i> spp. and <i>Sulfolobus metallicus</i> . <i>Research in Microbiology</i> , 2016 , 167, 604-12	4	10
34	Diversity of bacteria and archaea in the groundwater contaminated by chlorinated solvents undergoing natural attenuation. <i>Environmental Research</i> , 2020 , 185, 109457	7.9	9
33	Effect of elevated pressure on ferric iron reduction coupled to sulfur oxidation by biomining microorganisms. <i>Hydrometallurgy</i> , 2018 , 178, 215-223	4	8
32	The Biofilm Lifestyle of Acidophilic Metal/Sulfur-Oxidizing Microorganisms. <i>Grand Challenges in Biology and Biotechnology</i> , 2016 , 177-213	2.4	8
31	Thiol-Rich Proteins Play Important Role in Adhesion and Sulfur Oxidation Process of <i>Acidithiobacillus ferroxidans</i> . <i>Advanced Materials Research</i> , 2013 , 825, 137-140	0.5	7
30	<i>Euonymus japonicus</i> phyllosphere microbiome is significantly changed by powdery mildew. <i>Archives of Microbiology</i> , 2019 , 201, 1099-1109	3	6
29	Screening and characterization of <i>Acidiphilium</i> sp. PJH and its role in bioleaching. <i>Transactions of Nonferrous Metals Society of China</i> , 2008 , 18, 1443-1449	3.3	6
28	Influence of <i>Sulfobacillus thermosulfidooxidans</i> on Initial Attachment and Pyrite Leaching by Thermoacidophilic Archaeon <i>Acidianus</i> sp. DSM 29099. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 76	2.4	6
27	Isolation and characterization of acidophilic bacterium from Dongxiangshan Mine in Xinjiang Province, China. <i>Central South University</i> , 2010 , 17, 50-55		5

26	A novel acidophilic, thermophilic iron and sulfur-oxidizing archaeon isolated from a hot spring of tengchong, yunnan, China. <i>Brazilian Journal of Microbiology</i> , 2011 , 42, 514-25	2.2	5
25	Interactions of the extremely acidophilic archaeon <i>Ferroplasma acidiphilum</i> with acidophilic bacteria during pyrite bioleaching. <i>Applied Environmental Biotechnology</i> , 2016 , 1, 43	1.8	5
24	Reduction of Iron(III) Ions at Elevated Pressure by Acidophilic Microorganisms. <i>Solid State Phenomena</i> , 2017 , 262, 88-92	0.4	4
23	Newly Isolated sp. Ksh From Kashen Copper Ore: Peculiarities of EPS and Colloidal Exopolysaccharide. <i>Frontiers in Microbiology</i> , 2020 , 11, 1802	5.7	4
22	Biofilm Formation and Extracellular Polymeric Substances (EPS) Analysis by New Isolates of <i>Leptospirillum</i> , <i>Acidithiobacillus</i> and <i>Sulfobacillus</i> from Armenia. <i>Advanced Materials Research</i> , 2015 , 1130, 153-156	0.5	3
21	Differential expression of genes encoding sulfur metabolism-related periplasmic proteins of <i>Acidithiobacillus ferrooxidans</i> ATCC 23270. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2366-2370	3.3	3
20	Purification and characterization of extracellular chitinase from a novel strain <i>Aspergillus fumigatus</i> CS-01. <i>Central South University</i> , 2009 , 16, 552-557		3
19	The Effect of Metal Ions on the Growth and Ferrous Iron Oxidation by <i>Leptospirillum ferriphilum</i> CC Isolated from Armenia Mine Sites. <i>Metals</i> , 2021 , 11, 425	2.3	3
18	Impact of Short-Term Fasting on The Rhythmic Expression of the Core Circadian Clock and Clock-Controlled Genes in Skeletal Muscle of Crucian Carp (). <i>Genes</i> , 2018 , 9,	4.2	3
17	sp. nov., an acidophilic bacterium inhabiting mine tailings from a polymetallic mine. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021 , 71,	2.2	3
16	Stirred-tank bioleaching of copper and cobalt from mine tailings in Chile. <i>Minerals Engineering</i> , 2022 , 180, 107514	4.9	3
15	Corrosion of an AZ31B Magnesium Alloy by Sulfate-Reducing Prokaryotes in a Mudflat Environment. <i>Microorganisms</i> , 2022 , 10, 839	4.9	3
14	Initial Attachment and Biofilm Formation of a Novel Crenarchaeote on Mineral Sulfides. <i>Advanced Materials Research</i> , 2015 , 1130, 127-130	0.5	2
13	The effect of energy substrates on PHB accumulation of <i>Acidiphilium cryptum</i> DX1-1. <i>Current Microbiology</i> , 2013 , 67, 379-87	2.4	2
12	Attachment to Minerals and Biofilm Development of Extremely Acidophilic Archaea. <i>Advanced Materials Research</i> , 2013 , 825, 103-106	0.5	2
11	Interspecies Interactions of Metal-Oxidizing Thermo-Acidophilic Archaea <i>Acidianus</i> and <i>Sulfolobus</i> . <i>Advanced Materials Research</i> , 2015 , 1130, 105-108	0.5	2
10	Biofilm Formation of <i>Sulfobacillus thermosulfidooxidans</i> on Pyrite in the Presence of <i>Leptospirillum ferriphilum</i> . <i>Advanced Materials Research</i> , 2015 , 1130, 141-144	0.5	2
9	Arsenate and Arsenite Sorption Using Biogenic Iron Compounds: Treatment of Real Polluted Waters in Batch and Continuous Systems. <i>Metals</i> , 2021 , 11, 1608	2.3	2

8	Inadequate dosing of THPS treatment increases microbially influenced corrosion of pipeline steel by inducing biofilm growth of <i>Desulfovibrio hontreensis</i> SY-21.. <i>Bioelectrochemistry</i> , 2022 , 145, 108048	5.6	1
7	Red mud regulates arsenic fate at acidic pH via regulating arsenopyrite bio-oxidation and S, Fe, Al, Si speciation transformation. <i>Water Research</i> , 2021 , 203, 117539	12.5	1
6	Distinctive roles of graphene oxide, ZnO quantum dots, and their nanohybrids in anti-corrosion and anti-fouling performance of waterborne epoxy coatings. <i>Chemical Engineering Journal</i> , 2022 , 439, 135765	14.7	1
5	Microbiologically influenced corrosion of steel in coastal surface seawater contaminated by crude oil. <i>Npj Materials Degradation</i> , 2022 , 6,	5.7	1
4	Extracellular Polymeric Substances and Biocorrosion/Biofouling: Recent Advances and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5566	6.3	1
3	Fe(II) bio-oxidation mediates red mud transformations to form Fe(III)/Al (hydr)oxide adsorbent for efficient As(V) removal under acidic conditions. <i>Chemical Engineering Journal</i> , 2022 , 439, 135753	14.7	0
2	EPS Characterization of a Cell Wall-Lacking Archaeon <i>Ferroplasma acidiphilum</i> . <i>Solid State Phenomena</i> , 2017 , 262, 434-438	0.4	
1	Bioleaching of Chalcopyrite Waste Rock in the Presence of the Copper Solvent Extractant LIX984N.. <i>Frontiers in Microbiology</i> , 2022 , 13, 820052	5.7	