

Chin-Yuan Chang

List of Publications by Year in descending order

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33
papers

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times ranked

1075
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#	ARTICLE	IF	CITATIONS
1	Electroluminescence and photocatalytic hydrogen evolution of S,N co-doped graphene oxide quantum dots. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3650-3658.	10.3	23
2	Structural and Mechanistic Bases for StnK3 and Its Mutant-Mediated Lewis-Acid-Dependent Epimerization and Retro-Aldol Reactions. <i>ACS Catalysis</i> , 2022, 12, 1945-1956.	11.2	0
3	Dual-Mechanism Confers Self-Resistance to the Antituberculosis Antibiotic Capreomycin. <i>ACS Chemical Biology</i> , 2022, 17, 138-146.	3.4	5
4	The Structure-Function Relationship of Human Bleomycin Hydrolase: Mutation of a Cysteine Protease into a Serine Protease. <i>ChemBioChem</i> , 2022, 23, .	2.6	2
5	Efficient and Reversible Catalysis of Formic Acid-Carbon Dioxide Cycle Using Carbamate-Substituted Ruthenium-Dithiolate Complexes. <i>ChemCatChem</i> , 2021, 13, 4092-4098.	3.7	4
6	Characterization of Enzymes Catalyzing the Formation of the Nonproteinogenic Amino Acid <i>l</i> -Dap in Capreomycin Biosynthesis. <i>Biochemistry</i> , 2021, 60, 77-84.	2.5	11
7	Terpene synthases in disguise: enzymology, structure, and opportunities of non-canonical terpene synthases. <i>Natural Product Reports</i> , 2020, 37, 425-463.	10.3	85
8	Characterization of TnmH as an <i>O</i> -Methyltransferase Revealing Insights into Tiancimycin Biosynthesis and Enabling a Biocatalytic Strategy To Prepare Antibody-Tiancimycin Conjugates. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8432-8441.	6.4	18
9	Pregnenolonyl- β -glucoside exhibits marked anti-cancer and CYP17A1 enzymatic inhibitory activities. <i>Chemical Communications</i> , 2020, 56, 1733-1736.	4.1	0
10	Genome mining and biosynthesis of kitacinnamycins as a STING activator. <i>Chemical Science</i> , 2019, 10, 4839-4846.	7.4	38
11	PokMT1 from the Polyketomycin Biosynthetic Machinery of <i>Streptomyces diastatochromogenes</i> TA146028 Belongs to the Emerging Family of <i>C</i> -Methyltransferases That Act on CoA-Activated Aromatic Substrates. <i>Biochemistry</i> , 2018, 57, 1003-1011.	2.5	8
12	Discovery of Alternative Producers of the Eneidyne Antitumor Antibiotic C-1027 with High Titters. <i>Journal of Natural Products</i> , 2018, 81, 594-599.	3.0	13
13	Structural Insights into the Free-Standing Condensation Enzyme SgcC5 Catalyzing Ester-Bond Formation in the Biosynthesis of the Eneidyne Antitumor Antibiotic C-1027. <i>Biochemistry</i> , 2018, 57, 3278-3288.	2.5	10
14	Comparative Studies of the Biosynthetic Gene Clusters for Anthraquinone-Fused Eneidyne Shedding Light into the Tailoring Steps of Tiancimycin Biosynthesis. <i>Organic Letters</i> , 2018, 20, 5918-5921.	4.6	34
15	Biochemical and Structural Characterization of TtnD, a Prenylated FMN-Dependent Decarboxylase from the Tautomycetin Biosynthetic Pathway. <i>ACS Chemical Biology</i> , 2018, 13, 2728-2738.	3.4	19
16	Resistance to Eneidyne Antitumor Antibiotics by Sequestration. <i>Cell Chemical Biology</i> , 2018, 25, 1075-1085.e4.	5.2	21
17	Natural separation of the acyl-CoA ligase reaction results in a non-adenylating enzyme. <i>Nature Chemical Biology</i> , 2018, 14, 730-737.	8.0	21
18	Genome Mining of <i>Micromonospora yangpuensis</i> DSM 45577 as a Producer of an Anthraquinone-Fused Eneidyne. <i>Organic Letters</i> , 2017, 19, 6192-6195.	4.6	55

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19	Crystal Structure of Thioesterase SgcE10 Supporting Common Polyene Intermediates in 9- and 10-Membered Eneidyne Core Biosynthesis. <i>ACS Omega</i> , 2017, 2, 5159-5169.	3.5	10
20	Cytochromes P450 for natural product biosynthesis in <i>Streptomyces</i> : sequence, structure, and function. <i>Natural Product Reports</i> , 2017, 34, 1141-1172.	10.3	147
21	Structure of the <i>ent</i> -Copalyl Diphosphate Synthase PtmT2 from <i>Streptomyces platensis</i> CB00739, a Bacterial Type II Diterpene Synthase. <i>Journal of the American Chemical Society</i> , 2016, 138, 10905-10915.	13.7	50
22	Crystal Structures of SgcE6 and SgcC, the Two-Component Monooxygenase That Catalyzes Hydroxylation of a Carrier Protein-Tethered Substrate during the Biosynthesis of the Eneidyne Antitumor Antibiotic C-1027 in <i>Streptomyces globisporus</i> . <i>Biochemistry</i> , 2016, 55, 5142-5154.	2.5	18
23	Characterization of the Ketosynthase and Acyl Carrier Protein Domains at the LnmI Nonribosomal Peptide Synthetase-Polyketide Synthase Interface for Leinamycin Biosynthesis. <i>Organic Letters</i> , 2016, 18, 4288-4291.	4.6	13
24	Crystal structure of SgcJ, an NTF2-like superfamily protein involved in biosynthesis of the nine-membered eneidyne antitumor antibiotic C-1027. <i>Journal of Antibiotics</i> , 2016, 69, 731-740.	2.0	10
25	Crystal Structure of the Zorbamycin-Binding Protein ZbmA, the Primary Self-Resistance Element in <i>Streptomyces flavoviridis</i> ATCC21892. <i>Biochemistry</i> , 2015, 54, 6842-6851.	2.5	9
26	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
27	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
28	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.	13.8	47
29	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.	13.7	20
30	Crystal Structure and Inhibition Studies of Transglutaminase from <i>Streptomyces mobaraense</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 7301-7307.	3.4	46
31	Crystal Structure and Mutational Analysis of Aminoacylhistidine Dipeptidase from <i>Vibrio alginolyticus</i> Reveal a New Architecture of M20 Metallopeptidases. <i>Journal of Biological Chemistry</i> , 2010, 285, 39500-39510.	3.4	17
32	Purification, crystallization and preliminary X-ray analysis of an aminoacylhistidine dipeptidase (PepD) from <i>Vibrio alginolyticus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 216-218.	0.7	3
33	Expression and characterization of the biofilm-related and carnosine-hydrolyzing aminoacylhistidine dipeptidase from <i>Vibrio alginolyticus</i> . <i>FEBS Journal</i> , 2008, 275, 5007-5020.	4.7	10