

Hao Wang

List of Publications by Year in descending order

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31
papers

5,666
citations

304743

22
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

7832
citing authors

#	ARTICLE	IF	CITATIONS
1	A Draft Sequence of the Rice Genome (<i>Oryza sativa</i> L. ssp. <i>indica</i>). Science, 2002, 296, 79-92.	12.6	3,146
2	De novo genome sequencing and comparative genomics of date palm (<i>Phoenix dactylifera</i>). Nature Biotechnology, 2011, 29, 521-527.	17.5	356
3	Pearl millet genome sequence provides a resource to improve agronomic traits in arid environments. Nature Biotechnology, 2017, 35, 969-976.	17.5	356
4	Atlas of nonribosomal peptide and polyketide biosynthetic pathways reveals common occurrence of nonmodular enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9259-9264.	7.1	310
5	RAVEN 2.0: A versatile toolbox for metabolic network reconstruction and a case study on <i>Streptomyces coelicolor</i> . PLoS Computational Biology, 2018, 14, e1006541.	3.2	228
6	An atlas of human metabolism. Science Signaling, 2020, 13, .	3.6	223
7	Anatoxin-a Synthetase Gene Cluster of the Cyanobacterium <i>Anabaena</i> sp. Strain 37 and Molecular Methods To Detect Potential Producers. Applied and Environmental Microbiology, 2011, 77, 7271-7278.	3.1	166
8	Hassallidins, antifungal glycolipopeptides, are widespread among cyanobacteria and are the end-product of a nonribosomal pathway. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1909-17.	7.1	102
9	Recurrent adenylation domain replacement in the microcystin synthetase gene cluster. BMC Evolutionary Biology, 2007, 7, 183.	3.2	97
10	Genome Mining Demonstrates the Widespread Occurrence of Gene Clusters Encoding Bacteriocins in Cyanobacteria. PLoS ONE, 2011, 6, e22384.	2.5	78
11	Assessment of Immunoreactive Synthetic Peptides from the Structural Proteins of Severe Acute Respiratory Syndrome Coronavirus. Clinical Chemistry, 2003, 49, 1989-1996.	3.2	71
12	Genome-derived insights into the biology of the hepatotoxic bloom-forming cyanobacterium <i>Anabaena</i> sp. strain 90. BMC Genomics, 2012, 13, 613.	2.8	52
13	A Unique Tryptophan C ⁶ -Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. Angewandte Chemie - International Edition, 2016, 55, 3596-3599.	13.8	49
14	Genome-scale metabolic network reconstruction of model animals as a platform for translational research. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	48
15	An analysis of the proteomic profile for <i>Thermoanaerobacter tengcongensis</i> under optimal culture conditions. Proteomics, 2004, 4, 136-150.	2.2	39
16	A draft sequence of the rice (<i>Oryza sativa</i> ssp. <i>indica</i>) genome. Science Bulletin, 2001, 46, 1937-1942.	1.7	35
17	Production of High Amounts of Hepatotoxin Nodularin and New Protease Inhibitors Pseudospumigins by the Brazilian Benthic Nostoc sp. CENA543. Frontiers in Microbiology, 2017, 8, 1963.	3.5	35
18	Genomic insights into the distribution, genetic diversity and evolution of polyketide synthases and nonribosomal peptide synthetases. Current Opinion in Genetics and Development, 2015, 35, 79-85.	3.3	33

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19	Optimizing cultivation of <i>Cordyceps militaris</i> for fast growth and cordycepin overproduction using rational design of synthetic media. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1-8.	4.1	31
20	The Epitope Study on the SARS-CoV Nucleocapsid Protein. <i>Genomics, Proteomics and Bioinformatics</i> , 2003, 1, 198-206.	6.9	27
21	Antifungal activity improved by coproduction of cyclodextrins and anabaenolysins in Cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13669-13674.	7.1	27
22	Recurrent Loss of Specific Introns during Angiosperm Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004843.	3.5	26
23	Bayesian genome scale modelling identifies thermal determinants of yeast metabolism. <i>Nature Communications</i> , 2021, 12, 190.	12.8	25
24	The Swinholide Biosynthesis Gene Cluster from a Terrestrial Cyanobacterium, <i>Nostoc</i> sp. Strain UHCC 0450. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	21
25	Yeast metabolic innovations emerged via expanded metabolic network and gene positive selection. <i>Molecular Systems Biology</i> , 2021, 17, e10427.	7.2	17
26	A Strategy for Searching Antigenic Regions in the SARS-CoV Spike Protein. <i>Genomics, Proteomics and Bioinformatics</i> , 2003, 1, 207-215.	6.9	14
27	The C-Terminal Portion of the Nucleocapsid Protein Demonstrates SARS-CoV Antigenicity. <i>Genomics, Proteomics and Bioinformatics</i> , 2003, 1, 193-197.	6.9	11
28	Global Genomic Diversity of <i>Oryza sativa</i> Varieties Revealed by Comparative Physical Mapping. <i>Genetics</i> , 2014, 196, 937-949.	2.9	10
29	Genome-scale insights into the metabolic versatility of <i>Limosilactobacillus reuteri</i> . <i>BMC Biotechnology</i> , 2021, 21, 46.	3.3	8
30	Silencing of STE20-type kinase STK25 in human aortic endothelial and smooth muscle cells is atheroprotective. <i>Communications Biology</i> , 2022, 5, 379.	4.4	4
31	Reply to Sasso et al.: Distribution and phylogeny of nonribosomal peptide and polyketide biosynthetic pathways in eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3947-E3947.	7.1	2