Jing Wu

List of Publications by Citations

110 papers	1,401 citations	20 h-index	32 g-index
127 ext. papers	1,814 ext. citations	6.2 avg, IF	4.97 L-index

#	Paper	IF	Citations
110	Enhanced Cocatalyst-Free Visible-Light Activities for Photocatalytic Fuel Production of g-C3N4 by Trapping Holes and Transferring Electrons. *Journal of Physical Chemistry C*, **2016**, 120, 98-107	3.8	113
109	Toxicity mechanisms and synergies of silver nanoparticles in 2,4-dichlorophenol degradation by Phanerochaete chrysosporium. *Journal of Hazardous Materials*, **2017**, 321, 37-46	12.8	97
108	Graphene oxide used as a carrier for adriamycin can reverse drug resistance in breast cancer cells. *Nanotechnology*, **2012**, 23, 355101	3.4	82
107	Acetoin production enhanced by manipulating carbon flux in a newly isolated Bacillus amyloliquefaciens. *Bioresource Technology*, **2013**, 130, 256-60	11	56
106	Optimization of pullulanase production in Escherichia coli by regulation of process conditions and supplement with natural osmolytes. *Bioresource Technology*, **2013**, 146, 379-385	11	46
105	pH-sensitive pullulan-based nanoparticles for intracellular drug delivery. *Polymer Chemistry*, **2014**, 5, 423-432	4.9	44
104	Enhanced extracellular production of recombinant Bacillus deramificans pullulanase in Escherichia coli through induction mode optimization and a glycine feeding strategy. *Bioresource Technology*, **2014**, 172, 174-179	11	44
103	Betaine alleviates hepatic lipid accumulation via enhancing hepatic lipid export and fatty acid oxidation in rats fed with a high-fat diet. *British Journal of Nutrition*, **2015**, 113, 1835-43	3.6	35
102	Enhanced charge separation of rutile TiO2 nanorods by trapping holes and transferring electrons for efficient cocatalyst-free photocatalytic conversion of CO2 to fuels. *Chemical Communications*, **2016**, 52, 5027-9	5.8	35
101	Efficient production of short-chain fatty acids from anaerobic fermentation of liquor wastewater and waste activated sludge by breaking the restrictions of low bioavailable substrates and microbial activity. *Bioresource Technology*, **2018**, 268, 549-557	11	34
100	Enhancing the secretion efficiency and thermostability of a Bacillus deramificans pullulanase mutant (D437H/D503Y) by N-terminal domain truncation. *Applied and Environmental Microbiology*, **2015**, 81, 1926-31	4.8	32
99	Enhanced acetoin production by Bacillus amyloliquefaciens through improved acetoin tolerance. *Process Biochemistry*, **2014**, 49, 1223-1230	4.8	32
98	Plasma-Aided Cotton Bioscouring: Dielectric Barrier Discharge Versus Low-Pressure Oxygen Plasma. *Plasma Chemistry and Plasma Processing*, **2009**, 29, 399-409	3.6	30
97	Distributed MPC for Coordinated Energy Efficiency Utilization in Microgrid Systems. *IEEE Transactions on Smart Grid*, **2019**, 10, 1781-1790	10.7	30
96	Recent Advances in Recombinant Protein Production by. *Annual Review of Food Science and Technology*, **2020**, 11, 295-318	14.7	28
95	Coordinated Energy Dispatch of Autonomous Microgrids With Distributed MPC Optimization. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 5289-5298	11.9	26
94	Enhancing fructosylated chondroitin production in Escherichia coli K4 by balancing the UDP-precursors. *Metabolic Engineering*, **2018**, 47, 314-322	9.7	25

93	Triton X-100 enhances the solubility and secretion ratio of aggregation-prone pullulanase produced in Escherichia coli. *Bioresource Technology*, **2015**, 194, 137-43	11	21
92	Preparation and properties of geopolymer-lightweight aggregate refractory concrete. *Central South University*, **2009**, 16, 914-918		21
91	Transcription factors Asg1p and Hal9p regulate pH homeostasis in Candida glabrata. *Frontiers in Microbiology*, **2015**, 6, 843	5.7	20
90	Rational design of the beta-galactosidase from Aspergillus oryzae to improve galactooligosaccharide production. *Food Chemistry*, **2019**, 286, 362-367	8.5	20
89	Asymmetric assembly of high-value Functionalized organic acids using a biocatalytic chiral-group-resetting process. *Nature Communications*, **2018**, 9, 3818	17.4	20
88	Improving the thermostability and enhancing the Ca(2+) binding of the maltohexaose-forming amylase from Bacillus stearothermophilus. *Journal of Biotechnology*, **2016**, 222, 65-72	3.7	19
87	Enhanced maltose production through mutagenesis of acceptor binding subsite +2 in Bacillus stearothermophilus maltogenic amylase. *Journal of Biotechnology*, **2016**, 217, 53-61	3.7	19
86	Dual-Responsive Core Crosslinking Glycopolymer-Drug Conjugates Nanoparticles for Precise Hepatocarcinoma Therapy. *Frontiers in Pharmacology*, **2018**, 9, 663	5.6	19
85	Planar binary-phase lens for super-oscillatory optical hollow needles. *Scientific Reports*, **2017**, 7, 4697	4.9	17
84	Enhancing functional expression of glucosidase in Pichia pastoris by co-expressing protein disulfide isomerase. *Biotechnology and Bioprocess Engineering*, **2011**, 16, 1196-1200	3.1	17
83	Enhanced photocatalytic activity of Cl-residual rutile TiO2 nanorods after targeted co-modification with phosphoric and boric acids. *Physical Chemistry Chemical Physics*, **2015**, 17, 15837-42	3.6	16
82	Viral etiology of medically attended influenza-like illnesses in children less than five years old in Suzhou, China, 2011-2014. *Journal of Medical Virology*, **2016**, 88, 1334-40	19.7	16
81	Microbial starch debranching enzymes: Developments and applications. *Biotechnology Advances*, **2021**, 50, 107786	17.8	16
80	Extracellular expression of natural cytosolic arginine deiminase from Pseudomonas putida and its application in the production of L-citrulline. *Bioresource Technology*, **2015**, 196, 176-83	11	14
79	Modulating the direction of carbon flow in Escherichia coli to improve l-tryptophan production by inactivating the global regulator FruR. *Journal of Biotechnology*, **2016**, 231, 141-148	3.7	14
78	SLC6A1 gene involvement in susceptibility to attention-deficit/hyperactivity disorder: A case-control study and gene-environment interaction. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 77, 202-208	5.5	13
77	Short-chain aliphatic ester synthesis using Thermobifida fusca cutinase. *Food Chemistry*, **2016**, 206, 131-6	8.5	13
76	Enhanced production of recombinant Escherichia coli glutamate decarboxylase through optimization of induction strategy and addition of pyridoxine. *Bioresource Technology*, **2015**, 198, 63-9	11	12

75	Stability analysis for networked control systems under denial-of-service attacks **2015**,		12
74	Enhanced extracellular expression of gene-optimized Thermobifida fusca cutinase in Escherichia coli by optimization of induction strategy. *Process Biochemistry*, **2015**, 50, 1039-1046	4.8	12
73	Controllability and observability of CPSs under networked adversarial attacks. *IET Control Theory and Applications*, **2017**, 11, 1596-1602	2.5	11
72	Capturing photogenerated electrons and holes at the B/Cl co-modified rutile TiO2 nanorods during organic pollutant degradation. *RSC Advances*, **2014**, 4, 29964	3.7	11
71	Gefitinib induces mitochondrial-dependent apoptosis in Saccharomyces cerevisiae. *Molecular Medicine Reports*, **2011**, 4, 357-62	2.9	11
70	Extracellular expression of Thermobifida fusca cutinase with pelB signal peptide depends on more than type II secretion pathway in Escherichia coli. *Journal of Biotechnology*, **2015**, 204, 47-52	3.7	10
69	Engineering protonation conformation of l-aspartate-□decarboxylase to relieve mechanism-based inactivation. *Biotechnology and Bioengineering*, **2020**, 117, 1607-1614	4.9	10
68	A unique mono- and diacylglycerol lipase from Penicillium cyclopium: heterologous expression, biochemical characterization and molecular basis for its substrate selectivity. *PLoS ONE*, **2014**, 9, e102040	3.7	10
67	Enzymatic surface modification of cellulose acetate fibre by cutinase-CBM (carbohydrate-binding module) fusion proteins. *Biocatalysis and Biotransformation*, **2012**, 30, 184-189	2.5	10
66	Recombinant expression, characterization, and application of a phospholipase B from Fusarium oxysporum. *Journal of Biotechnology*, **2017**, 242, 92-100	3.7	9
65	Polyphyllin I induces autophagy and cell cycle arrest via inhibiting PDK1/Akt/mTOR signal and downregulating cyclin B1 in human gastric carcinoma HGC-27 cells. *Biomedicine and Pharmacotherapy*, **2019**, 117, 109189	7.5	9
64	Differential occurrence of lysine 2-hydroxyisobutyrylation in psoriasis skin lesions. *Journal of Proteomics*, **2019**, 205, 103420	3.9	9
63	Biocatalytic derivatization of proteinogenic amino acids for fine chemicals. *Biotechnology Advances*, **2020**, 40, 107496	17.8	9
62	Association of PIK3CG gene polymorphisms with attention-deficit/hyperactivity disorder: A case-control study. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 81, 169-177	5.5	9
61	Preparation of gentiooligosaccharides using Trichoderma viride □glucosidase. *Food Chemistry*, **2018**, 248, 340-345	8.5	8
60	The addition of Co2+ enhances the catalytic efficiency and thermostability of recombinant glucose isomerase from Thermobifida fusca. *Process Biochemistry*, **2013**, 48, 1502-1508	4.8	7
59	Phytoestrogens inhibiting androgen receptor signal and prostate cancer cell proliferation. *Chemical Research in Chinese Universities*, **2013**, 29, 911-916	2.2	7
58	Reconstruction and in silico analysis of an Actinoplanes sp. SE50/110 genome-scale metabolic model for acarbose production. *Frontiers in Microbiology*, **2015**, 6, 632	5.7	7

57	Decomposition of Sodium Trichloroacetate in the Presence of Quaternary Ammonium under Microwave Irradiation: A Convenient One-Pot Synthesis of -Hydroxy Acids in Water. *Synthetic Communications*, **2006**, 36, 2421-2426	1.7	7
56	Chain structure and immunomodulatory activity of a fructosylated chondroitin from an engineered Escherichia coli K4. *International Journal of Biological Macromolecules*, **2019**, 133, 702-711	7.9	6
55	A novel wheat cysteine-rich receptor-like kinase gene CRK41 is involved in the regulation of seed germination under osmotic stress in Arabidopsis thaliana **2017**, 60, 571-581		6
54	Identification of binding peptides of the ADAM15 disintegrin domain using phage display. *Journal of Biosciences*, **2009**, 34, 213-20	2.3	6
53	Position 228 in Paenibacillus macerans cyclodextrin glycosyltransferase is critical for 2-O-d-glucopyranosyl-l-ascorbic acid synthesis. *Journal of Biotechnology*, **2017**, 247, 18-24	3.7	5
52	Lsm12 Mediates Deubiquitination of DNA Polymerase To Help Resist Oxidative Stress. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	5
51	Enzymatic Production of Ascorbic Acid-2-phosphate by Recombinant Acid Phosphatase. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 4161-4166	5.7	4
50	Suramin and NF449 are IP5K inhibitors that disrupt inositol hexakisphosphate-mediated regulation of cullin-RING ligase and sensitize cancer cells to MLN4924/pevonedistat. *Journal of Biological Chemistry*, **2020**, 295, 10281-10292	5.4	4
49	Enhancement of recombinant human ADAM15 disintegrin domain expression level by releasing the rare codons and amino acids restriction. *Applied Biochemistry and Biotechnology*, **2009**, 157, 299-310	3.2	4
48	Feasibility studies of simultaneous PET and SPECT dual-tracer imaging with a stationary multi-pinhole collimator inserted to animal PET detector **2012**,		4
47	Efficient production of phenylpropionic acids by an amino-group-transformation biocatalytic cascade. *Biotechnology and Bioengineering*, **2020**, 117, 614-625	4.9	4
46	Enhanced activity towards polyacrylates and poly(vinyl acetate) by site-directed mutagenesis of Humicola insolens cutinase. *International Journal of Biological Macromolecules*, **2020**, 162, 1752-1759	7.9	4
45	Highly efficient extracellular expression of naturally cytoplasmic Leuconostoc mesenteroides sucrose phosphorylase. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 3135-3142	3.5	4
44	Directional-path modification strategy enhances PET hydrolase catalysis of plastic degradation.. *Journal of Hazardous Materials*, **2022**, 433, 128816	12.8	4
43	Mechanical Properties and Microscopic Mechanism of Coral Sand-Cement Mortar. *Advances in Materials Science and Engineering*, **2020**, 2020, 1-11	1.5	3
42	Heterogeneous expression, molecular modification of amylosucrase from Neisseria polysaccharea, and its application in the preparation of turanose. *Food Chemistry*, **2020**, 314, 126212	8.5	3
41	A selective and sensitive nanosensor for fluorescent detection of specific IgEs to purified allergens in human serum.. *RSC Advances*, **2018**, 8, 3547-3555	3.7	3
40	High-level expression of Humicola insolens cutinase in Pichia pastoris without carbon starvation and its use in cotton fabric bioscouring. *Journal of Biotechnology*, **2019**, 304, 10-15	3.7	3

39	Recent advances in biocatalytic derivatization of L-tyrosine. *Applied Microbiology and Biotechnology*, **2020**, 104, 9907-9920	5.7	3
38	A dual-functional aminopeptidase from Streptomyces canus T20 and its application in the preparation of small rice peptides. *International Journal of Biological Macromolecules*, **2021**, 167, 214-222	7.9	3
37	Screening cellular proteins involved in the anti-proliferative effect of the ADAM15 disintegrin domain in murine melanoma cells. *Oncology Reports*, **2008**, 20, 669-75	3.5	3
36	On-demand state estimation with sampling time skew in power systems **2015**,		2
35	Sml1 Inhibits the DNA Repair Activity of Rev1 in Saccharomyces cerevisiae during Oxidative Stress. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	2
34	Enhancement of α-ketoisovalerate production by relieving the product inhibition of l-amino acid deaminase from Proteus mirabilis. *Chinese Journal of Chemical Engineering*, **2020**, 28, 2190-2199	3.2	2
33	Increased Processivity, Misincorporation, and Nucleotide Incorporation Efficiency in Sulfolobus solfataricus Dpo4 Thumb Domain Mutants. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	2
32	Efficient production of (R)-3-TBDMSO glutaric acid methyl monoester by manipulating the substrate pocket of Pseudozyma antarctica lipase B. *RSC Advances*, **2017**, 7, 38264-38272	3.7	2
31	Accelerated biodegradation of polyethylene terephthalate by Thermobifida fusca cutinase mediated by Stenotrophomonas pavanii. *Science of the Total Environment*, **2021**, 152107	10.2	2
30	Dietary recombinant human lysozyme improves the growth, intestinal health, immunity and disease resistance of Pacific white shrimp Litopenaeus vannamei.. *Fish and Shellfish Immunology*, **2022**, 121, 39-52	4.3	2
29	Recombinant expression and characterization of the glycogen branching enzyme from Vibrio vulnificus and its application in starch modification. *International Journal of Biological Macromolecules*, **2020**, 155, 987-994	7.9	2
28	N-acetyltransferase co-expression increases β-glucosidase expression level in Pichia pastoris. *Journal of Biotechnology*, **2019**, 289, 26-30	3.7	2
27	Zone model predictive control for pressure management of water distribution network. *Asian Journal of Control*, **2020**, 22, 1522-1536	1.7	2
26	Formation and driving factors of sulfate in PM2.5 at a high-level atmospheric SO2 city of Yangquan in China. *Air Quality, Atmosphere and Health*, **2021**, 14, 491-501	5.6	2
25	Establishment and verification of anthropogenic volatile organic compound emission inventory in a typical coal resource-based city. *Environmental Pollution*, **2021**, 288, 117794	9.3	2
24	Hierarchical Coordination of Two-Time Scale Microgrids With Supply-Demand Imbalance. *IEEE Transactions on Smart Grid*, **2020**, 11, 3726-3736	10.7	1
23	Spatial receptive field shift by preceding cross-modal stimulation in the cat superior colliculus. *Journal of Physiology*, **2018**, 596, 5033-5050	3.9	1
22	Feasibility studies of a high sensitivity, stationary dedicated cardiac SPECT with multi-pinhole collimators on a clinical dual-head scanner **2014**,		1

21	Feasibility studies of animal SPECT imaging with a stationary multi-pinhole collimator inserted to animal PET detector ring **2011**,		1
20	Enhancing Trust Management via Blockchain in Social Internet of Things **2020**,		1
19	Enhancement of PET biodegradation by anchor peptide-cutinase fusion protein.. *Enzyme and Microbial Technology*, **2022**, 156, 110004	3.8	1
18	Diverse prebiotic effects of isomaltodextrins with different glycosidic linkages and molecular weights on human gut bacteria in vitro.. *Carbohydrate Polymers*, **2022**, 279, 118986	10.3	1
17	Degradation of UV-pretreated polyolefins by latex clearing protein from Streptomyces sp. Strain K30. *Science of the Total Environment*, **2022**, 806, 150779	10.2	1
16	Modulating autophagic flux via ROS-responsive targeted micelles to restore neuronal proteostasis in Alzheimer□s disease.. *Bioactive Materials*, **2022**, 11, 300-316	16.7	1
15	Efficient secretory expression of Bacillus stearothermophilus □-cyclodextrin glycosyltransferase in Bacillus subtilis. *Journal of Biotechnology*, **2021**, 331, 74-82	3.7	1
14	Proteomic analysis of psoriatic skin lesions in a Chinese population. *Journal of Proteomics*, **2021**, 240, 104207	3.9	1
13	Efficient Synthesis of D-Phenylalanine from L-Phenylalanine via a Tri-Enzymatic Cascade Pathway. *ChemCatChem*, **2021**, 13, 3165-3173	5.2	1
12	Enhanced Catalytic Efficiency of L-amino Acid Deaminase Achieved by a Shorter Hydride Transfer Distance. *ChemCatChem*,	5.2	1
11	Enhancement of the degradation capacity of IsPETase for PET plastic degradation by protein engineering.. *Science of the Total Environment*, **2022**, 154947	10.2	1
10	Laser Surface Melting and Consecutive Point-Mode Forging Hardening of DH36 Marine Steel: Mechanical and Precipitation Behavior. *Coatings*, **2022**, 12, 495	2.9	1
9	Synthesis and Biochemical Evaluation of 8H-Indeno[1,2-d]thiazole Derivatives as Novel SARS-CoV-2 3CL Protease Inhibitors. *Molecules*, **2022**, 27, 3359	4.8	1
8	Enzymatic Production of Ascorbic Acid-2-Phosphate by Engineered Acid Phosphatase. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 14215-14221	5.7	0
7	Necroptosis in pulmonary macrophages promotes silica-induced inflammation and interstitial fibrosis in mice. *Toxicology Letters*, **2021**, 355, 150-150	4.4	0
6	Birth Weight and the Risk of Cardiovascular Outcomes: A Report From the Large Population-Based UK Biobank Cohort Study.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 827491	5.4	0
5	Production of phenylpyruvic acid by engineered L-amino acid deaminase from Proteus mirabilis.. *Biotechnology Letters*, **2022**, 1	3	0
4	Trehalose promotes high-level heterologous expression of 4,6-□-glucanotransferase GtfR2 in Escherichia coli and mechanistic analysis.. *International Journal of Biological Macromolecules*, **2022**, 210, 315-323	7.9	0

3	Advances in microbial engineering for the production of value-added products in a biorefinery. *Systems Microbiology and Biomanufacturing*,	0
2	Engineering membrane asymmetry to increase medium-chain fatty acid tolerance in Saccharomyces cerevisiae. *Biotechnology and Bioengineering*, **2022**, 119, 277-286	4.9
1	Synthesis of an Ion-Imprinted Degreasing Cotton for the Selective Removal of Cu2+ from Aqueous Solutions. *ChemistrySelect*, **2019**, 4, 14169-14174	1.8