

Frank Hahn

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

603
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840776

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25
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying a Bottleneck of Multimodular Polyketide Synthase Processing: the Polyketide Structure-Dependent Performance of Ketoreductase Domains. <i>ACS Chemical Biology</i> , 2022, 17, 1030-1037.	3.4	4
2	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
3	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
4	Step-Economic Synthesis of Biomimetic Î ² -Ketopolyene Thioesters and Demonstration of Their Usefulness in Enzymatic Biosynthesis Studies. <i>Organic Letters</i> , 2020, 22, 4955-4959.	4.6	7
5	Biocatalysts from Biosynthetic Pathways: Enabling Stereoselective, Enzymatic Cycloether Formation on a Gram Scale. <i>ACS Catalysis</i> , 2020, 10, 4973-4982.	11.2	13
6	Einblicke in die duale Aktivität einer bifunktionalen Dehydrataseâ€Cyclaseâ€C-Domäne. <i>Angewandte Chemie</i> , 2018, 130, 349-353.	2.0	4
7	An Unusual Fatty Acyl:Adenylate Ligase (FAAL)â€Acyl Carrier Protein (ACP) Didomain in Ambruticin Biosynthesis. <i>ChemBioChem</i> , 2018, 19, 1006-1011.	2.6	15
8	Insights into the Dual Activity of a Bifunctional Dehydrataseâ€Cyclase Domain. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 343-347.	13.8	22
9	Heterocycle biosynthesis via C-H functionalization. <i>Nature Catalysis</i> , 2018, 1, 905-906.	34.4	1
10	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
11	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
12	Biosynthesis of oxygen and nitrogen-containing heterocycles in polyketides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1512-1550.	2.2	49
13	Das Zusammenspiel zwischen einer multifunktionalen Dehydrataseâ€C-Domäne und einer C-Methyltransferase bewirkt die Doppelbindungsverschiebung in der Ambruticinâ€Biosynthese. <i>Angewandte Chemie</i> , 2016, 128, 13787-13790.	2.0	5
14	The Interplay between a Multifunctional Dehydratase Domain and a C-Methyltransferase Effects Olefin Shift in Ambruticin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13589-13592.	13.8	26
15	Opportunities for enzyme catalysis in natural product chemistry. <i>Tetrahedron</i> , 2015, 71, 1473-1508.	1.9	43
16	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
17	A Dehydratase Domain in Ambruticin Biosynthesis Displays Additional Activity as a Pyranâ€Forming Cyclase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14240-14244.	13.8	59
18	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

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19	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
20	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