

Douglas A Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,117
citations

623734

14
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888059

17
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docs citations

18
times ranked

1292
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Selectivity and Creating Structural Diversity Through Hybrid Polyketide Synthases. <i>Angewandte Chemie</i> , 2020, 132, 13677-13682.	2.0	1
2	Probing Selectivity and Creating Structural Diversity Through Hybrid Polyketide Synthases. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13575-13580.	13.8	10
3	Nonribosomal biosynthesis of backbone-modified peptides. <i>Nature Chemistry</i> , 2018, 10, 282-287.	13.6	92
4	Evolution of a highly active and enantiospecific metalloenzyme from short peptides. <i>Science</i> , 2018, 362, 1285-1288.	12.6	116
5	Inversion of Extender Unit Selectivity in the Erythromycin Polyketide Synthase by Acyltransferase Domain Engineering. <i>ACS Chemical Biology</i> , 2017, 12, 114-123.	3.4	54
6	Identification of a Thioesterase Bottleneck in the Pikromycin Pathway through Full-Module Processing of Unnatural Pentaketides. <i>Journal of the American Chemical Society</i> , 2017, 139, 13450-13455.	13.7	21
7	A Single Active Site Mutation in the Pikromycin Thioesterase Generates a More Effective Macrocyclization Catalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 13456-13465.	13.7	39
8	Co-produced natural ketolides methymycin and pikromycin inhibit bacterial growth by preventing synthesis of a limited number of proteins. <i>Nucleic Acids Research</i> , 2017, 45, 9573-9582.	14.5	29
9	Substrate Controlled Divergence in Polyketide Synthase Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 3735-3738.	13.7	18
10	Evolution of Efficient Modular Polyketide Synthases by Homologous Recombination. <i>Journal of the American Chemical Society</i> , 2015, 137, 10603-10609.	13.7	39
11	Resistance to ketolide antibiotics by coordinated expression of rRNA methyltransferases in a bacterial producer of natural ketolides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12956-12961.	7.1	26
12	Function and Regulation of Resistance Genes in Ketolide producing Bacteria. <i>FASEB Journal</i> , 2015, 29, 892.5.	0.5	0
13	Structure of a modular polyketide synthase. <i>Nature</i> , 2014, 510, 512-517.	27.8	269
14	Structural rearrangements of a polyketide synthase module during its catalytic cycle. <i>Nature</i> , 2014, 510, 560-564.	27.8	168
15	Directing Group-Controlled Regioselectivity in an Enzymatic C-H Bond Oxygenation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4901-4904.	13.7	75
16	Cyanobacterial Polyketide Synthase Docking Domains: A Tool for Engineering Natural Product Biosynthesis. <i>Chemistry and Biology</i> , 2013, 20, 1340-1351.	6.0	100
17	Biocatalytic Synthesis of Pikromycin, Methymycin, Neomethymycin, Novamethymycin, and Ketomethymycin. <i>Journal of the American Chemical Society</i> , 2013, 135, 11232-11238.	13.7	50
18	Triple molecular target approach to selective melanoma cytotoxicity. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1577.	2.8	10