

Wenlong Cai

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

751
citations

516710

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677142

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23
all docs

23
docs citations

23
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	The Preparation and Structure Analysis Methods of Natural Polysaccharides of Plants and Fungi: A Review of Recent Development. <i>Molecules</i> , 2019, 24, 3122.	3.8	116
2	Biosynthesis of isonitrile lipopeptides by conserved nonribosomal peptide synthetase gene clusters in Actinobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7025-7030.	7.1	62
3	Macrocyclic colibactin induces DNA double-strand breaks via copper-mediated oxidative cleavage. <i>Nature Chemistry</i> , 2019, 11, 880-889.	13.6	60
4	Identification of the Biosynthetic Pathway for the Antibiotic Bicyclomycin. <i>Biochemistry</i> , 2018, 57, 61-65.	2.5	55
5	The industrial anaerobe <i>Clostridium acetobutylicum</i> uses polyketides to regulate cellular differentiation. <i>Nature Communications</i> , 2017, 8, 1514.	12.8	42
6	Antibacterial and Cytotoxic Actinomycins Y ₆ and Z _p from <i>Streptomyces</i> sp. Strain GA η -GS12. <i>Journal of Natural Products</i> , 2016, 79, 2731-2739.	3.0	39
7	Identifying the Biosynthetic Gene Cluster for Triacsins with an N-Hydroxytriazene Moiety. <i>ChemBioChem</i> , 2019, 20, 1145-1149.	2.6	39
8	Bacterial metabolism rescues the inhibition of intestinal drug absorption by food and drug additives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16009-16018.	7.1	39
9	Adaptation of <i>Mycobacterium tuberculosis</i> to Biofilm Growth Is Genetically Linked to Drug Tolerance. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	38
10	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9707-9710.	13.8	36
11	Engineering modular polyketide synthases for production of biofuels and industrial chemicals. <i>Current Opinion in Biotechnology</i> , 2018, 50, 32-38.	6.6	34
12	Bi- and Tetracyclic Spirotetronates from the Coal Mine Fire Isolate <i>Streptomyces</i> sp. LC-6-2. <i>Journal of Natural Products</i> , 2017, 80, 1141-1149.	3.0	32
13	Biosynthesis of triascin featuring an N-hydroxytriazene pharmacophore. <i>Nature Chemical Biology</i> , 2021, 17, 1305-1313.	8.0	30
14	The Biosynthesis of Capuramycin-type Antibiotics. <i>Journal of Biological Chemistry</i> , 2015, 290, 13710-13724.	3.4	28
15	Facile Discovery and Quantification of Isonitrile Natural Products via Tetrazine-Based Click Reactions. <i>Analytical Chemistry</i> , 2020, 92, 599-602.	6.5	21
16	A biocatalytic approach to capuramycin analogues by exploiting a substrate permissive N-transacylase CapW. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3956-3962.	2.8	16
17	Biochemical and crystallographic investigations into isonitrile formation by a nonheme iron-dependent oxidase/decarboxylase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100231.	3.4	16
18	Investigation of secondary metabolism in the industrial butanol hyper-producer <i>Clostridium saccharoperbutylacetonicum</i> N1-4. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 319-328.	3.0	15

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19	Evidence that oxidative dephosphorylation by the nonheme Fe(^{II}), α -ketoglutarate:UMP oxygenase occurs by stereospecific hydroxylation. FEBS Letters, 2017, 591, 468-478.	2.8	11
20	Probing the Mechanism of Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. Journal of the American Chemical Society, 2022, 144, 5893-5901.	13.7	9
21	Discovery and Biosynthesis of Clostyrylpyrones from the Obligate Anaerobe <i>Clostridium roseum</i> . Organic Letters, 2020, 22, 8204-8209.	4.6	7
22	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. Angewandte Chemie, 2018, 130, 9855-9858.	2.0	6