Xuetuan Wei

List of Publications by Citations

42 papers	1,035 citations	19 h-index	31 g-index
45 ext. papers	1,265 ext. citations	5.3 avg, IF	4.25 L-index

#	Paper	IF	Citations
42	Synthesis of silver nanoparticles by solar irradiation of cell-free Bacillus amyloliquefaciens extracts and AgNO3. *Bioresource Technology*, **2012**, 103, 273-8	11	145
41	Isolation of halotolerant Bacillus licheniformis WX-02 and regulatory effects of sodium chloride on yield and molecular sizes of poly-gamma-glutamic acid. *Applied Biochemistry and Biotechnology*, **2010**, 160, 1332-40	3.2	74
40	Reduction of hexavalent chromium by Pannonibacter phragmitetus LSSE-09 stimulated with external electron donors under alkaline conditions. *Journal of Hazardous Materials*, **2011**, 185, 1169-76	12.8	70
39	Production of fibrinolytic enzyme from Bacillus amyloliquefaciens by fermentation of chickpeas, with the evaluation of the anticoagulant and antioxidant properties of chickpeas. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 3957-63	5.7	57
38	Adsorption of rare earths (III) by calcium alginate□oly glutamic acid hybrid gels. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 969-977	3.5	52
37	Improvement of lichenysin production in Bacillus licheniformis by replacement of native promoter of lichenysin biosynthesis operon and medium optimization. *Applied Microbiology and Biotechnology*, **2014**, 98, 8895-903	5.7	51
36	Efficient expression of nattokinase in Bacillus licheniformis: host strain construction and signal peptide optimization. *Journal of Industrial Microbiology and Biotechnology*, **2015**, 42, 287-95	4.2	49
35	Reduction of hexavalent chromium by Pannonibacter phragmitetus LSSE-09 coated with polyethylenimine-functionalized magnetic nanoparticles under alkaline conditions. *Journal of Hazardous Materials*, **2011**, 189, 787-93	12.8	39
34	Evaluation of the Biogenic Amines Formation and Degradation Abilities of From Chinese Bacon. *Frontiers in Microbiology*, **2018**, 9, 1015	5.7	32
33	CdTe/CdS quantum dot-labeled fluorescent immunochromatography test strips for rapid detection of Escherichia coli O157:H7. *RSC Advances*, **2017**, 7, 17819-17823	3.7	31
32	A novel strategy to improve protein secretion via overexpression of the SppA signal peptide peptidase in Bacillus licheniformis. *Microbial Cell Factories*, **2017**, 16, 70	6.4	30
31	Enhanced expression of pgdS gene for high production of poly-□glutamic aicd with lower molecular weight in Bacillus licheniformis WX-02. *Journal of Chemical Technology and Biotechnology* , **2014**, 89, 1825-1832	3.5	28
30	Balancing the carbon flux distributions between the TCA cycle and glyoxylate shunt to produce glycolate at high yield and titer in Escherichia coli. *Metabolic Engineering*, **2018**, 46, 28-34	9.7	27
29	A new strategy for enhancement of poly-□glutamic acid production by multiple physicochemical stresses in Bacillus licheniformis. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 709-713	3.5	26
28	Genome sequence of Bacillus licheniformis WX-02. *Journal of Bacteriology*, **2012**, 194, 3561-2	3.5	26
27	Strain screening, fermentation, separation, and encapsulation for production of nattokinase functional food. *Applied Biochemistry and Biotechnology*, **2012**, 168, 1753-64	3.2	23
26	Glutamate dehydrogenase (RocG) in Bacillus licheniformis WX-02: Enzymatic properties and specific functions in glutamic acid synthesis for poly-□glutamic acid production. *Enzyme and Microbial Technology*, **2017**, 99, 9-15	3.8	21

25	Evaluation of the Biogenic Amines and Microbial Contribution in Traditional Chinese Sausages. *Frontiers in Microbiology*, **2019**, 10, 872	5.7	21
24	Biogenic amines analysis and microbial contribution in traditional fermented food of Douchi. *Scientific Reports*, **2018**, 8, 12567	4.9	19
23	Enhancement of acetoin production from Bacillus licheniformis by 2,3-butanediol conversion strategy: Metabolic engineering and fermentation control. *Process Biochemistry*, **2017**, 57, 35-42	4.8	18
22	Use of Bacillus amyloliquefaciens HZ-12 for High-Level Production of the Blood Glucose Lowering Compound, 1-Deoxynojirimycin (DNJ), and Nutraceutical Enriched Soybeans via Fermentation. *Applied Biochemistry and Biotechnology*, **2017**, 181, 1108-1122	3.2	17
21	Encapsulation of Pannonibacter phragmitetus LSSE-09 in alginate-carboxymethyl cellulose capsules for reduction of hexavalent chromium under alkaline conditions. *Journal of Industrial Microbiology and Biotechnology*, **2011**, 38, 1709-18	4.2	17
20	Enhancement of poly-□glutamic acid production by alkaline pH stress treatment in Bacillus licheniformis WX-02. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 2399-2403	3.5	17
19	Metabolomics analysis reveals global acetoin stress response of Bacillus licheniformis. *Metabolomics*, **2019**, 15, 25	4.7	16
18	Preparation of the antithrombotic and antimicrobial coating through layer-by-layer self-assembly of nattokinase-nanosilver complex and polyethylenimine. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 418-23	6	15
17	Prebiotic, Probiotic, Antimicrobial, and Functional Food Applications of. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 14709-14727	5.7	14
16	Enhancement of L-valine production in Bacillus licheniformis by blocking three branched pathways. *Biotechnology Letters*, **2015**, 37, 1243-8	3	12
15	Sunlight-induced biosynthesis of silver nanoparticles by animal and fungus biomass and their characterization. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 305-311	3.5	12
14	Identification of a Key Gene Involved in Branched-Chain Short Fatty Acids Formation in Natto by Transcriptional Analysis and Enzymatic Characterization in Bacillus subtilis. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 1592-1597	5.7	11
13	Enhanced Lignin Degradation in Tobacco Stalk Composting with Inoculation of White-Rot Fungi Trametes hirsuta and Pleurotus ostreatus. *Waste and Biomass Valorization*, **2020**, 11, 3525-3535	3.2	10
12	Metabolic engineering of for enhanced production of -adenosylmethionine by coupling of an engineered -adenosylmethionine pathway and the tricarboxylic acid cycle. *Biotechnology for Biofuels*, **2019**, 12, 211	7.8	8
11	Identification of a Spermidine Synthase Gene from Soybean by Recombinant Expression, Transcriptional Verification, and Sequence Analysis. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 2366-2372	5.7	7
10	Antimicrobial Effects of Silver Nanoparticles Synthesized by Fatsia japonica Leaf Extracts for Preservation of Citrus Fruits. *Journal of Food Science*, **2017**, 82, 1861-1866	3.4	7
9	High-level production of □amylase by manipulating the expression of alanine racamase in Bacillus licheniformis. *Biotechnology Letters*, **2017**, 39, 1389-1394	3	7
8	Multilevel Metabolic Engineering of Bacillus amyloliquefaciens for Production of the Platform Chemical Putrescine from Sustainable Biomass Hydrolysates. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2147-2157	8.3	7

7	Poly-γ-glutamic acid modified magnetic nanoparticles for fast solid phase extraction of trace amounts of Cu(II) and Pb(II). *Analytical Methods*, **2014**, 6, 9800-9806	3.2	6
6	Efficient production of free fatty acids from ionic liquid-based acid- or enzyme-catalyzed bamboo hydrolysate. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 419-430	4.2	4
5	Decreased formation of branched-chain short fatty acids in Bacillus amyloliquefaciens by metabolic engineering. *Biotechnology Letters*, **2017**, 39, 529-533	3	4
4	Biosynthesis of a Novel Bioactive Metabolite of Spermidine from : Gene Mining, Sequence Analysis, and Combined Expression. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 267-274	5.7	2
3	Production of a novel lycopene-rich soybean food by fermentation with Bacillus amyloliquefaciens. *LWT - Food Science and Technology*, **2021**, 153, 112551	5.4	1
2	Enhancement of S-adenosylmethionine production by deleting thrB gene and overexpressing SAM2 gene in Bacillus amyloliquefaciens. *Biotechnology Letters*, **2020**, 42, 2293-2298	3	0
1	Efficient production of extracellular alkaline protease in Bacillus amyloliquefaciens by host strain construction. *LWT - Food Science and Technology*, **2022**, 163, 113620	5.4	0