

Frank Hahn

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

603
citations

840776

11
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging Chemical Synthesis and Biosynthesis: A New Chapter in the Total Synthesis of Natural Products and Natural Product Libraries. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4012-4022.	13.8	149
2	A Dehydratase Domain in Ambruticin Biosynthesis Displays Additional Activity as a Pyran-Forming Cyclase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14240-14244.	13.8	59
3	Biosynthesis of oxygen and nitrogen-containing heterocycles in polyketides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1512-1550.	2.2	49
4	Opportunities for enzyme catalysis in natural product chemistry. <i>Tetrahedron</i> , 2015, 71, 1473-1508.	1.9	43
5	Stereoselectivity of Isolated Dehydratase Domains of the Borrelidin Polyketide Synthase: Implications for <i>cis</i> Double Bond Formation. <i>ChemBioChem</i> , 2011, 12, 1011-1014.	2.6	42
6	Uncovering the origin of Z-configured double bonds in polyketides: intermediate E-double bond formation during borrelidin biosynthesis. <i>Chemical Science</i> , 2014, 5, 3563-3567.	7.4	27
7	The Interplay between a Multifunctional Dehydratase Domain and a Methyltransferase Effects Olefin Shift in Ambruticin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13589-13592.	13.8	26
8	Total Synthesis of Complex Biosynthetic Late-Stage Intermediates and Bioconversion by a Tailoring Enzyme from Jerangolid Biosynthesis. <i>Journal of Organic Chemistry</i> , 2018, 83, 14091-14101.	3.2	23
9	Insights into the Dual Activity of a Bifunctional Dehydratase-Cyclase Domain. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 343-347.	13.8	22
10	An Unusual Fatty Acyl:Adenylate Ligase (FAAL)-Acyl Carrier Protein (ACP) Didomain in Ambruticin Biosynthesis. <i>ChemBioChem</i> , 2018, 19, 1006-1011.	2.6	15
11	Biocatalysts from Biosynthetic Pathways: Enabling Stereoselective, Enzymatic Cycloether Formation on a Gram Scale. <i>ACS Catalysis</i> , 2020, 10, 4973-4982.	11.2	13
12	Synthesis of complex intermediates for the study of a dehydratase from borrelidin biosynthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 634-640.	2.2	10
13	The ambruticins and jerangolids - chemistry, biology and chemoenzymatic synthesis of potent antifungal drug candidates. <i>Natural Product Reports</i> , 2020, 37, 1300-1315.	10.3	9
14	Step-Economic Synthesis of Biomimetic β^2 -Ketopolyene Thioesters and Demonstration of Their Usefulness in Enzymatic Biosynthesis Studies. <i>Organic Letters</i> , 2020, 22, 4955-4959.	4.6	7
15	Cross-linking of a polyketide synthase domain leads to a recyclable biocatalyst for chiral oxygen heterocycle synthesis. <i>RSC Advances</i> , 2021, 11, 20248-20251.	3.6	7
16	Characterisation of the Broadly-Specific O-Methyl-transferase JerF from the Late Stages of Jerangolid Biosynthesis. <i>Molecules</i> , 2016, 21, 1443.	3.8	6
17	Das Zusammenspiel zwischen einer multifunktionalen Dehydratase-Domäne und einer Methyltransferase bewirkt die Doppelbindungsverschiebung in der Ambruticin-Biosynthese. <i>Angewandte Chemie</i> , 2016, 128, 13787-13790.	2.0	5
18	Einblicke in die duale Aktivität einer bifunktionalen Dehydratase-Cyclase-Domäne. <i>Angewandte Chemie</i> , 2018, 130, 349-353.	2.0	4

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19	Studying a Bottleneck of Multimodular Polyketide Synthase Processing: the Polyketide Structure-Dependent Performance of Ketoreductase Domains. ACS Chemical Biology, 2022, 17, 1030-1037.	3.4	4
20	Heterocycle biosynthesis via C-H functionalization. Nature Catalysis, 2018, 1, 905-906.	34.4	1