

# Qingfei Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,088  
citations

361413

20  
h-index

414414

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible histone glycation is associated with disease-related changes in chromatin architecture. <i>Nature Communications</i> , 2019, 10, 1289.	12.8	123
2	An enzymatic [4+2] cyclization cascade creates the pentacyclic core of pyrroindomycins. <i>Nature Chemical Biology</i> , 2015, 11, 259-265.	8.0	122
3	Multiplexing of Combinatorial Chemistry in Antimycin Biosynthesis: Expansion of Molecular Diversity and Utility. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12308-12312.	13.8	72
4	Enzyme-Dependent [4+2] Cycloaddition Depends on Lid-like Interaction of the N-Terminal Sequence with the Catalytic Core in PyrI4. <i>Cell Chemical Biology</i> , 2016, 23, 352-360.	5.2	61
5	Thiopeptide Antibiotics Exhibit a Dual Mode of Action against Intracellular Pathogens by Affecting Both Host and Microbe. <i>Chemistry and Biology</i> , 2015, 22, 1002-1007.	6.0	55
6	Non-enzymatic covalent modifications: a new link between metabolism and epigenetics. <i>Protein and Cell</i> , 2020, 11, 401-416.	11.0	44
7	Post-translational modifications involved in the biosynthesis of thiopeptide antibiotics. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3376-3390.	2.8	43
8	Protein arginine deiminase 4 antagonizes methylglyoxal-induced histone glycation. <i>Nature Communications</i> , 2020, 11, 3241.	12.8	39
9	Target-oriented design and biosynthesis of thiostrepton-derived thiopeptide antibiotics with improved pharmaceutical properties. <i>Organic Chemistry Frontiers</i> , 2015, 2, 106-109.	4.5	32
10	An $\alpha/\beta$ -hydrolase fold protein in the biosynthesis of thiostrepton exhibits a dual activity for endopeptidyl hydrolysis and epoxide ring opening/macrocyclization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14318-14323.	7.1	32
11	Precursor-Directed Mutational Biosynthesis Facilitates the Functional Assignment of Two Cytochromes P450 in Thiostrepton Biosynthesis. <i>ACS Chemical Biology</i> , 2016, 11, 2673-2678.	3.4	31
12	Bufospirostenin A and Bufogargarizin C, Steroids with Rearranged Skeletons from the Toad <i>Bufo bufo gargarizans</i> . <i>Journal of Natural Products</i> , 2017, 80, 1182-1186.	3.0	30
13	Chemo-enzymatic synthesis of equisetin. <i>Chemical Communications</i> , 2017, 53, 4695-4697.	4.1	30
14	Structural Insights into a Flavin-Dependent [4+2] Cyclase that Catalyzes trans-Decalin Formation in Pyrroindomycin Biosynthesis. <i>Cell Chemical Biology</i> , 2018, 25, 718-727.e3.	5.2	29
15	Insight into bicyclic thiopeptide biosynthesis benefited from development of a uniform approach for molecular engineering and production improvement. <i>Chemical Science</i> , 2014, 5, 240-246.	7.4	27
16	Recent advances in understanding the enzymatic reactions of [4+2] cycloaddition and spiroketalization. <i>Current Opinion in Chemical Biology</i> , 2016, 31, 95-102.	6.1	27
17	Rational Control of Polyketide Extender Units by Structure-Based Engineering of a Crotonyl-CoA Carboxylase/Reductase in Antimycin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13462-13465.	13.8	26
18	(De)Toxifying the Epigenetic Code. <i>Chemical Research in Toxicology</i> , 2019, 32, 796-807.	3.3	26

#	ARTICLE	IF	CITATIONS
19	Synthesis of an Alkynyl Methylglyoxal Probe to Investigate Nonenzymatic Histone Glycation. <i>Journal of Organic Chemistry</i> , 2020, 85, 1691-1697.	3.2	25
20	Discovery and efficient synthesis of a biologically active alkaloid inspired by thiostrepton biosynthesis. <i>Tetrahedron</i> , 2014, 70, 7686-7690.	1.9	20
21	Insights into the thioamidation of thiopeptins to enhance the understanding of the biosynthetic logic of thioamide-containing thiopeptides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3727-3731.	2.8	20
22	Concurrent modifications of the C-terminus and side ring of thiostrepton and their synergistic effects with respect to improving antibacterial activities. <i>Organic Chemistry Frontiers</i> , 2016, 3, 496-500.	4.5	19
23	An Azidoribose Probe to Track Ketoamine Adducts in Histone Ribose Glycation. <i>Journal of the American Chemical Society</i> , 2020, 142, 9999-10007.	13.7	19
24	Chemical Labeling and Enrichment of Histone Glyoxal Adducts. <i>ACS Chemical Biology</i> , 2022, 17, 756-761.	3.4	18
25	Contributions of Human-Associated Archaeal Metabolites to Tumor Microenvironment and Carcinogenesis. <i>Microbiology Spectrum</i> , 2022, 10, e0236721.	3.0	15
26	Molecular engineering of thiostrepton via single base-based mutagenesis to generate side ring-derived variants. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1254-1258.	4.5	13
27	Deglycase-activity oriented screening to identify DJ-1 inhibitors. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1232-1238.	3.9	13
28	Catabolic protein degradation in marine sediments confined to distinct archaea. <i>ISME Journal</i> , 2022, 16, 1617-1626.	9.8	12
29	A linear hydroxymethyl tetramate undergoes an acetylation-elimination process for exocyclic methylene formation in the biosynthetic pathway of pyrroindomycins. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 88-91.	2.8	11
30	Metatranscriptomics reveals different features of methanogenic archaea among global vegetated coastal ecosystems. <i>Science of the Total Environment</i> , 2022, 802, 149848.	8.0	10
31	Isolation and identification of L-lactate-conjugated bufadienolides from toad eggs revealing lactate racemization in amphibians. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5609-5615.	2.8	8
32	Thiopeptide Antibiotics act on both Host and Microbe to Deliver Double Punch on Mycobacterial Infection. <i>Mycobacterial Diseases: Tuberculosis &amp; Leprosy</i> , 2016, 06, .	0.1	3
33	Utilizing intein trans-splicing for in vivo generation of site-specifically modified proteins. <i>Methods in Enzymology</i> , 2019, 626, 203-222.	1.0	3
34	Synthetic Biology in Natural Medicine Research. <i>Scientia Sinica Vitae</i> , 2015, 45, 1015-1026.	0.3	3
35	Progress in Synthesis of Thiopeptide Antibiotics Analogues. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 1653.	1.3	0