

Jianting Zheng

List of Publications by Year in descending order

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27
papers

712
citations

687363

13
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552781

26
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28
all docs

28
docs citations

28
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Functional Analysis of A-Type Ketoreductases from the Amphotericin Modular Polyketide Synthase. <i>Structure</i> , 2010, 18, 913-922.	3.3	85
2	The Dynamic Structure of Jadomycin B and the Amino Acid Incorporation Step of Its Biosynthesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 4496-4497.	13.7	75
3	Divergence of multimodular polyketide synthases revealed by a didomain structure. <i>Nature Chemical Biology</i> , 2012, 8, 615-621.	8.0	66
4	Employing Modular Polyketide Synthase Ketoreductases as Biocatalysts in the Preparative Chemoenzymatic Syntheses of Diketide Chiral Building Blocks. <i>Chemistry and Biology</i> , 2011, 18, 1331-1340.	6.0	60
5	Structural and Functional Analysis of C2-Type Ketoreductases from Modular Polyketide Synthases. <i>Journal of Molecular Biology</i> , 2011, 410, 105-117.	4.2	49
6	Structural Studies of an A2-Type Modular Polyketide Synthase Ketoreductase Reveal Features Controlling β -Substituent Stereochemistry. <i>ACS Chemical Biology</i> , 2013, 8, 1964-1971.	3.4	45
7	Structural and Functional Analysis of the Loading Acyltransferase from Avermectin Modular Polyketide Synthase. <i>ACS Chemical Biology</i> , 2015, 10, 1017-1025.	3.4	45
8	Structure and Function of the Macrolide Biosensor Protein, MphR(A), with and without Erythromycin. <i>Journal of Molecular Biology</i> , 2009, 387, 1250-1260.	4.2	39
9	The Missing Linker: A Dimerization Motif Located within Polyketide Synthase Modules. <i>ACS Chemical Biology</i> , 2013, 8, 1263-1270.	3.4	37
10	The status of type I polyketide synthase ketoreductases. <i>MedChemComm</i> , 2013, 4, 34-40.	3.4	32
11	Identification of JadG as the B Ring Opening Oxygenase Catalyzing the Oxidative C-C Bond Cleavage Reaction in Jadomycin Biosynthesis. <i>Chemistry and Biology</i> , 2012, 19, 1381-1390.	6.0	30
12	Structural and functional studies of a <i>trans</i> -acyltransferase polyketide assembly line enzyme that catalyzes stereoselective β - and β^2 -ketoreduction. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2067-2077.	2.6	29
13	Enzymatic Pyran Formation Involved in Xiamenmycin Biosynthesis. <i>ACS Catalysis</i> , 2019, 9, 5391-5399.	11.2	20
14	Substrate-bound structures of a ketoreductase from amphotericin modular polyketide synthase. <i>Journal of Structural Biology</i> , 2018, 203, 135-141.	2.8	13
15	Structural Insights into the Substrate Specificity of Acyltransferases from Salinomycin Polyketide Synthase. <i>Biochemistry</i> , 2019, 58, 2978-2986.	2.5	12
16	Structural and Mechanistic Insights into Chain Release of the Polyene PKS Thioesterase Domain. <i>ACS Catalysis</i> , 2022, 12, 762-776.	11.2	11
17	Induction of Holomycin Production and Complex Metabolic Changes by the <i>argR</i> Mutation in <i>Streptomyces clavuligerus</i> NP1. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3431-3441.	3.1	10
18	Stereospecificity of Enoylreductase Domains from Modular Polyketide Synthases. <i>ACS Chemical Biology</i> , 2018, 13, 871-875.	3.4	10

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19	Structural and Biochemical Insight into the Recruitment of Acyl Carrier Protein-Linked Extender Units in Ansamitocin Biosynthesis. <i>ChemBioChem</i> , 2020, 21, 1309-1314.	2.6	9
20	Biochemical characterization and mutational studies of the 8-oxoguanine DNA glycosylase from the hyperthermophilic and radioresistant archaeon <i>Thermococcus gammatolerans</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8021-8033.	3.6	8
21	Crystal structure of the condensation domain from lovastatin polyketide synthase. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 10-15.	3.7	8
22	Cloning, expression, and characterization of a thermostable glucose-6-phosphate dehydrogenase from <i>Thermoanaerobacter tengcongensis</i> . <i>Extremophiles</i> , 2016, 20, 149-156.	2.3	6
23	Directed accumulation of less toxic pimaricin derivatives by improving the efficiency of a polyketide synthase dehydratase domain. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2427-2436.	3.6	5
24	Computational studies on the substrate specificity of an acyltransferase domain from salinomycin polyketide synthase. <i>Catalysis Science and Technology</i> , 2021, 11, 6782-6792.	4.1	3
25	The <i>Streptomyces viridochromogenes</i> product template domain represents an evolutionary intermediate between dehydratase and aldol cyclase of type I polyketide synthases. <i>Communications Biology</i> , 2022, 5, .	4.4	3
26	Crystal structure of Acetyl-CoA carboxylase (AccB) from <i>Streptomyces antibioticus</i> and insights into the substrate-binding through in silico mutagenesis and biophysical investigations. <i>Computers in Biology and Medicine</i> , 2022, 145, 105439.	7.0	2
27	Structural Biology of Tailoring Domains in Polyketide Synthases. , 2020, , 47-60.		0