Jin-lan Xia

List of Publications by Year
in descending order

90	1,984	236612	288905
papers	citations	25 h-index	40 g-index

90	90	90	1889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement Mechanism of Stibnite Dissolution Mediated by Acidithiobacillus ferrooxidans under Extremely Acidic Condition. International Journal of Molecular Sciences, 2022, 23, 3580.	1.8	4
2	Fe(II) bio-oxidation mediates red mud transformations to form Fe(III)/Al (hydr)oxide adsorbent for efficient As(V) removal under acidic conditions. Chemical Engineering Journal, 2022, 439, 135753.	6.6	17
3	S site doped-pyrite by single atom for efficiently catalyzing N2 electrochemical reduction. Chemical Engineering Journal, 2022, 442, 136350.	6.6	4
4	Reductive dissolution of jarosite by inorganic sulfur compounds catalyzed by Acidithiobacillus thiooxidans. Hydrometallurgy, 2022, 212, 105908.	1.8	4
5	The differential effect of amorphous Î¼-S and orthorhombic É‘-S8 on chalcopyrite bioleaching by Acidithiobacillus ferrooxidans. Minerals Engineering, 2022, 184, 107660.	1.8	0
6	Biosynthesis and detection of domoic acid from diatom Pseudo- nitzschia: A review. Current Pharmaceutical Biotechnology, 2022, 23, .	0.9	0
7	Potential microalgal strains for converting flue gas CO2 into biomass. Journal of Applied Phycology, 2021, 33, 47-55.	1.5	24
8	Editorial: Bioleaching and Biocorrosion: Advances in Interfacial Processes. Frontiers in Microbiology, 2021, 12, 653029.	1.5	4
9	Effect of the surface microstructure of arsenopyrite on the attachment of Sulfobacillus thermosulfidooxidans in the presence of dissolved As(III). International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1135-1144.	2.4	3
10	Red mud regulates arsenic fate at acidic pH via regulating arsenopyrite bio-oxidation and S, Fe, Al, Si speciation transformation. Water Research, 2021, 203, 117539.	5.3	10
11	The differential inhibitive effects and fates of As(III) and As(V) mediated by Sulfobacillus thermosulfidooxidans grown on S0, Fe2+ and FeS2. Ecotoxicology and Environmental Safety, 2021, 222, 112502.	2.9	3
12	The mechanism by which FeS2 promotes the bioleaching of CuFeS2: An electrochemical and DFT study. Minerals Engineering, 2021, 173, 107233.	1.8	8
13	Correlation Between Fe/S/As Speciation Transformation and Depth Distribution of Acidithiobacillus ferrooxidans and Acidiphilium acidophilum in Simulated Acidic Water Column. Frontiers in Microbiology, 2021, 12, 819804.	1.5	1
14	Humic acid promotes arsenopyrite bio-oxidation and arsenic immobilization. Journal of Hazardous Materials, 2020, 384, 121359.	6.5	46
15	Mechanical Activation on Bioleaching of Chalcopyrite: A New Insight. Minerals (Basel, Switzerland), 2020, 10, 788.	0.8	9
16	Biogenic FeS promotes dechlorination and thus de-cytotoxity of trichloroethylene. Bioprocess and Biosystems Engineering, 2020, 43, 1791-1800.	1.7	12
17	Taking insights into phenomics of microbe-mineral interaction in bioleaching and acid mine drainage: Concepts and methodology. Science of the Total Environment, 2020, 729, 139005.	3.9	15
18	An in vitro evaluation of the effects of different statins on the structure and function of human gut bacterial community. PLoS ONE, 2020, 15, e0230200.	1.1	14

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19	Extraction of Al and rare earths (Ce, Gd, Sc, Y) from red mud by aerobic and anaerobic bi-stage bioleaching. Chemical Engineering Journal, 2020, 401, 125914.	6.6	51
20	Impact of mechanical activation on bioleaching of pyrite: A DFT study. Minerals Engineering, 2020, 148, 106209.	1.8	13
21	Pectic Enzymes. , 2019, , 270-276.		3
22	Bioleaching of chalcopyrite with different crystal phases by Acidianus manzaensis. Transactions of Nonferrous Metals Society of China, 2019, 29, 617-624.	1.7	9
23	The differential adsorption mechanism of hexahydrated iron and hydroxyl irons on a pyrite (1â€¯0â€¯0) surface: A DFT study and XPS characterization. Minerals Engineering, 2019, 138, 215-225.	1.8	37
24	Mechanism by which ferric iron promotes the bioleaching of arsenopyrite by the moderate thermophile Sulfobacillus thermosulfidooxidans. Process Biochemistry, 2019, 81, 11-21.	1.8	30
25	Extraction of Al and Ce from coal fly ash by biogenic Fe3+ and H2SO4. Chemical Engineering Journal, 2019, 370, 1407-1424.	6.6	39
26	In situ characterization of change in superficial organic components of thermoacidophilic archaeon Acidianus manzaensis YN-25. Research in Microbiology, 2018, 169, 590-597.	1.0	10
27	Synchrotron Radiation Based Study of the Catalytic Mechanism of Ag+ to Chalcopyrite Bioleaching by Mesophilic and Thermophilic Cultures. Minerals (Basel, Switzerland), 2018, 8, 382.	0.8	4
28	Combined DFT and XPS Investigation of Cysteine Adsorption on the Pyrite (1 0 0) Surface. Minerals (Basel, Switzerland), 2018, 8, 366.	0.8	13
29	The Evidence of Decisive Effect of Both Surface Microstructure and Speciation of Chalcopyrite on Attachment Behaviors of Extreme Thermoacidophile Sulfolobus metallicus. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.8	8
30	Study on catalytic mechanism of silver ions in bioleaching of chalcopyrite by SR-XRD and XANES. Hydrometallurgy, 2018, 180, 26-35.	1.8	31
31	Comparative study of S, Fe and Cu speciation transformation during chalcopyrite bioleaching by mixed mesophiles and mixed thermophiles. Minerals Engineering, 2017, 106, 22-32.	1.8	34
32	Global analysis of transcriptome sequences highlights accelerated evolution of immune genes in Danio choprae and Danio albolineatus. Fish and Shellfish Immunology, 2017, 66, 390-397.	1.6	4
33	Relatedness between catalytic effect of activated carbon and passivation phenomenon during chalcopyrite bioleaching by mixed thermophilic Archaea culture at 65 Â°C. Transactions of Nonferrous Metals Society of China, 2017, 27, 1374-1384.	1.7	22
34	Complete Genome Sequence of the Extremely Thermoacidophilic Archaeon Acidianus manzaensis YN-25. Genome Announcements, 2017, 5, .	0.8	2
35	Bioleaching of chalcopyrite by Acidianus manzaensis under different constant pH. Minerals Engineering, 2016, 98, 80-89.	1.8	32
36	Formation and evolution of secondary minerals during bioleaching of chalcopyrite by thermoacidophilic Archaea Acidianus manzaensis. Transactions of Nonferrous Metals Society of China, 2016, 26, 2485-2494.	1.7	15

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37	Pectic oligosaccharides hydrolyzed from orange peel by fungal multi-enzyme complexes and their prebiotic and antibacterial potentials. LWT - Food Science and Technology, 2016, 69, 203-210.	2.5	92
38	Saccharification of orange peel wastes with crude enzymes from new isolated Aspergillus japonicus PJ01. Bioprocess and Biosystems Engineering, 2016, 39, 485-492.	1.7	11
39	Evidence of cell surface iron speciation of acidophilic iron-oxidizing microorganisms in indirect bioleaching process. BioMetals, 2016, 29, 25-37.	1.8	11
40	Iron L-edge and sulfur K-edge XANES spectroscopy analysis of pyrite leached by Acidianus manzaensis. Transactions of Nonferrous Metals Society of China, 2015, 25, 2407-2414.	1.7	14
41	Differential utilization and speciation transformation of orthorhombic Î±-S8 and amorphous Î¼-S by substrate-acclimated mesophilic Acidithiobacillus ferrooxidans. Transactions of Nonferrous Metals Society of China, 2015, 25, 3096-3102.	1.7	6
42	Differential expression of extracellular thiol groups of moderately thermophilic Sulfobacillus thermosulfidooxidans and extremely thermophilic Acidianus manzaensis grown on S0 and Fe2+. Archives of Microbiology, 2015, 197, 823-831.	1.0	12
43	Investigation of copper, iron and sulfur speciation during bioleaching of chalcopyrite by moderate thermophile Sulfobacillus thermosulfidooxidans. International Journal of Mineral Processing, 2015, 137, 1-8.	2.6	20
44	Relatedness of Cu and Fe speciation to chalcopyrite bioleaching by Acidithiobacillus ferrooxidans. Hydrometallurgy, 2015, 156, 40-46.	1.8	37
45	Effects of Surfactants and Microwave-assisted Pretreatment of Orange Peel on Extracellular Enzymes Production by Aspergillus japonicus PJ01. Applied Biochemistry and Biotechnology, 2015, 176, 758-771.	1.4	29
46	Comparative study of multi-enzyme production from typical agro-industrial residues and ultrasound-assisted extraction of crude enzyme in fermentation with Aspergillus japonicus PJ01. Bioprocess and Biosystems Engineering, 2015, 38, 2013-2022.	1.7	24
47	Optimizing Production of Pectinase from Orange Peel by Penicillium oxalicum PJ02 Using Response Surface Methodology. Waste and Biomass Valorization, 2015, 6, 13-22.	1.8	34
48	Differential utilization and transformation of sulfur allotropes, Î¼-S and Î±-S8, by moderate thermoacidophile Sulfobacillus thermosulfidooxidans. Research in Microbiology, 2014, 165, 639-646.	1.0	13
49	The effect of iron on growth, lipid accumulation, and gene expression profile of the freshwater microalga Chlorella sorokiniana. Applied Microbiology and Biotechnology, 2014, 98, 9473-9481.	1.7	72
50	Effect of initial pH on chalcopyrite oxidation dissolution in the presence of extreme thermophile Acidianus manzaensis. Transactions of Nonferrous Metals Society of China, 2014, 24, 1890-1897.	1.7	12
51	Differential utilization of cyclic, orthorhombic Î±- and chain-like polymeric Î¼-sulfur by Acidithiobacillus ferrooxidans. Transactions of Nonferrous Metals Society of China, 2014, 24, 1562-1570.	1.7	5
52	The Effect of Energy Substrates on PHB Accumulation of Acidiphilium cryptum DX1-1. Current Microbiology, 2013, 67, 379-387.	1.0	4
53	Comparative study of sulfur utilization and speciation transformation of two elemental sulfur species by thermoacidophilic Archaea Acidianus manzaensis YN-25. Process Biochemistry, 2013, 48, 1855-1860.	1.8	22
54	Achieving high throughput sequencing of a cDNA library utilizing an alternative protocol for the bench top next-generation sequencing system. Journal of Microbiological Methods, 2013, 92, 122-126.	0.7	2

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55	Thermophilic archaeal community succession and function change associated with the leaching rate in bioleaching of chalcopyrite. Bioresource Technology, 2013, 133, 405-413.	4.8	28
56	Effects of simulated flue gases on growth and lipid production of Chlorella sorokiniana CS-01. Journal of Central South University, 2013, 20, 730-736.	1.2	15
57	Synchrotron radiation based STXM analysis and micro-XRF mapping of differential expression of extracellular thiol groups by Acidithiobacillus ferrooxidans grown on Fe2+ and S0. Journal of Microbiological Methods, 2013, 94, 257-261.	0.7	20
58	Effect of surfactant Tween-80 on sulfur oxidation and expression of sulfur metabolism relevant genes of Acidithiobacillus ferrooxidans. Transactions of Nonferrous Metals Society of China, 2012, 22, 3147-3155.	1.7	42
59	Sulfur speciation transformation during bioleaching of pyrite-containing sphalerite concentrate by thermophile Sulfolobus metallicus at 65 Â°C. Journal of Central South University, 2012, 19, 1961-1966.	1.2	7
60	Analysis of sulfur speciation on chalcopyrite surface bioleached with Acidithiobacillus ferrooxidans. Minerals Engineering, 2012, 27-28, 60-64.	1.8	18
61	A novel acidophilic, thermophilic iron and sulfur-oxidizing archaeon isolated from a hot spring of tengchong, yunnan, China. Brazilian Journal of Microbiology, 2011, 42, 514-525.	0.8	25
62	Analysis of the elemental sulfur bio-oxidation by Acidithiobacillus ferrooxidans with sulfur K-edge XANES. World Journal of Microbiology and Biotechnology, 2011, 27, 1927-1931.	1.7	15
63	Effects of Copper Exposure on Expression of Glutathione-Related Genes in Acidithiobacillus ferrooxidans. Current Microbiology, 2011, 62, 1460-1466.	1.0	27
64	The effect of mixotrophy on microalgal growth, lipid content, and expression levels of three pathway genes in Chlorella sorokiniana. Applied Microbiology and Biotechnology, 2011, 91, 835-844.	1.7	248
65	Production and characterization of alkaline extracellular lipase from newly isolated strain Aspergillus awamori HB-03. Journal of Central South University, 2011, 18, 1425-1433.	1.2	14
66	Sulfur oxidation activities of pure and mixed thermophiles and sulfur speciation in bioleaching of chalcopyrite. Bioresource Technology, 2011, 102, 3877-3882.	4.8	85
67	Characterization of the thermo-reduction process of chalcopyrite at 65Â°C by cyclic voltammetry and XANES spectroscopy. Hydrometallurgy, 2011, 107, 13-21.	1.8	53
68	A novel acidophilic, thermophilic iron and sulfur-oxidizing archaeon isolated from a hot spring of tengchong, yunnan, China. Brazilian Journal of Microbiology, 2011, 42, 514-25.	0.8	11
69	Extraction and characterization of PHB from Acidiphilium cryptum DX1-1. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 938-943.	0.4	10
70	Isolation and characterization of acidophilic bacterium from Dongxiangshan Mine in Xinjiang Province, China. Central South University, 2010, 17, 50-55.	0.5	5
71	Surface analysis of sulfur speciation on pyrite bioleached by extreme thermophile Acidianus manzaensis using Raman and XANES spectroscopy. Hydrometallurgy, 2010, 100, 129-135.	1.8	58
72	Effect of activated carbon on chalcopyrite bioleaching with extreme thermophile Acidianus manzaensis. Hydrometallurgy, 2010, 105, 179-185.	1.8	50

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73	Investigation of the sulfur speciation during chalcopyrite leaching by moderate thermophile Sulfobacillus thermosulfidooxidans. International Journal of Mineral Processing, 2010, 94, 52-57.	2.6	50
74	Sulfur Species Investigation in Extra- and Intracellular Sulfur Globules ofAcidithiobacillus ferrooxidansandAcidithiobacillus caldus. Geomicrobiology Journal, 2010, 27, 707-713.	1.0	13
75	Real-time PCR Analysis of metabolic pathway of PHB in Acidiphilium cryptum DX1-1. Journal of Microbiology and Biotechnology, 2010, 20, 71-77.	0.9	9
76	Real-time PCR analysis of metabolic pathway of PHB in Acidiphilium cryptum DX1-1. Journal of Microbiology and Biotechnology, 2010, 20, 71-7.	0.9	3
77	Identification and fermentation optimization of protopectinase-overproducing strain Aspergillus niger CD-01 for pectin production. Central South University, 2009, 16, 53-60.	0.5	4
78	Acidophilic bacterial community reflecting pollution level of sulphide mine impacted by acid mine drainage. Central South University, 2009, 16, 223-229.	0.5	5
79	Purification and characterization of extracellular chitinase from a novel strain Aspergillus fumigatus CS-01. Central South University, 2009, 16, 552-557.	0.5	7
80	Investigation of Elemental Sulfur Speciation Transformation Mediated by Acidithiobacillus ferrooxidans. Current Microbiology, 2009, 58, 300-307.	1.0	29
81	Sulfur speciation on the surface of chalcopyrite leached by Acidianus manzaensis. Hydrometallurgy, 2009, 99, 45-50.	1.8	43
82	Comparative study on effects of Tween-80 and sodium isobutyl-xanthate on growth and sulfur-oxidizing activities of Acidithiobacillus albertensis BY-05. Transactions of Nonferrous Metals Society of China, 2008, 18, 1003-1007.	1.7	24
83	Growth and surface properties of new thermoacidophilic Archaea strain Acidianus manzaensis YN-25 grown on different substrates. Transactions of Nonferrous Metals Society of China, 2008, 18, 1374-1378.	1.7	26
84	Sulfur activation-related extracellular proteins of Acidithiobacillus ferrooxidans. Transactions of Nonferrous Metals Society of China, 2008, 18, 1398-1402.	1.7	26
85	Biosorption mechanism of Cr (VI) onto cells of Synechococcus sp.. Central South University, 2007, 14, 157-162.	0.5	20
86	Preparation, optical properties and cell staining of water soluble amine-terminated PAMAM G2.0-Au nanocomposites. Central South University, 2005, 12, 641-646.	0.5	1
87	Structure, properties and application to water-soluble coatings of complex antimicrobial agent Ag-carboxymethyl chitosan-thiabendazole. Central South University, 2005, 12, 526-530.	0.5	5
88	Fractionation and characterization of polysaccharides from cyanobacterium Spirulina (Arthrospira) maxima in nitrogen-limited batch culture. Central South University, 2002, 9, 81-86.	0.5	14
89	Methodology of factorial design deriving guidelines for simulation of growth curve and production of sugars by Spirulina (Arthrospira) maxima. Central South University, 2001, 8, 228-233.	0.5	1
90	Title is missing!. Journal of Applied Phycology, 2001, 13, 359-367.	1.5	18