

# Jaclyn M Winter

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,707  
citations

471509

17  
h-index

580821

25  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Halogenation and Dehalogenation Reactions: Pervasive and Mechanistically Diverse. <i>Chemical Reviews</i> , 2017, 117, 5619-5674.	47.7	281
2	Genomics-inspired discovery of natural products. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 22-31.	6.1	225
3	Exploring the Chemistry and Biology of Vanadium-dependent Haloperoxidases. <i>Journal of Biological Chemistry</i> , 2009, 284, 18577-18581.	3.4	197
4	Molecular Basis for Chloronium-mediated Meroterpene Cyclization. <i>Journal of Biological Chemistry</i> , 2007, 282, 16362-16368.	3.4	157
5	A Stereoselective Vanadium-Dependent Chloroperoxidase in Bacterial Antibiotic Biosynthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 4268-4270.	13.7	109
6	Significant Natural Product Biosynthetic Potential of Actinorhizal Symbionts of the Genus <i>Frankia</i> , as Revealed by Comparative Genomic and Proteomic Analyses. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3617-3625.	3.1	94
7	Identification and Characterization of the Chaetoviridin and Chaetomugilin Gene Cluster in <i>Chaetomium globosum</i> Reveal Dual Functions of an Iterative Highly-Reducing Polyketide Synthase. <i>Journal of the American Chemical Society</i> , 2012, 134, 17900-17903.	13.7	93
8	Synthetic biological approaches to natural product biosynthesis. <i>Current Opinion in Biotechnology</i> , 2012, 23, 736-743.	6.6	71
9	Formation of the Pyridazine Natural Product Azamerone by Biosynthetic Rearrangement of an Aryl Diazoketone. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 767-770.	13.8	67
10	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
11	Biochemical and Structural Basis for Controlling Chemical Modularity in Fungal Polyketide Biosynthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 9885-9893.	13.7	53
12	Expanding the Structural Diversity of Polyketides by Exploring the Cofactor Tolerance of an Inline Methyltransferase Domain. <i>Organic Letters</i> , 2013, 15, 3774-3777.	4.6	47
13	Salinipeptins: Integrated Genomic and Chemical Approaches Reveal Unusual $\alpha$ -Amino Acid-Containing Ribosomally Synthesized and Post-Translationally Modified Peptides (RiPPs) from a Great Salt Lake <i>Streptomyces</i> sp.. <i>ACS Chemical Biology</i> , 2019, 14, 415-425.	3.4	46
14	Animal biosynthesis of complex polyketides in a photosynthetic partnership. <i>Nature Communications</i> , 2020, 11, 2882.	12.8	38
15	Combinatorial Generation of Chemical Diversity by Redox Enzymes in Chaetoviridin Biosynthesis. <i>Organic Letters</i> , 2016, 18, 1446-1449.	4.6	34
16	Antifungal natural products. <i>Current Opinion in Biotechnology</i> , 2021, 69, 232-241.	6.6	34
17	Synthesis and biological evaluation of B-ring modified colchicine and isocolchicine analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2761-2764.	2.2	23
18	Complementary Genomic, Bioinformatics, and Chemical Approaches Facilitate the Absolute Structure Assignment of Ionostatin, a Linear Polyketide from a Rare Marine-Derived Actinomycete. <i>ACS Chemical Biology</i> , 2020, 15, 2507-2515.	3.4	15

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19	Comparison of 10,11-Dehydrocurvularin Polyketide Synthases from <i>Alternaria cinerariae</i> and <i>Aspergillus terreus</i> Highlights Key Structural Motifs. <i>ChemBioChem</i> , 2015, 16, 2479-2483.	2.6	13
20	Discovery and characterization of a cytochalasan biosynthetic cluster from the marine-derived fungus <i>Aspergillus flavipes</i> CNL-338. <i>Journal of Antibiotics</i> , 2020, 73, 803-807.	2.0	12
21	Bonnevillamides, Linear Heptapeptides Isolated from a Great Salt Lake-Derived <i>Streptomyces</i> sp.. <i>Marine Drugs</i> , 2017, 15, 195.	4.6	10
22	Azetidine-Bearing Non-Ribosomal Peptides, Bonnevillamides D and E, Isolated from a Carrion Beetle-Associated Actinomycete. <i>Journal of Organic Chemistry</i> , 2021, 86, 11149-11159.	3.2	10
23	Emerimicins X, 15-Residue Peptaibols Discovered from an <i>Acremonium</i> sp. through Integrated Genomic and Chemical Approaches. <i>Journal of Natural Products</i> , 2021, 84, 1113-1126.	3.0	9
24	Marinoterpins C: Rare Linear Merosesterterpenoids from Marine-Derived Actinomycete Bacteria of the Family Streptomycetaceae. <i>Journal of Organic Chemistry</i> , 2021, 86, 11140-11148.	3.2	8
25	Getting a handle on peptides. <i>Nature Chemistry</i> , 2014, 6, 1037-1038.	13.6	1
26	A Community Effort: Combining Functional Amplicon Sequencing and Metagenomics Reveals Potential Biosynthetic Gene Clusters Associated with Protective Phenotypes in Rhizosphere Microbiomes. <i>MSystems</i> , 2021, 6, e0058721.	3.8	1