Douglas A Hansen

List of Publications by Year
in descending order

18	1,117	623734	888059
papers	citations	14 h-index	17 g-index

18	18	18	1292
all docs	docs citations	times ranked	citing authors

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