

Xianzhen Li

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.

41 papers	558 citations	11 h-index	22 g-index
44 ext. papers	676 ext. citations	3.5 avg, IF	3.57 L-index

#	Paper	IF	Citations
41	Quorum quenching enzymes and their application in degrading signal molecules to block quorum sensing-dependent infection. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 17477-500	6.3	177
40	Klebsiella singaporensis sp. nov., a novel isomaltulose-producing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004 , 54, 2131-2136	2.2	48
39	Isomaltulose synthase from Klebsiella sp. strain LX3: gene cloning and characterization and engineering of thermostability. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 2676-82	4.8	43
38	Elicitor activity of algino-oligosaccharide and its potential application in protection of rice plant (Oryza saliva L.) against Magnaporthe grisea. <i>Biotechnology and Biotechnological Equipment</i> , 2015 , 29, 646-652	1.6	27
37	Enhanced germination of barley (Hordeum vulgare L.) using chitooligosaccharide as an elicitor in seed priming to improve malt quality. <i>Biotechnology Letters</i> , 2016 , 38, 1935-1940	3	23
36	Application of chitooligosaccharides as antioxidants in beer to improve the flavour stability by protecting against beer staling during storage. <i>Biotechnology Letters</i> , 2017 , 39, 305-310	3	22
35	Biodegradation of xanthan by newly isolated Cellulomonas sp. LX, releasing elicitor-active xantho-oligosaccharides-induced phytoalexin synthesis in soybean cotyledons. <i>Process Biochemistry</i> , 2005 , 40, 3701-3706	4.8	22
34	The use of chitooligosaccharide in beer brewing for protection against beer-spoilage bacteria and its influence on beer performance. <i>Biotechnology Letters</i> , 2016 , 38, 629-35	3	20
33	Bacillus marcorestrictum sp. nov., a novel soil acylhomoserine lactone quorum-sensing signal quenching bacterium. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 507-20	6.3	20
32	Influence of biochar application on potassium-solubilizing Bacillus mucilaginosus as potential biofertilizer. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 32-37	2.4	19
31	Isolation and some properties of cellulose-degrading Vibrio sp. LX-3 with agar-liquefying ability from soil. <i>World Journal of Microbiology and Biotechnology</i> , 2003 , 19, 375-379	4.4	15
30	Endoxanthanase, a novel beta-D-glucanase hydrolyzing backbone linkage of intact xanthan from newly isolated Microbacterium sp. XT11. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 159, 24-32	3.2	10
29	Invertase Suc2-mediated inulin catabolism is regulated at the transcript level in Saccharomyces cerevisiae. <i>Microbial Cell Factories</i> , 2015 , 14, 59	6.4	9
28	Hop resistance and beer-spoilage features of foodborne Bacillus cereus newly isolated from filtration-sterilized draft beer. <i>Annals of Microbiology</i> , 2017 , 67, 17-23	3.2	8
27	Ethanol production using a newly isolated Saccharomyces cerevisiae strain directly assimilating intact inulin with a high degree of polymerization. <i>Biotechnology and Applied Biochemistry</i> , 2014 , 61, 418-25	2.8	8
26	Cellobiose-oxidizing enzyme from a newly isolated cellulolytic bacterium Cytophaga sp. LX-7. <i>Biotechnology Letters</i> , 1996 , 18, 205-210	3	8
25	Enhancing the production of phenolic compounds during barley germination by using chitooligosaccharides to improve the antioxidant capacity of malt. <i>Biotechnology Letters</i> , 2018 , 40, 1335-1341	3.1	7

24	Isolation and characterization of xanthan-degrading <i>Enterobacter</i> sp. nov. LB37 for reducing the viscosity of xanthan in petroleum industry. <i>World Journal of Microbiology and Biotechnology</i> , 2014 , 30, 1549-57	4.4	7
23	Characteristics of Newly Isolated <i>Geobacillus</i> sp. ZY-10 Degrading Hydrocarbons in Crude Oil. <i>Polish Journal of Microbiology</i> , 2015 , 64, 253-263	1.8	7
22	Strain-Specific Effects of Biochar and Its Water-Soluble Compounds on Bacterial Growth. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3209	2.6	6
21	Effect of added sulphur dioxide levels on the fermentation characteristics of strawberry wine. <i>Journal of the Institute of Brewing</i> , 2016 , 122, 446-451	2	6
20	Isolation and Properties of <i>Enterobacter</i> sp. LX3 Capable of Producing Indoleacetic Acid. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2108	2.6	6
19	Complete genome sequence of a xanthan-degrading <i>Microbacterium</i> sp. strain XT11 with the potential for xantho-oligosaccharides production. <i>Journal of Biotechnology</i> , 2016 , 222, 19-20	3.7	5
18	Novel caffeine degradation gene cluster is mega-plasmid encoded in <i>Paraburkholderia caffeinilytica</i> CF1. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 3025-3036	5.7	4
17	Production and purification of a novel xanthan lyase from a xanthan-degrading <i>Microbacterium</i> sp. strain XT11. <i>Scientific World Journal, The</i> , 2014 , 2014, 368434	2.2	4
16	Beer-spoilage characteristics of newly isolated from craft beer and its potential to influence beer quality. <i>Food Science and Nutrition</i> , 2019 , 7, 3950-3957	3.2	4
15	Novel Endotype Xanthanase from Xanthan-Degrading sp. Strain XT11. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	4
14	Comparative metagenomic discovery of the dynamic cellulose-degrading process from a synergistic cellulolytic microbiota. <i>Cellulose</i> , 2021 , 28, 2105-2123	5.5	4
13	Chitooligosaccharide as A Possible Replacement for Sulfur Dioxide in Winemaking. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 578	2.6	3
12	Proteomic Analysis of the Xanthan-Degrading Pathway of sp. XT11. <i>ACS Omega</i> , 2019 , 4, 19096-19105	3.9	3
11	Construction of a comprehensive beer proteome map using sequential filter-aided sample preparation coupled with liquid chromatography tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019 , 42, 2835-2841	3.4	2
10	Production of a single cyclic type of fructooligosaccharide structure by inulin-degrading <i>Paenibacillus</i> sp. LX16 newly isolated from Jerusalem artichoke root. <i>Microbial Biotechnology</i> , 2016 , 9, 419-29	6.3	2
9	Identification of an active-site residue in invertase SUC2 by mass spectrometry-based proteomics and site-directed mutagenesis. <i>International Journal of Mass Spectrometry</i> , 2016 , 409, 9-15	1.9	2
8	The biogenic amine-producing bacteria from craft beer and their kinetic analysis between growth characteristics and biogenic amine formation in beer. <i>Journal of Food Science</i> , 2021 , 86, 4991-5003	3.4	1
7	Hop bitter acids inhibit carbohydrate metabolism, enhance biogenic amine metabolism and alter L-malic acid, glutamic acid and arginine metabolism of <i>Lactobacillus brevis</i> 49. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 361-367	3.8	1

6	Prediction of Cellulose Crystallinity in Liquid Phase Using CBM-GFP Probe. <i>Macromolecular Research</i> , 2019 , 27, 377-385	1.9	o
5	Gelatinization and decrystallization of cellulose by newly isolated <i>Arthrobotrys</i> sp. CX1 to facilitate cellulose degradability. <i>Cellulose</i> , 2016 , 23, 3543-3554	5.5	o
4	Simple and efficient preparation of high-purity trehalulose from the waste syrup of isomaltulose production using solid-phase extraction followed by hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2021 , 44, 2334-2342	3.4	o
3	Isolation and properties of an endo- α -mannanase-producing <i>Bacillus</i> sp. LX114 capable of degrading guar gum. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 495-500	2.4	
2	Inulin catabolism in <i>Saccharomyces cerevisiae</i> is affected by some key glycosylation sequons of invertase Suc2. <i>Biotechnology Letters</i> , 2020 , 42, 471-479	3	
1	Improvement of barley (<i>Hordeum vulgare</i> L.) germination by application of biochar leacheate in steeping solution to upgrade malt quality. <i>Biotechnology Letters</i> , 2020 , 42, 305-311	3	