

Man-Cheng Tang

List of Publications by Year in descending order

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33
papers

1,447
citations

394421

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377865

34
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34
all docs

34
docs citations

34
times ranked

1676
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Cyclization in Natural Product Biosynthesis. <i>Chemical Reviews</i> , 2017, 117, 5226-5333.	47.7	288
2	HEx: A heterologous expression platform for the discovery of fungal natural products. <i>Science Advances</i> , 2018, 4, eaar5459.	10.3	167
3	SAM-dependent enzyme-catalysed pericyclic reactions in natural product biosynthesis. <i>Nature</i> , 2017, 549, 502-506.	27.8	155
4	Biochemical Characterization of a Eukaryotic Decalin-Forming Diels-Alderase. <i>Journal of the American Chemical Society</i> , 2016, 138, 15837-15840.	13.7	98
5	Collaborative Biosynthesis of Maleimide- and Succinimide-Containing Natural Products by Fungal Polyketide Megasyntases. <i>Journal of the American Chemical Society</i> , 2017, 139, 5317-5320.	13.7	59
6	Genome Mining and Assembly-Line Biosynthesis of the UCS1025A Pyrrolizidinone Family of Fungal Alkaloids. <i>Journal of the American Chemical Society</i> , 2018, 140, 2067-2071.	13.7	58
7	Tandem Prenyltransferases Catalyze Isoprenoid Elongation and Complexity Generation in Biosynthesis of Quinolone Alkaloids. <i>Journal of the American Chemical Society</i> , 2015, 137, 4980-4983.	13.7	55
8	Fungal Highly Reducing Polyketide Synthases Biosynthesize Salicylaldehydes That Are Precursors to Epoxycyclohexenol Natural Products. <i>Journal of the American Chemical Society</i> , 2019, 141, 19538-19541.	13.7	45
9	Biosynthesis of Complex Indole Alkaloids: Elucidation of the Concise Pathway of Okaramines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9478-9482.	13.8	41
10	An enzymatic Alder-ene reaction. <i>Nature</i> , 2020, 586, 64-69.	27.8	41
11	Genome Mining of Alkaloidal Terpenoids from a Hybrid Terpene and Nonribosomal Peptide Biosynthetic Pathway. <i>Journal of the American Chemical Society</i> , 2020, 142, 710-714.	13.7	40
12	Engineering the biocatalytic selectivity of iridoid production in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2017, 44, 117-125.	7.0	37
13	Hijacking a hydroxyethyl unit from a central metabolic ketose into a nonribosomal peptide assembly line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8540-8545.	7.1	33
14	A Cascade of Redox Reactions Generates Complexity in the Biosynthesis of the Protein Phosphatase Inhibitor Rubratoxin A. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4782-4786.	13.8	33
15	Naphthyridinomycin Biosynthesis Revealing the Use of Leader Peptide to Guide Nonribosomal Peptide Assembly. <i>Organic Letters</i> , 2013, 15, 3674-3677.	4.6	31
16	Characterization of SfmD as a Heme Peroxidase That Catalyzes the Regioselective Hydroxylation of 3-Methyltyrosine to 3-Hydroxy-5-methyltyrosine in Saframycin A Biosynthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 5112-5121.	3.4	29
17	Extracellularly oxidative activation and inactivation of matured prodrug for cryptic self-resistance in naphthyridinomycin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11232-11237.	7.1	29
18	Identification of the pyranonigrin A biosynthetic gene cluster by genome mining in <i>Penicillium thymicola</i> IBT 5891. <i>AIChE Journal</i> , 2018, 64, 4182-4186.	3.6	24

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19	Biosynthesis of Tetrahydroisoquinoline Antibiotics. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 1717-1726.	2.1	23
20	Thioesterase-Catalyzed Aminoacylation and Thiolation of Polyketides in Fungi. <i>Journal of the American Chemical Society</i> , 2019, 141, 8198-8206.	13.7	20
21	Biosynthesis of <i>para</i> -Cyclophane-Containing Hirsutellone Family of Fungal Natural Products. <i>Journal of the American Chemical Society</i> , 2021, 143, 5605-5609.	13.7	19
22	Catalysis of Extracellular Deamination by a FAD-Linked Oxidoreductase after Prodrug Maturation in the Biosynthesis of Saframycin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9116-9120.	13.8	18
23	Reversible Product Release and Recapture by a Fungal Polyketide Synthase Using a Carnitine Acyltransferase Domain. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9556-9560.	13.8	17
24	One-Pot Asymmetric Synthesis of an Aminodiol Intermediate of Florfenicol Using Engineered Transketolase and Transaminase. <i>ACS Catalysis</i> , 2021, 11, 7477-7488.	11.2	16
25	Genome-Directed Discovery of Tetrahydroisoquinolines from Deep-Sea Derived <i>Streptomyces niveus</i> SCSIO 3406. <i>Journal of Organic Chemistry</i> , 2021, 86, 11107-11116.	3.2	14
26	Reductive inactivation of the hemiaminal pharmacophore for resistance against tetrahydroisoquinoline antibiotics. <i>Nature Communications</i> , 2021, 12, 7085.	12.8	11
27	Biosynthesis of Complex Indole Alkaloids: Elucidation of the Concise Pathway of Okaramines. <i>Angewandte Chemie</i> , 2017, 129, 9606-9610.	2.0	10
28	Aryl C-H iodination: are there actual flavin-dependent iodinases in nature?. <i>Science China Chemistry</i> , 2021, 64, 1730-1735.	8.2	9
29	TerC Is a Multifunctional and Promiscuous Flavoprotein Monooxygenase That Catalyzes Bimodal Oxidative Transformations. <i>Organic Letters</i> , 2021, 23, 8947-8951.	4.6	8
30	Combinatorial Biosynthesis of Terpenoids through Mixing-and-Matching Sesquiterpene Cyclase and Cytochrome P450 Pairs. <i>Organic Letters</i> , 2022, 24, 4783-4787.	4.6	6
31	Reversible Product Release and Recapture by a Fungal Polyketide Synthase Using a Carnitine Acyltransferase Domain. <i>Angewandte Chemie</i> , 2017, 129, 9684-9688.	2.0	5
32	A Cascade of Redox Reactions Generates Complexity in the Biosynthesis of the Protein Phosphatase Inhibitor Rubratoxin. <i>Angewandte Chemie</i> , 2017, 129, 4860-4864.	2.0	4
33	Catalysis of Extracellular Deamination by a FAD-Linked Oxidoreductase after Prodrug Maturation in the Biosynthesis of Saframycin. <i>Angewandte Chemie</i> , 2017, 129, 9244-9248.	2.0	2