

# Tianwen Wang

## List of Publications by Year in descending order

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46  
papers

738  
citations

623734

14  
h-index

580821

25  
g-index

46  
all docs

46  
docs citations

46  
times ranked

954  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly regio- and enantioselective multiple oxy- and amino-functionalizations of alkenes by modular cascade biocatalysis. <i>Nature Communications</i> , 2016, 7, 11917.	12.8	142
2	Enhanced L-phenylalanine biosynthesis by co-expression of pheAfbr and aroFwt. <i>Bioresource Technology</i> , 2010, 101, 4151-4156.	9.6	65
3	Synthesis and characterization of silver nanoparticles-doped hydroxyapatite/alginate microparticles with promising cytocompatibility and antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124081.	4.7	56
4	Mutant Library Construction in Directed Molecular Evolution: Casting a Wider Net. <i>Molecular Biotechnology</i> , 2006, 34, 55-68.	2.4	47
5	Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporated with Silver Nanoclusters via Green Tea Extract for Antibacterial Applications. <i>Designed Monomers and Polymers</i> , 2020, 23, 118-133.	1.6	43
6	Enhanced production of L-phenylalanine in <i>Corynebacterium glutamicum</i> due to the introduction of <i>Escherichia coli</i> wild-type gene <i>aroH</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 643-651.	3.0	28
7	Available methods for assembling expression cassettes for synthetic biology. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1853-1863.	3.6	23
8	High-level expression, purification and pro-apoptosis activity of HIV-TAT-survivin (T34A) mutant to cancer cells in vitro. <i>Journal of Biotechnology</i> , 2006, 123, 367-378.	3.8	22
9	Chromosomal integration of the <i>Vitreoscilla</i> hemoglobin gene and its physiological actions in <i>Tremella fuciformis</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 770-776.	3.6	22
10	Overview of Regulatory Strategies and Molecular Elements in Metabolic Engineering of Bacteria. <i>Molecular Biotechnology</i> , 2012, 52, 300-308.	2.4	21
11	Nanostructured selenium-doped biphasic calcium phosphate with in situ incorporation of silver for antibacterial applications. <i>Scientific Reports</i> , 2020, 10, 13738.	3.3	21
12	Structure-Based Stabilization of an Enzyme: The Case of Penicillin Acylase from <i>Alcaligenes faecalis</i> . <i>Protein and Peptide Letters</i> , 2006, 13, 177-183.	0.9	17
13	Enhanced L-phenylalanine production by recombinant <i>Escherichia coli</i> BR-42 (pAP-B03) resistant to bacteriophage BP-1 via a two-stage feeding approach. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1219-1227.	3.0	17
14	Molecular cloning and bioinformatics analysis of a novel spliced variant of survivin from human breast cancer cells. <i>DNA Sequence</i> , 2005, 16, 321-328.	0.7	15
15	Leukocyte Function-Associated Antigen-1: Structure, Function and Application Prospects. <i>Protein and Peptide Letters</i> , 2006, 13, 397-400.	0.9	15
16	Detecting Protein-Protein Interaction Based on Protein Fragment Complementation Assay. <i>Current Protein and Peptide Science</i> , 2020, 21, 598-610.	1.4	14
17	Discovery of the cell-penetrating function of A2 domain derived from LTA subunit of <i>Escherichia coli</i> heat-labile enterotoxin. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5079-5088.	3.6	13
18	Screening and characterization of an aerobic nitrifying-denitrifying bacterium from activated sludge. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 353-360.	2.6	12

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19	Construction, expression, and purification of HIV-1 TAT-survivin (T34A) mutant: A pro-apoptosis protein in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2006, 47, 36-44.	1.3	10
20	Design and screening of a chimeric survivin-specific nanobody and its anticancer activities in vitro. <i>Anti-Cancer Drugs</i> , 2016, 27, 839-847.	1.4	10
21	Enhancing enzymatic activity of penicillin G acylase by coexpressing pcm gene. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 953-958.	3.6	9
22	Genetic protein TmSm(T34A) enhances sensitivity of chemotherapy to breast cancer cell lines as a synergistic drug to doxorubicin. <i>Biomedicine and Pharmacotherapy</i> , 2012, 66, 368-372.	5.6	8
23	Engineering substrate channeling in biosystems for improved efficiency. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3364-3373.	3.2	8
24	Strategical isolation of efficient chicken feather-degrading bacterial strains from tea plantation soil sample. <i>International Microbiology</i> , 2019, 22, 227-237.	2.4	8
25	Incorporation of nonstandard amino acids into proteins: principles and applications. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 60.	3.6	8
26	Functional solubilization of aggregation-prone TRAIL protein facilitated by coexpressing with protein isoaspartate methyltransferase. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 1033-1038.	3.6	7
27	Changing the Metal Binding Specificity of Superoxide Dismutase from <i>Thermus thermophilus</i> HB-27 by a Single Mutation. <i>Molecular Biotechnology</i> , 2009, 42, 146-153.	2.4	7
28	Anti-Oxidative Stress and Beyond: Multiple Functions of the Protein Glutathionylation. <i>Protein and Peptide Letters</i> , 2010, 17, 1234-1244.	0.9	7
29	A novel system enhancing the endosomal escapes of peptides promotes Bak BH3 peptide inducing apoptosis in lung cancer A549 cells. <i>Targeted Oncology</i> , 2014, 9, 163-170.	3.6	7
30	Small design from big alignment: engineering proteins with multiple sequence alignment as the starting point. <i>Biotechnology Letters</i> , 2020, 42, 1305-1315.	2.2	7
31	Identification and Characterization of Protein Encoded by orf382 as L-Threonine Dehydrogenase. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 748-755.	2.1	7
32	Engineering the Translational Machinery for Biotechnology Applications. <i>Molecular Biotechnology</i> , 2020, 62, 219-227.	2.4	6
33	Transcriptomic analysis of tea plant ( <i>Camellia sinensis</i> ) revealed the co-expression network of 4111 paralogous genes and biosynthesis of quality-related key metabolites under multiple stresses. <i>Genomics</i> , 2021, 113, 908-918.	2.9	6
34	Ribosome Hibernation as a Stress Response of Bacteria. <i>Protein and Peptide Letters</i> , 2020, 27, 1082-1091.	0.9	6
35	Transcriptional factor engineering in microbes for industrial biotechnology. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3071-3078.	3.2	5
36	Purification and characterization of a novel antioxidant Phelligrudin LA produced by <i>Inonotus baumii</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2483-2494.	3.2	3

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37	Mutations in the regulatory regions result in increased streptomycin resistance and keratinase synthesis in <i>Bacillus thuringiensis</i> . <i>Archives of Microbiology</i> , 2021, 203, 5387-5396.	2.2	3
38	Investigating the expression of F10 and G11 xylanases in <i>Aspergillus niger</i> A09 with qPCR. <i>Canadian Journal of Microbiology</i> , 2016, 62, 744-752.	1.7	2
39	Cook Your Samples: The Application of Microwave Irradiation in Speeding Up Biological Processes. <i>Molecular Biotechnology</i> , 2018, 60, 236-244.	2.4	2
40	The differential expression patterns and co-expression networks of paralogs as an indicator of the TNM stages of lung adenocarcinoma and squamous cell carcinoma. <i>Genomics</i> , 2020, 112, 4115-4124.	2.9	2
41	Effective isolation of antioxidant Phelligrudin LA from the fermentation broth of <i>Inonotus baumii</i> by macroporous resin. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 2095-2106.	3.4	2
42	The Establishment of Quantitatively Regulating Expression Cassette with sgRNA Targeting BIRC5 to Elucidate the Synergistic Pathway of Survivin with P-Glycoprotein in Cancer Multi-Drug Resistance. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 797005.	3.7	2
43	A Novel Method for Efficient Preparation of Mucosal Adjuvant <i>Escherichia coli</i> Heat-Labile Enterotoxin Mutant (LTm) by Artificially Assisted Self-Assembly In Vitro. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 33-45.	2.9	1
44	The high-efficient production of phelligrudin LA by <i>Inonotus baumii</i> with an integrated fermentation-separation process. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1141-1151.	3.4	1
45	A Thermostable Aluminum-Tolerant Protease Produced by Feather-Degrading <i>Bacillus thuringiensis</i> Isolated from Tea Plantation. <i>Protein and Peptide Letters</i> , 2021, 28, 563-572.	0.9	1
46	A Simple and Universal Method to Express Protein in Unfused form. <i>Protein and Peptide Letters</i> , 2012, 19, 930-933.	0.9	0