Yu-Chen Liu

List of Publications by Year
in descending order

20	514	758635 12	752256 20
papers	citations	h-index	g-index

21	21	21	886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and mechanism of assembly line polyketide synthases. Current Opinion in Structural Biology, 2016, 41, 10-18.	2.6	104
2	Interception of teicoplanin oxidation intermediates yields new antimicrobial scaffolds. Nature Chemical Biology, 2011, 7, 304-309.	3.9	58
3	Biosynthesis of Streptolidine Involved Two Unexpected Intermediates Produced by a Dihydroxylase and a Cyclase through Unusual Mechanisms. Angewandte Chemie - International Edition, 2014, 53, 1943-1948.	7.2	47
4	In vitro Characterization of Enzymes Involved in the Synthesis of Nonproteinogenic Residue (2S,3S)â€Î²â€Methylphenylalanine in Glycopeptide Antibiotic Mannopeptimycin. ChemBioChem, 2009, 10, 2480-2487.	1.3	38
5	Structureâ€“Function Analysis of the Extended Conformation of a Polyketide Synthase Module. Journal of the American Chemical Society, 2018, 140, 6518-6521.	6.6	37
6	Solution structure of Î³-bungarotoxin: The functional significance of amino acid residues flanking the RGD motif in integrin binding. Proteins: Structure, Function and Bioinformatics, 2004, 57, 839-849.	1.5	32
7	Structure and mechanism of a nonhaem-iron SAM-dependentC-methyltransferase and its engineering to a hydratase and anO-methyltransferase. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1549-1560.	2.5	30
8	Characterization and Crystal Structure of a Nonheme Diiron Monooxygenase Involved in Platensimycin and Platencin Biosynthesis. Journal of the American Chemical Society, 2019, 141, 12406-12412.	6.6	23
9	Regioselective deacetylation based on teicoplanin-complexed Orf2* crystal structures. Molecular BioSystems, 2011, 7, 1224.	2.9	22
10	Multiple Complexes of Long Aliphatic N-Acyltransferases Lead to Synthesis of 2,6-Diacylated/2-Acyl-Substituted Glycopeptide Antibiotics, Effectively Killing Vancomycin-Resistant Enterococcus. Journal of the American Chemical Society, 2014, 136, 10989-10995.	6.6	20
11	Combining biocatalysis and chemoselective chemistries for glycopeptide antibiotics modification. Current Opinion in Chemical Biology, 2012, 16, 170-178.	2.8	18
12	Characterization of TnmH as an O-Methyltransferase Revealing Insights into Tiancimycin Biosynthesis and Enabling a Biocatalytic Strategy To Prepare Antibodyâ€“Tiancimycin Conjugates. Journal of Medicinal Chemistry, 2020, 63, 8432-8441.	2.9	18
13	Insights into the binding specificity and catalytic mechanism ofN-acetylhexosamine 1-phosphate kinases through multiple reaction complexes. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1401-1410.	2.5	13
14	Effect of D to E mutation of the RGD motif in rhodostomin on its activity, structure, and dynamics: Importance of the interactions between the D residue and integrin. Proteins: Structure, Function and Bioinformatics, 2009, 76, 808-821.	1.5	12
15	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. Angewandte Chemie - International Edition, 2021, 60, 7140-7147.	7.2	10
16	Thiocysteine lyases as polyketide synthase domains installing hydropersulfide into natural products and a hydropersulfide methyltransferase. Nature Communications, 2021, 12, 5672.	5.8	10
17	Chain Elongation and Cyclization in Type III PKS DpgA. ChemBioChem, 2012, 13, 862-871.	1.3	9
18	PtmC Catalyzes the Final Step of Thioplatensimycin, Thioplatencin, and Thioplatensilin Biosynthesis and Expands the Scope of Arylamine N-Acetyltransferases. ACS Chemical Biology, 2021, 16, 96-105.	1.6	6

#	Article	IF	Citations
19	The Mesomeric Effect of Thiazolium on nonâ€KekulÃ© Diradicals in Pichia stipitis Transketolase. Angewandte Chemie - International Edition, 2018, 57, 1802-1807.	7.2	4
20	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. Angewandte Chemie, 2021, 133, 7216-7223.	1.6	1