

Guangkai Bian

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

586
citations

687363

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times ranked

461
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic identification of <i>Ocimum sanctum</i> sesquiterpenoid synthases and (E)-eremophilene overproduction in engineered yeast. <i>Metabolic Engineering</i> , 2022, 69, 122-133.	7.0	24
2	Efficient exploration of terpenoid biosynthetic gene clusters in filamentous fungi. <i>Nature Catalysis</i> , 2022, 5, 277-287.	34.4	33
3	Solar-Driven Overproduction of Biofuels in Microorganisms. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5
4	Discovery of non-squalene triterpenes. <i>Nature</i> , 2022, 606, 414-419.	27.8	71
5	Systematic mining of fungal chimeric terpene synthases using an efficient precursor-providing yeast chassis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
6	A Family of Related Fungal and Bacterial Diene and Sesterterpenes: Studies on Fusaterpenol and Variediene. <i>ChemBioChem</i> , 2020, 21, 486-491.	2.6	13
7	Discovery of the cryptic function of terpene cyclases as aromatic prenyltransferases. <i>Nature Communications</i> , 2020, 11, 3958.	12.8	22
8	Semisynthesis of Plant-Derived Englerin A Enabled by Microbe Engineering of Guaia-6,10(14)-diene as Building Block. <i>Journal of the American Chemical Society</i> , 2020, 142, 2760-2765.	13.7	36
9	Genome mining in <i>Trichoderma viride</i> J1-030: discovery and identification of novel sesquiterpene synthase and its products. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2052-2058.	2.2	13
10	Sesquiterpenoids Produced by Combining Two Sesquiterpene Cyclases with Promiscuous Myxobacterial CYP260B1. <i>ChemBioChem</i> , 2019, 20, 677-682.	2.6	9
11	Metabolic Engineering-Based Rapid Characterization of a Sesquiterpene Cyclase and the Skeletons of Fusariumdiene and Fusagramineol from <i>Fusarium graminearum</i> . <i>Organic Letters</i> , 2018, 20, 1626-1629.	4.6	27
12	Eine chimäre pilzliche Diterpensynthase der Klade II aus <i>Colletotrichum gloeosporioides</i> produziert Dolasta-(15),8-dien. <i>Angewandte Chemie</i> , 2018, 130, 16113-16117.	2.0	15
13	A Clade II Fungal Chimeric Diterpene Synthase from <i>Colletotrichum gloeosporioides</i> Produces Dolasta-(15),8-diene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15887-15890.	13.8	57
14	In Vivo Platforms for Terpenoid Overproduction and the Generation of Chemical Diversity. <i>Methods in Enzymology</i> , 2018, 608, 97-129.	1.0	7
15	Production of taxadiene by engineering of mevalonate pathway in <i>Escherichia coli</i> and endophytic fungus <i>Alternaria alternata</i> TPF6. <i>Biotechnology Journal</i> , 2017, 12, 1600697.	3.5	39
16	Releasing the potential power of terpene synthases by a robust precursor supply platform. <i>Metabolic Engineering</i> , 2017, 42, 1-8.	7.0	93
17	Strategies for terpenoid overproduction and new terpenoid discovery. <i>Current Opinion in Biotechnology</i> , 2017, 48, 234-241.	6.6	99
18	Solar-Driven Overproduction of Biofuels in Microorganisms. <i>Angewandte Chemie</i> , 0, .	2.0	0