

Yu-Chen Liu

List of Publications by Year in descending order

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20
papers

514
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758635

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times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	PtmC Catalyzes the Final Step of Thioplatensimycin, Thioplatencin, and Thioplatensilin Biosynthesis and Expands the Scope of Arylamine <i>N</i> -Acetyltransferases. <i>ACS Chemical Biology</i> , 2021, 16, 96-105.	1.6	6
2	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7140-7147.	7.2	10
3	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. <i>Angewandte Chemie</i> , 2021, 133, 7216-7223.	1.6	1
4	Thiocysteine lyases as polyketide synthase domains installing hydropersulfide into natural products and a hydropersulfide methyltransferase. <i>Nature Communications</i> , 2021, 12, 5672.	5.8	10
5	Characterization of TnmH as an <i>O</i> -Methyltransferase Revealing Insights into Tiansimycin Biosynthesis and Enabling a Biocatalytic Strategy To Prepare Antibody-Tiansimycin Conjugates. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8432-8441.	2.9	18
6	Characterization and Crystal Structure of a Nonheme Diiron Monooxygenase Involved in Platensimycin and Platencin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 12406-12412.	6.6	23
7	The Mesomeric Effect of Thiazolium on non-Kekulé Diradicals in <i>Pichia stipitis</i> Transketolase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1802-1807.	7.2	4
8	Structure-Function Analysis of the Extended Conformation of a Polyketide Synthase Module. <i>Journal of the American Chemical Society</i> , 2018, 140, 6518-6521.	6.6	37
9	Structure and mechanism of assembly line polyketide synthases. <i>Current Opinion in Structural Biology</i> , 2016, 41, 10-18.	2.6	104
10	Insights into the binding specificity and catalytic mechanism of <i>N</i> -acetylhexosamine 1-phosphate kinases through multiple reaction complexes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1401-1410.	2.5	13
11	Structure and mechanism of a nonhaem-iron SAM-dependent <i>C</i> -methyltransferase and its engineering to a hydratase and an <i>O</i> -methyltransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1549-1560.	2.5	30
12	Biosynthesis of Streptolidine Involved Two Unexpected Intermediates Produced by a Dihydroxylase and a Cyclase through Unusual Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1943-1948.	7.2	47
13	Multiple Complexes of Long Aliphatic <i>N</i> -Acyltransferases Lead to Synthesis of 2,6-Diacylated/2-Acyl-Substituted Glycopeptide Antibiotics, Effectively Killing Vancomycin-Resistant <i>Enterococcus</i> . <i>Journal of the American Chemical Society</i> , 2014, 136, 10989-10995.	6.6	20
14	Chain Elongation and Cyclization in Type III PKS DpgA. <i>ChemBioChem</i> , 2012, 13, 862-871.	1.3	9
15	Combining biocatalysis and chemoselective chemistries for glycopeptide antibiotics modification. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 170-178.	2.8	18
16	Regioselective deacetylation based on teicoplanin-complexed Orf2* crystal structures. <i>Molecular BioSystems</i> , 2011, 7, 1224.	2.9	22
17	Interception of teicoplanin oxidation intermediates yields new antimicrobial scaffolds. <i>Nature Chemical Biology</i> , 2011, 7, 304-309.	3.9	58
18	In vitro Characterization of Enzymes Involved in the Synthesis of Nonproteinogenic Residue (2 <i>S</i> ,3 <i>S</i>)-Methylphenylalanine in Glycopeptide Antibiotic Mannopectimycin. <i>ChemBioChem</i> , 2009, 10, 2480-2487.	1.3	38

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19	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. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 808-821.	1.5	12
20	Solution structure of α -bungarotoxin: The functional significance of amino acid residues flanking the RGD motif in integrin binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 839-849.	1.5	32