

Sibongile Mafu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

635
citations

933447

10
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	To Gibberellins and Beyond! Surveying the Evolution of (Di)Terpenoid Metabolism. Annual Review of Plant Biology, 2014, 65, 259-286.	18.7	228
2	Discovery, Biosynthesis and Stress-Related Accumulation of Dolabradiene-Derived Defenses in Maize. Plant Physiology, 2018, 176, 2677-2690.	4.8	94
3	Multiple genes recruited from hormone pathways partition maize diterpenoid defences. Nature Plants, 2019, 5, 1043-1056.	9.3	60
4	Probing the promiscuity of <i>ent</i> -kaurene oxidases via combinatorial biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2526-2531.	7.1	53
5	Molecular Diversity of Terpene Synthases in the Liverwort <i>Marchantia polymorpha</i> . Plant Cell, 2016, 28, tpc.00062.2016.	6.6	48
6	A Novel $\lambda^7,13$ - <i>ent</i> - λ^15 - <i>col</i> -Producing Bifunctional Diterpene Synthase from <i>Selaginella moellendorffii</i> . ChemBioChem, 2011, 12, 1984-1987.	2.6	43
7	Exploring diterpene metabolism in non-model species: transcriptome-enabled discovery and functional characterization of $\lambda^7,13$ - <i>ent</i> - λ^15 - <i>col</i> -diphenyl diphosphate synthase from <i>Grindelia robusta</i> . Plant Journal, 2015, 83, 783-793.	5.7	31
8	Plant diterpenoid metabolism for manufacturing the biopharmaceuticals of tomorrow: prospects and challenges. Phytochemistry Reviews, 2018, 17, 113-130.	6.5	31
9	Biosynthesis of the microtubule-destabilizing diterpene pseudolaric acid B from golden larch involves an unusual diterpene synthase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 974-979.	7.1	21
10	Substitution of Two Active Site Residues Alters C9-Hydroxylation in a Class II Diterpene Synthase. ChemBioChem, 2016, 17, 2304-2307.	2.6	16
11	Synthesis of Novel Stilbene-Coumarin Derivatives and Antifungal Screening of Monoterpenoid-Specialized Metabolites Against <i>Fusarium oxysporum</i> . Antibiotics, 2020, 9, 537.	3.7	5
12	High-Throughput Screening Assays to Identify Plant Natural Products with Antifungal Properties Against <i>Fusarium oxysporum</i> . Methods in Molecular Biology, 2022, 2391, 171-184.	0.9	3
13	Specialized metabolites as mediators for plant-fungus crosstalk and their evolving roles. Current Opinion in Plant Biology, 2021, 64, 102141.	7.1	2