

Wei Zhang

List of Publications by Year in descending order

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36
papers

1,162
citations

430874

18
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering cytochrome P450 enzyme systems for biomedical and biotechnological applications. <i>Journal of Biological Chemistry</i> , 2020, 295, 833-849.	3.4	132
2	Hydrogen peroxide-independent production of $\hat{1}\pm$ -alkenes by OleTJE P450 fatty acid decarboxylase. <i>Biotechnology for Biofuels</i> , 2014, 7, 28.	6.2	128
3	Identification and Characterization of the Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> WAP-8294A2 Biosynthetic Gene Cluster from <i>Lysobacter enzymogenes</i> OH11. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5581-5589.	3.2	93
4	Engineering cytochrome P450 enzyme systems for biomedical and biotechnological applications. <i>Journal of Biological Chemistry</i> , 2020, 295, 833-849.	3.4	87
5	Mechanistic Insights into Interactions between Bacterial Class I P450 Enzymes and Redox Partners. <i>ACS Catalysis</i> , 2018, 8, 9992-10003.	11.2	78
6	New Reactions and Products Resulting from Alternative Interactions between the P450 Enzyme and Redox Partners. <i>Journal of the American Chemical Society</i> , 2014, 136, 3640-3646.	13.7	68
7	Phomopsidone A, a novel depsidone metabolite from the mangrove endophytic fungus <i>Phomopsis</i> sp. A123. <i>FÅ-toterapÅ-Åç</i> , 2014, 96, 146-151.	2.2	51
8	Compartmentalized biosynthesis of mycophenolic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13305-13310.	7.1	50
9	Mycopolydiene, a fungal polyketide, induces cell cycle arrest at the G2/M phase and apoptosis in HeLa cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7054-7058.	2.2	49
10	Fungal-derived brevianamide assembly by a stereoselective semipinacolase. <i>Nature Catalysis</i> , 2020, 3, 497-506.	34.4	47
11	Characterization of the Bafilomycin Biosynthetic Gene Cluster from <i>Streptomyces lohii</i> . <i>ChemBioChem</i> , 2013, 14, 301-306.	2.6	45
12	Deciphering the late steps of rifamycin biosynthesis. <i>Nature Communications</i> , 2018, 9, 2342.	12.8	36
13	Mutagenesis and redox partners analysis of the P450 fatty acid decarboxylase OleTJE. <i>Scientific Reports</i> , 2017, 7, 44258.	3.3	34
14	Functional Characterization of MpaGâ€², the Oâ€Methyltransferase Involved in the Biosynthesis of Mycophenolic Acid. <i>ChemBioChem</i> , 2015, 16, 565-569.	2.6	32
15	Functional analysis of human cytochrome P450 21A2 variants involved in congenital adrenal hyperplasia. <i>Journal of Biological Chemistry</i> , 2017, 292, 10767-10778.	3.4	32
16	Inherent steroid 17 $\hat{1}\pm$,20-lyase activity in defunct cytochrome P450 17A enzymes. <i>Journal of Biological Chemistry</i> , 2018, 293, 541-556.	3.4	23
17	Optimization of genome shuffling for high-yield production of the antitumor deacetylmycopolydiene in an endophytic fungus of mangrove plants. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7491-7498.	3.6	22
18	Mycopolydiene, a fungal polyketide inhibits MCF-7 cells through simultaneously targeting p53 and NF- $\hat{1}$ B pathways. <i>Biochemical Pharmacology</i> , 2012, 84, 891-899.	4.4	20

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19	Complete elucidation of the late steps of bafilomycin biosynthesis in <i>Streptomyces lohii</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 7095-7104.	3.4	20
20	In vitro reconstitution of the cyclosporine specific P450 hydroxylases using heterologous redox partner proteins. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 161-166.	3.0	20
21	New antimalarial norterpene cyclic peroxides from Xisha Islands sponge <i>Diacarnus megaspinothabdosus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2084-2087.	2.2	15
22	Deacetylmycoepoxydiene is an agonist of Rac1, and simultaneously induces autophagy and apoptosis. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5965-5975.	3.6	14
23	Unusual acylation of chloramphenicol in <i>Lysobacter enzymogenes</i> , a biocontrol agent with intrinsic resistance to multiple antibiotics. <i>BMC Biotechnology</i> , 2017, 17, 59.	3.3	9
24	Biosynthesis of Chuangxinmycin Featuring a Deubiquitinase-like Sulfurtransferase. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24418-24423.	13.8	9
25	Identification of an unexpected shunt pathway product provides new insights into tirandamycin biosynthesis. <i>Tetrahedron Letters</i> , 2016, 57, 5919-5923.	1.4	8
26	Characterization and Structural Analysis of Emodin-O-Methyltransferase from <i>Aspergillus terreus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5728-5737.	5.2	7
27	Development of MEMS directed evolution strategy for multiplied throughput and convergent evolution of cytochrome P450 enzymes. <i>Science China Life Sciences</i> , 2022, 65, 550-560.	4.9	6
28	Transformation of <i>Fusarium verticillioides</i> with a polyketide gene cluster isolated from a fungal endophyte activates the biosynthesis of fusaric acid. <i>Mycology</i> , 2011, 2, 24-29.	4.4	5
29	Engineering Bafilomycin High-Producers by Manipulating Regulatory and Biosynthetic Genes in the Marine Bacterium <i>Streptomyces lohii</i> . <i>Marine Drugs</i> , 2021, 19, 29.	4.6	5
30	Structural basis for substrate specificity of the peroxisomal acyl-CoA hydrolase MpaH TM involved in mycophenolic acid biosynthesis. <i>FEBS Journal</i> , 2021, 288, 5768-5780.	4.7	4
31	Structure-guided manipulation of the regioselectivity of the cyclosporine A hydroxylase CYP-sb21 from <i>Sebekia benihana</i> . <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 236-243.	3.7	3
32	Cytotoxic Polyketides with an Oxygen-Bridged Cyclooctadiene Core Skeleton from the Mangrove Endophytic Fungus <i>Phomopsis</i> sp. A818. <i>Molecules</i> , 2017, 22, 1547.	3.8	3
33	Structural Basis for Selective Oxidation of Phosphorylated Ethylphenols by Cytochrome P450 Monooxygenase CreJ. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	2
34	Bacterial Biosynthetic P450 Enzyme PikCD50N: A Potential Biocatalyst for the Preparation of Human Drug Metabolites. <i>Journal of Organic Chemistry</i> , 2021, 86, 14563-14571.	3.2	2
35	New norterpene cyclic peroxides and a new polyketide from the marine sponge <i>Diacarnus megaspinothabdosus</i> . <i>Tetrahedron Letters</i> , 2021, 74, 153155.	1.4	1
36	Biosynthesis of chuangxinmycin featuring a deubiquitinase-like sulfurtransferase. <i>Angewandte Chemie</i> , 0, , .	2.0	1