

Jing Wu

List of Publications by Year in Descending Order

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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.

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	Enhancement of PET biodegradation by anchor peptide-cutinase fusion protein.. <i>Enzyme and Microbial Technology</i> , 2022 , 156, 110004	3.8	1
109	Dietary recombinant human lysozyme improves the growth, intestinal health, immunity and disease resistance of Pacific white shrimp <i>Litopenaeus vannamei</i> .. <i>Fish and Shellfish Immunology</i> , 2022 , 121, 39-52	4.3	2
108	Diverse prebiotic effects of isomaltodextrins with different glycosidic linkages and molecular weights on human gut bacteria in vitro.. <i>Carbohydrate Polymers</i> , 2022 , 279, 118986	10.3	1
107	Degradation of UV-pretreated polyolefins by latex clearing protein from <i>Streptomyces</i> sp. Strain K30. <i>Science of the Total Environment</i> , 2022 , 806, 150779	10.2	1
106	Modulating autophagic flux via ROS-responsive targeted micelles to restore neuronal proteostasis in Alzheimer's disease.. <i>Bioactive Materials</i> , 2022 , 11, 300-316	16.7	1
105	Engineering membrane asymmetry to increase medium-chain fatty acid tolerance in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2022 , 119, 277-286	4.9	
104	Birth Weight and the Risk of Cardiovascular Outcomes: A Report From the Large Population-Based UK Biobank Cohort Study.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 827491	5.4	0
103	Enhancement of the degradation capacity of IsPETase for PET plastic degradation by protein engineering.. <i>Science of the Total Environment</i> , 2022 , 154947	10.2	1
102	Laser Surface Melting and Consecutive Point-Mode Forging Hardening of DH36 Marine Steel: Mechanical and Precipitation Behavior. <i>Coatings</i> , 2022 , 12, 495	2.9	1
101	Directional-path modification strategy enhances PET hydrolase catalysis of plastic degradation.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128816	12.8	4
100	Production of phenylpyruvic acid by engineered L-amino acid deaminase from <i>Proteus mirabilis</i> .. <i>Biotechnology Letters</i> , 2022 , 1	3	0
99	Trehalose promotes high-level heterologous expression of 4,6- α -glucanotransferase GtfR2 in <i>Escherichia coli</i> and mechanistic analysis.. <i>International Journal of Biological Macromolecules</i> , 2022 , 210, 315-323	7.9	0
98	Synthesis and Biochemical Evaluation of 8H-Indeno[1,2-d]thiazole Derivatives as Novel SARS-CoV-2 3CL Protease Inhibitors. <i>Molecules</i> , 2022 , 27, 3359	4.8	1
97	Enzymatic Production of Ascorbic Acid-2-Phosphate by Engineered Acid Phosphatase. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 14215-14221	5.7	0
96	Necroptosis in pulmonary macrophages promotes silica-induced inflammation and interstitial fibrosis in mice. <i>Toxicology Letters</i> , 2021 , 355, 150-150	4.4	0
95	Accelerated biodegradation of polyethylene terephthalate by <i>Thermobifida fusca</i> cutinase mediated by <i>Stenotrophomonas pavanii</i> . <i>Science of the Total Environment</i> , 2021 , 152107	10.2	2
94	Efficient secretory expression of <i>Bacillus stearothermophilus</i> β -cyclodextrin glycosyltransferase in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2021 , 331, 74-82	3.7	1

93	Proteomic analysis of psoriatic skin lesions in a Chinese population. <i>Journal of Proteomics</i> , 2021 , 240, 104207	3.9	1
92	Efficient Synthesis of D-Phenylalanine from L-Phenylalanine via a Tri-Enzymatic Cascade Pathway. <i>ChemCatChem</i> , 2021 , 13, 3165-3173	5.2	1
91	Formation and driving factors of sulfate in PM2.5 at a high-level atmospheric SO2 city of Yangquan in China. <i>Air Quality, Atmosphere and Health</i> , 2021 , 14, 491-501	5.6	2
90	A dual-functional aminopeptidase from <i>Streptomyces canus</i> T20 and its application in the preparation of small rice peptides. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 214-222	7.9	3
89	Microbial starch debranching enzymes: Developments and applications. <i>Biotechnology Advances</i> , 2021 , 50, 107786	17.8	16
88	Establishment and verification of anthropogenic volatile organic compound emission inventory in a typical coal resource-based city. <i>Environmental Pollution</i> , 2021 , 288, 117794	9.3	2
87	Suramin and NF449 are IP5K inhibitors that disrupt inositol hexakisphosphate-mediated regulation of cullin-RING ligase and sensitize cancer cells to MLN4924/pevonedistat. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10281-10292	5.4	4
86	Hierarchical Coordination of Two-Time Scale Microgrids With Supply-Demand Imbalance. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3726-3736	10.7	1
85	Engineering protonation conformation of l-aspartate-β-decarboxylase to relieve mechanism-based inactivation. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1607-1614	4.9	10
84	Mechanical Properties and Microscopic Mechanism of Coral Sand-Cement Mortar. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-11	1.5	3
83	Sml1 Inhibits the DNA Repair Activity of Rev1 in <i>Saccharomyces cerevisiae</i> during Oxidative Stress. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	2
82	Heterogeneous expression, molecular modification of amylosucrase from <i>Neisseria polysaccharea</i> , and its application in the preparation of turanose. <i>Food Chemistry</i> , 2020 , 314, 126212	8.5	3
81	Enhancement of β-ketoisovalerate production by relieving the product inhibition of l-amino acid deaminase from <i>Proteus mirabilis</i> . <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 2190-2199	3.2	2
80	Enhancing Trust Management via Blockchain in Social Internet of Things 2020 ,		1
79	Recent Advances in Recombinant Protein Production by. <i>Annual Review of Food Science and Technology</i> , 2020 , 11, 295-318	14.7	28
78	Efficient production of phenylpropionic acids by an amino-group-transformation biocatalytic cascade. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 614-625	4.9	4
77	Biocatalytic derivatization of proteinogenic amino acids for fine chemicals. <i>Biotechnology Advances</i> , 2020 , 40, 107496	17.8	9
76	Recombinant expression and characterization of the glycogen branching enzyme from <i>Vibrio vulnificus</i> and its application in starch modification. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 987-994	7.9	2

75	Recent advances in biocatalytic derivatization of L-tyrosine. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 9907-9920	5.7	3
74	Enhanced activity towards polyacrylates and poly(vinyl acetate) by site-directed mutagenesis of <i>Humicola insolens</i> cutinase. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1752-1759	7.9	4
73	Zone model predictive control for pressure management of water distribution network. <i>Asian Journal of Control</i> , 2020 , 22, 1522-1536	1.7	2
72	Chain structure and immunomodulatory activity of a fructosylated chondroitin from an engineered <i>Escherichia coli</i> K4. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 702-711	7.9	6
71	High-level expression of <i>Humicola insolens</i> cutinase in <i>Pichia pastoris</i> without carbon starvation and its use in cotton fabric bioscouring. <i>Journal of Biotechnology</i> , 2019 , 304, 10-15	3.7	3
70	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. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 117, 109189	7.5	9
69	Differential occurrence of lysine 2-hydroxyisobutyrylation in psoriasis skin lesions. <i>Journal of Proteomics</i> , 2019 , 205, 103420	3.9	9
68	Coordinated Energy Dispatch of Autonomous Microgrids With Distributed MPC Optimization. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5289-5298	11.9	26
67	Rational design of the beta-galactosidase from <i>Aspergillus oryzae</i> to improve galactooligosaccharide production. <i>Food Chemistry</i> , 2019 , 286, 362-367	8.5	20
66	Synthesis of an Ion-Imprinted Degreasing Cotton for the Selective Removal of Cu ²⁺ from Aqueous Solutions. <i>ChemistrySelect</i> , 2019 , 4, 14169-14174	1.8	
65	N-acetyltransferase co-expression increases β -glucosidase expression level in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2019 , 289, 26-30	3.7	2
64	Lsm12 Mediates Deubiquitination of DNA Polymerase β To Help Resist Oxidative Stress. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	5
63	Distributed MPC for Coordinated Energy Efficiency Utilization in Microgrid Systems. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1781-1790	10.7	30
62	Enhancing fructosylated chondroitin production in <i>Escherichia coli</i> K4 by balancing the UDP-precursors. <i>Metabolic Engineering</i> , 2018 , 47, 314-322	9.7	25
61	A selective and sensitive nanosensor for fluorescent detection of specific IgEs to purified allergens in human serum.. <i>RSC Advances</i> , 2018 , 8, 3547-3555	3.7	3
60	Preparation of gentiooligosaccharides using <i>Trichoderma viride</i> β -glucosidase. <i>Food Chemistry</i> , 2018 , 248, 340-345	8.5	8
59	Dual-Responsive Core Crosslinking Glycopolymer-Drug Conjugates Nanoparticles for Precise Hepatocarcinoma Therapy. <i>Frontiers in Pharmacology</i> , 2018 , 9, 663	5.6	19
58	Spatial receptive field shift by preceding cross-modal stimulation in the cat superior colliculus. <i>Journal of Physiology</i> , 2018 , 596, 5033-5050	3.9	1

57	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. <i>Bioresource Technology</i> , 2018 , 268, 549-557	11	34
56	Association of PIK3CG gene polymorphisms with attention-deficit/hyperactivity disorder: A case-control study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018 , 81, 169-177	5.5	9
55	Highly efficient extracellular expression of naturally cytoplasmic <i>Leuconostoc mesenteroides</i> sucrose phosphorylase. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3135-3142	3.5	4
54	Asymmetric assembly of high-value β -functionalized organic acids using a biocatalytic chiral-group-resetting process. <i>Nature Communications</i> , 2018 , 9, 3818	17.4	20
53	Position 228 in <i>Paenibacillus macerans</i> cyclodextrin glycosyltransferase is critical for 2-O-d-glucopyranosyl-l-ascorbic acid synthesis. <i>Journal of Biotechnology</i> , 2017 , 247, 18-24	3.7	5
52	Enzymatic Production of Ascorbic Acid-2-phosphate by Recombinant Acid Phosphatase. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 4161-4166	5.7	4
51	SLC6A1 gene involvement in susceptibility to attention-deficit/hyperactivity disorder: A case-control study and gene-environment interaction. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 77, 202-208	5.5	13
50	Controllability and observability of CPSs under networked adversarial attacks. <i>IET Control Theory and Applications</i> , 2017 , 11, 1596-1602	2.5	11
49	Recombinant expression, characterization, and application of a phospholipase B from <i>Fusarium oxysporum</i> . <i>Journal of Biotechnology</i> , 2017 , 242, 92-100	3.7	9
48	Increased Processivity, Misincorporation, and Nucleotide Incorporation Efficiency in <i>Sulfolobus solfataricus</i> Dpo4 Thumb Domain Mutants. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	2
47	Efficient production of (R)-3-TBDMSO glutaric acid methyl monoester by manipulating the substrate pocket of <i>Pseudozyma antarctica</i> lipase B. <i>RSC Advances</i> , 2017 , 7, 38264-38272	3.7	2
46	Planar binary-phase lens for super-oscillatory optical hollow needles. <i>Scientific Reports</i> , 2017 , 7, 4697	4.9	17
45	Toxicity mechanisms and synergies of silver nanoparticles in 2,4-dichlorophenol degradation by <i>Phanerochaete chrysosporium</i> . <i>Journal of Hazardous Materials</i> , 2017 , 321, 37-46	12.8	97
44	A novel wheat cysteine-rich receptor-like kinase gene CRK41 is involved in the regulation of seed germination under osmotic stress in <i>Arabidopsis thaliana</i> 2017 , 60, 571-581		6
43	Modulating the direction of carbon flow in <i>Escherichia coli</i> to improve l-tryptophan production by inactivating the global regulator FruR. <i>Journal of Biotechnology</i> , 2016 , 231, 141-148	3.7	14
42	Enhanced Cocatalyst-Free Visible-Light Activities for Photocatalytic Fuel Production of g-C ₃ N ₄ by Trapping Holes and Transferring Electrons. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 98-107	3.8	113
41	Short-chain aliphatic ester synthesis using <i>Thermobifida fusca</i> cutinase. <i>Food Chemistry</i> , 2016 , 206, 131-135	6.5	13
40	Improving the thermostability and enhancing the Ca ²⁺ binding of the maltohexaose-forming α -amylase from <i>Bacillus stearothermophilus</i> . <i>Journal of Biotechnology</i> , 2016 , 222, 65-72	3.7	19

39	Enhanced charge separation of rutile TiO ₂ nanorods by trapping holes and transferring electrons for efficient cocatalyst-free photocatalytic conversion of CO ₂ to fuels. <i>Chemical Communications</i> , 2016 , 52, 5027-9	5.8	35
38	Enhanced maltose production through mutagenesis of acceptor binding subsite +2 in <i>Bacillus stearothermophilus</i> maltogenic amylase. <i>Journal of Biotechnology</i> , 2016 , 217, 53-61	3.7	19
37	Viral etiology of medically attended influenza-like illnesses in children less than five years old in Suzhou, China, 2011-2014. <i>Journal of Medical Virology</i> , 2016 , 88, 1334-40	19.7	16
36	Triton X-100 enhances the solubility and secretion ratio of aggregation-prone pullulanase produced in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2015 , 194, 137-43	11	21
35	Extracellular expression of <i>Thermobifida fusca</i> cutinase with pelB signal peptide depends on more than type II secretion pathway in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2015 , 204, 47-52	3.7	10
34	Betaine alleviates hepatic lipid accumulation via enhancing hepatic lipid export and fatty acid oxidation in rats fed with a high-fat diet. <i>British Journal of Nutrition</i> , 2015 , 113, 1835-43	3.6	35
33	On-demand state estimation with sampling time skew in power systems 2015 ,		2
32	Extracellular expression of natural cytosolic arginine deiminase from <i>Pseudomonas putida</i> and its application in the production of L-citrulline. <i>Bioresource Technology</i> , 2015 , 196, 176-83	11	14
31	Enhanced production of recombinant <i>Escherichia coli</i> glutamate decarboxylase through optimization of induction strategy and addition of pyridoxine. <i>Bioresource Technology</i> , 2015 , 198, 63-9	11	12
30	Stability analysis for networked control systems under denial-of-service attacks 2015 ,		12
29	Reconstruction and in silico analysis of an <i>Actinoplanes</i> sp. SE50/110 genome-scale metabolic model for acarbose production. <i>Frontiers in Microbiology</i> , 2015 , 6, 632	5.7	7
28	Transcription factors Asg1p and Hal9p regulate pH homeostasis in <i>Candida glabrata</i> . <i>Frontiers in Microbiology</i> , 2015 , 6, 843	5.7	20
27	Enhanced extracellular expression of gene-optimized <i>Thermobifida fusca</i> cutinase in <i>Escherichia coli</i> by optimization of induction strategy. <i>Process Biochemistry</i> , 2015 , 50, 1039-1046	4.8	12
26	Enhanced photocatalytic activity of Cl-residual rutile TiO ₂ nanorods after targeted co-modification with phosphoric and boric acids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15837-42	3.6	16
25	Enhancing the secretion efficiency and thermostability of a <i>Bacillus deramificans</i> pullulanase mutant (D437H/D503Y) by N-terminal domain truncation. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 1926-31	4.8	32
24	Capturing photogenerated electrons and holes at the B/Cl co-modified rutile TiO ₂ nanorods during organic pollutant degradation. <i>RSC Advances</i> , 2014 , 4, 29964	3.7	11
23	pH-sensitive pullulan-based nanoparticles for intracellular drug delivery. <i>Polymer Chemistry</i> , 2014 , 5, 423-432	4.9	44
22	Enhanced extracellular production of recombinant <i>Bacillus deramificans</i> pullulanase in <i>Escherichia coli</i> through induction mode optimization and a glycine feeding strategy. <i>Bioresource Technology</i> , 2014 , 172, 174-179	11	44

21	Feasibility studies of a high sensitivity, stationary dedicated cardiac SPECT with multi-pinhole collimators on a clinical dual-head scanner 2014 ,		1
20	A unique mono- and diacylglycerol lipase from <i>Penicillium cyclopium</i> : heterologous expression, biochemical characterization and molecular basis for its substrate selectivity. <i>PLoS ONE</i> , 2014 , 9, e102040	4.7	10
19	Enhanced acetoin production by <i>Bacillus amyloliquefaciens</i> through improved acetoin tolerance. <i>Process Biochemistry</i> , 2014 , 49, 1223-1230	4.8	32
18	The addition of Co ²⁺ enhances the catalytic efficiency and thermostability of recombinant glucose isomerase from <i>Thermobifida fusca</i> . <i>Process Biochemistry</i> , 2013 , 48, 1502-1508	4.8	7
17	Phytoestrogens inhibiting androgen receptor signal and prostate cancer cell proliferation. <i>Chemical Research in Chinese Universities</i> , 2013 , 29, 911-916	2.2	7
16	Optimization of pullulanase production in <i>Escherichia coli</i> by regulation of process conditions and supplement with natural osmolytes. <i>Bioresource Technology</i> , 2013 , 146, 379-385	11	46
15	Acetoin production enhanced by manipulating carbon flux in a newly isolated <i>Bacillus amyloliquefaciens</i> . <i>Bioresource Technology</i> , 2013 , 130, 256-60	11	56
14	Graphene oxide used as a carrier for adriamycin can reverse drug resistance in breast cancer cells. <i>Nanotechnology</i> , 2012 , 23, 355101	3.4	82
13	Enzymatic surface modification of cellulose acetate fibre by cutinase-CBM (carbohydrate-binding module) fusion proteins. <i>Biocatalysis and Biotransformation</i> , 2012 , 30, 184-189	2.5	10
12	Feasibility studies of simultaneous PET and SPECT dual-tracer imaging with a stationary multi-pinhole collimator inserted to animal PET detector 2012 ,		4
11	Gefitinib induces mitochondrial-dependent apoptosis in <i>Saccharomyces cerevisiae</i> . <i>Molecular Medicine Reports</i> , 2011 , 4, 357-62	2.9	11
10	Enhancing functional expression of β glucosidase in <i>Pichia pastoris</i> by co-expressing protein disulfide isomerase. <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 1196-1200	3.1	17
9	Feasibility studies of animal SPECT imaging with a stationary multi-pinhole collimator inserted to animal PET detector ring 2011 ,		1
8	Plasma-Aided Cotton Bioscouring: Dielectric Barrier Discharge Versus Low-Pressure Oxygen Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2009 , 29, 399-409	3.6	30
7	Enhancement of recombinant human ADAM15 disintegrin domain expression level by releasing the rare codons and amino acids restriction. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 157, 299-310	3.2	4
6	Identification of binding peptides of the ADAM15 disintegrin domain using phage display. <i>Journal of Biosciences</i> , 2009 , 34, 213-20	2.3	6
5	Preparation and properties of geopolymer-lightweight aggregate refractory concrete. <i>Central South University</i> , 2009 , 16, 914-918		21
4	Screening cellular proteins involved in the anti-proliferative effect of the ADAM15 disintegrin domain in murine melanoma cells. <i>Oncology Reports</i> , 2008 , 20, 669-75	3.5	3

- 3 Decomposition of Sodium Trichloroacetate in the Presence of Quaternary Ammonium under Microwave Irradiation: A Convenient One-Pot Synthesis of β -Hydroxy Acids in Water. *Synthetic Communications*, **2006**, 36, 2421-2426 1.7 7
- 2 Enhanced Catalytic Efficiency of L-amino Acid Deaminase Achieved by a Shorter Hydride Transfer Distance. *ChemCatChem*, 5.2 1
- 1 Advances in microbial engineering for the production of value-added products in a biorefinery. *Systems Microbiology and Biomanufacturing*, 0