

Bradley S Moore

List of Publications by Citations

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178
papers

15,111
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120
g-index

195
ext. papers

18,073
ext. citations

10.3
avg, IF

6.68
L-index

#	Paper	IF	Citations
178	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016 , 34, 828-837	44.5	1566
177	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013 , 30, 108-60	15.1	1298
176	Mass spectral molecular networking of living microbial colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1743-52	11.5	593
175	Genomic basis for natural product biosynthetic diversity in the actinomycetes. <i>Natural Product Reports</i> , 2009 , 26, 1362-84	15.1	533
174	Molecular evidence for a uniform microbial community in sponges from different oceans. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4431-40	4.8	531
173	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015 , 11, 625-31	11.7	498
172	Lessons from the past and charting the future of marine natural products drug discovery and chemical biology. <i>Chemistry and Biology</i> , 2012 , 19, 85-98		443
171	Genome sequencing reveals complex secondary metabolome in the marine actinomycete <i>Salinispora tropica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10376-81	11.5	443
170	Direct cloning and refactoring of a silent lipopeptide biosynthetic gene cluster yields the antibiotic taromycin A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1957-62	11.5	335
169	A mass spectrometry-guided genome mining approach for natural product peptidogenomics. <i>Nature Chemical Biology</i> , 2011 , 7, 794-802	11.7	292
168	Microbial and biochemical basis of a <i>Fusarium</i> wilt-suppressive soil. <i>ISME Journal</i> , 2016 , 10, 119-29	11.9	224
167	MS/MS networking guided analysis of molecule and gene cluster families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2611-20	11.5	214
166	Biosynthesis of polybrominated aromatic organic compounds by marine bacteria. <i>Nature Chemical Biology</i> , 2014 , 10, 640-7	11.7	188
165	Enzymatic Halogenation and Dehalogenation Reactions: Pervasive and Mechanistically Diverse. <i>Chemical Reviews</i> , 2017 , 117, 5619-5674	68.1	184
164	Identification of Thiotetronic Acid Antibiotic Biosynthetic Pathways by Target-directed Genome Mining. <i>ACS Chemical Biology</i> , 2015 , 10, 2841-2849	4.9	173
163	Salinosporamide natural products: Potent 20 S proteasome inhibitors as promising cancer chemotherapeutics. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9346-67	16.4	173
162	Discovery and characterization of a marine bacterial SAM-dependent chlorinase. <i>Nature Chemical Biology</i> , 2008 , 4, 69-74	11.7	172

161	Exploring the chemistry and biology of vanadium-dependent haloperoxidases. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18577-81	5.4	159
160	Merochlorins A-D, cyclic meroterpenoid antibiotics biosynthesized in divergent pathways with vanadium-dependent chloroperoxidases. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11988-91	16.4	154
159	Genomic islands link secondary metabolism to functional adaptation in marine Actinobacteria. <i>ISME Journal</i> , 2009 , 3, 1193-203	11.9	153
158	Reinvigorating natural product combinatorial biosynthesis with synthetic biology. <i>Nature Chemical Biology</i> , 2015 , 11, 649-59	11.7	151
157	Biosynthesis of the salinosporamide A polyketide synthase substrate chloroethylmalonyl-coenzyme A from S-adenosyl-L-methionine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12295-300	11.5	146
156	Molecular basis for chloronium-mediated meroterpene cyclization: cloning, sequencing, and heterologous expression of the napyradiomycin biosynthetic gene cluster. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16362-8	5.4	141
155	Crystal structure of a bacterial type III polyketide synthase and enzymatic control of reactive polyketide intermediates. <i>Journal of Biological Chemistry</i> , 2004 , 279, 45162-74	5.4	138
154	Cloning, sequencing and analysis of the enterocin biosynthesis gene cluster from the marine isolate 'Streptomyces maritimus': evidence for the derailment of an aromatic polyketide synthase. <i>Chemistry and Biology</i> , 2000 , 7, 943-55		137
153	Biosynthesis and structures of cyclomarins and cyclomarazines, prenylated cyclic peptides of marine actinobacterial origin. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4507-16	16.4	136
152	Biosynthesis of the allylmalonyl-CoA extender unit for the FK506 polyketide synthase proceeds through a dedicated polyketide synthase and facilitates the mutasynthesis of analogues. <i>Journal of the American Chemical Society</i> , 2011 , 133, 976-85	16.4	127
151	Binding of two flavin substrate molecules, oxidative coupling, and crystal structure of Streptomyces coelicolor A3(2) cytochrome P450 158A2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 11599-607	5.4	126
150	The marine actinomycete genus Salinispora: a model organism for secondary metabolite discovery. <i>Natural Product Reports</i> , 2015 , 32, 738-51	15.1	122
149	Molecular networking and pattern-based genome mining improves discovery of biosynthetic gene clusters and their products from Salinispora species. <i>Chemistry and Biology</i> , 2015 , 22, 460-471		122
148	Bacterial biosynthesis and maturation of the didemnin anti-cancer agents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8625-32	16.4	121
147	Automated genome mining of ribosomal peptide natural products. <i>ACS Chemical Biology</i> , 2014 , 9, 1545-51	5.1	114
146	Mutasynthesis of fluorosalinosporamide, a potent and reversible inhibitor of the proteasome. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3936-8	16.4	113
145	Engineering fluorometabolite production: fluorinase expression in Salinispora tropica Yields Fluorosalinoporamide. <i>Journal of Natural Products</i> , 2010 , 73, 378-82	4.9	111
144	Enzymatic total synthesis of enterocin polyketides. <i>Nature Chemical Biology</i> , 2007 , 3, 557-8	11.7	109

143	Beyond ethylmalonyl-CoA: the functional role of crotonyl-CoA carboxylase/reductase homologs in expanding polyketide diversity. <i>Natural Product Reports</i> , 2012 , 29, 72-86	15.1	107
142	Flavin-mediated dual oxidation controls an enzymatic Favorskii-type rearrangement. <i>Nature</i> , 2013 , 503, 552-556	50.4	106
141	Biosynthesis of Dictyostelium discoideum differentiation-inducing factor by a hybrid type I fatty acid-type III polyketide synthase. <i>Nature Chemical Biology</i> , 2006 , 2, 494-502	11.7	99
140	Metagenomic discovery of polybrominated diphenyl ether biosynthesis by marine sponges. <i>Nature Chemical Biology</i> , 2017 , 13, 537-543	11.7	95
139	A sea of biosynthesis: marine natural products meet the molecular age. <i>Natural Product Reports</i> , 2011 , 28, 411-28	15.1	94
138	A stereoselective vanadium-dependent chloroperoxidase in bacterial antibiotic biosynthesis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4268-70	16.4	93
137	Glycogenomics as a mass spectrometry-guided genome-mining method for microbial glycosylated molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4407-16	11.5	91
136	EncM, a versatile enterocin biosynthetic enzyme involved in Favorskii oxidative rearrangement, aldol condensation, and heterocycle-forming reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15609-14	11.5	90
135	Enzymatic Cascade Reactions in Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6846-6849	16.7	88
134	Targeted capture and heterologous expression of the Pseudoalteromonas alterochromide gene cluster in Escherichia coli represents a promising natural product exploratory platform. <i>ACS Synthetic Biology</i> , 2015 , 4, 414-20	5.7	85
133	Indexing the Pseudomonas specialized metabolome enabled the discovery of poaeamide B and the bananamides. <i>Nature Microbiology</i> , 2016 , 2, 16197	26.6	83
132	Structure and biosynthesis of the marine streptomycete ansamycin ansalactam A and its distinctive branched chain polyketide extender unit. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1971-7	16.4	81
131	Advances in and applications of proteasome inhibitors. <i>Current Opinion in Chemical Biology</i> , 2008 , 12, 434-40	9.7	80
130	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , 2017 , 80, 588-597	4.9	78
129	Directed natural product biosynthesis gene cluster capture and expression in the model bacterium Bacillus subtilis. <i>Scientific Reports</i> , 2015 , 5, 9383	4.9	75
128	Biosynthesis of the neurotoxin domoic acid in a bloom-forming diatom. <i>Science</i> , 2018 , 361, 1356-1358	33.3	75
127	Flavoenzyme-catalyzed atropo-selective N,C-bipyrrole homocoupling in marinopyrrole biosynthesis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12434-7	16.4	74
126	One-pot enzymatic synthesis of merochlorin A and B. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11019-22	16.4	72

125	Comparative transcriptomics as a guide to natural product discovery and biosynthetic gene cluster functionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11121-E11130	11.5	70
124	Biosynthetic convergence of salinosporamides A and B in the marine actinomycete <i>Salinispora tropica</i> . <i>Organic Letters</i> , 2007 , 9, 845-8	6.2	69
123	Bioactivity-guided genome mining reveals the lomaiviticin biosynthetic gene cluster in <i>Salinispora tropica</i> . <i>ChemBioChem</i> , 2013 , 14, 955-62	3.8	66
122	[7.7]Paracyclophanes from blue-green algae. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4061-4063	10.4	65
121	NRPquest: Coupling Mass Spectrometry and Genome Mining for Nonribosomal Peptide Discovery. <i>Journal of Natural Products</i> , 2014 , 77, 1902-9	4.9	64
120	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019 , 36, 35-107	15.1	63
119	Divergent biosynthesis yields a cytotoxic aminomalonate-containing precolibactin. <i>Nature Chemical Biology</i> , 2016 , 12, 773-5	11.7	62
118	Engineered biosynthesis of antiprotealide and other unnatural salinosporamide proteasome inhibitors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7822-3	16.4	62
117	Biochemical Establishment and Characterization of EncM's Flavin-N5-oxide Cofactor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8078-85	16.4	61
116	The discovery of salinosporamide K from the marine bacterium " <i>Salinispora pacifica</i> " by genome mining gives insight into pathway evolution. <i>ChemBioChem</i> , 2011 , 12, 61-4	3.8	61
115	Genetic platforms for heterologous expression of microbial natural products. <i>Natural Product Reports</i> , 2019 , 36, 1313-1332	15.1	60
114	Biosynthesis of coral settlement cue tetrabromopyrrole in marine bacteria by a uniquely adapted brominase-thioesterase enzyme pair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3797-802	11.5	60
113	Function-oriented biosynthesis of beta-lactone proteasome inhibitors in <i>Salinispora tropica</i> . <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6163-7	8.3	59
112	Structures and comparative characterization of biosynthetic gene clusters for cyanosporasides, enediyne-derived natural products from marine actinomycetes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4171-4	16.4	58
111	Discovery and assembly-line biosynthesis of the lymphostin pyrroloquinoline alkaloid family of mTOR inhibitors in <i>Salinispora</i> bacteria. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13311-3	16.4	58
110	A multitasking vanadium-dependent chloroperoxidase as an inspiration for the chemical synthesis of the merochlorins. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11023-6	16.4	57
109	Formation of the pyridazine natural product azamerone by biosynthetic rearrangement of an aryl diazoketone. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 767-70	16.4	57
108	Biosynthesis and structural revision of neomarinone. <i>Organic Letters</i> , 2003 , 5, 4449-52	6.2	56

107	Recent advances in the biosynthesis of unusual polyketide synthase substrates. <i>Natural Product Reports</i> , 2016 , 33, 150-61	15.1	54
106	Biosynthesis of marine natural products: macroorganisms (Part B). <i>Natural Product Reports</i> , 2006 , 23, 615-29	15.1	54
105	Shared biosynthesis of the saliniketals and rifamycins in <i>Salinispora arenicola</i> is controlled by the sare1259-encoded cytochrome P450. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12757-65	16.4	53
104	Direct capture and heterologous expression of <i>Salinispora</i> natural product genes for the biosynthesis of enterocin. <i>Journal of Natural Products</i> , 2015 , 78, 539-42	4.9	52
103	MS/MS-based networking and peptidogenomics guided genome mining revealed the stenothricin gene cluster in <i>Streptomyces roseosporus</i> . <i>Journal of Antibiotics</i> , 2014 , 67, 99-104	3.7	51
102	A unifying paradigm for naphthoquinone-based meroterpenoid (bio)synthesis. <i>Nature Chemistry</i> , 2017 , 9, 1235-1242	17.6	50
101	Structures of cylindrocycphanes a-f. <i>Tetrahedron</i> , 1992 , 48, 3001-3006	2.4	48
100	Sequencing rare marine actinomycete genomes reveals high density of unique natural product biosynthetic gene clusters. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 2075-2086	2.9	48
99	Biosynthetic multitasking facilitates thalassospiramide structural diversity in marine bacteria. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1155-62	16.4	47
98	Genetic basis for the biosynthesis of the pharmaceutically important class of epoxyketone proteasome inhibitors. <i>ACS Chemical Biology</i> , 2014 , 9, 301-9	4.9	46
97	Genomic insights into specialized metabolism in the marine actinomycete <i>Salinispora</i> . <i>Environmental Microbiology</i> , 2017 , 19, 3660-3673	5.2	46
96	Flavin-linked oxidase catalyzes pyrrolizine formation of dichloropyrrole-containing polyketide extender unit in chlorizidine A. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18032-5	16.4	44
95	Sioxanthin, a novel glycosylated carotenoid, reveals an unusual subclustered biosynthetic pathway. <i>Environmental Microbiology</i> , 2015 , 17, 2158-71	5.2	43
94	Function-related replacement of bacterial siderophore pathways. <i>ISME Journal</i> , 2018 , 12, 320-329	11.9	40
93	Unusual flavoenzyme catalysis in marine bacteria. <i>Current Opinion in Chemical Biology</i> , 2016 , 31, 31-9	9.7	40
92	Bacterial self-resistance to the natural proteasome inhibitor salinosporamide A. <i>ACS Chemical Biology</i> , 2011 , 6, 1257-64	4.9	40
91	Isolation and structure elucidation of lipopeptide antibiotic taromycin B from the activated taromycin biosynthetic gene cluster. <i>Journal of Antibiotics</i> , 2018 , 71, 333-338	3.7	38
90	Macrocyclic colibactin induces DNA double-strand breaks via copper-mediated oxidative cleavage. <i>Nature Chemistry</i> , 2019 , 11, 880-889	17.6	37

89	Complexity of naturally produced polybrominated diphenyl ethers revealed via mass spectrometry. <i>Environmental Science & Technology</i> , 2015 , 49, 1339-46	10.3	36
88	In vitro biosynthesis of unnatural enterocin and wailupemycin polyketides. <i>Journal of Natural Products</i> , 2009 , 72, 469-72	4.9	36
87	A Bacterial Quorum-Sensing Precursor Induces Mortality in the Marine Coccolithophore, <i>Emiliana huxleyi</i> . <i>Frontiers in Microbiology</i> , 2016 , 7, 59	5.7	36
86	Antileukemic activity and mechanism of drug resistance to the marine <i>Salinispora tropica</i> proteasome inhibitor salinosporamide A (Marizomib). <i>Molecular Pharmacology</i> , 2014 , 86, 12-9	4.3	35
85	Salinosporamid-Naturstoffe: potente Inhibitoren des 20S-Proteasoms als vielversprechende Krebs-Chemotherapeutika. <i>Angewandte Chemie</i> , 2010 , 122, 9534-9556	3.6	35
84	Biosynthetic Pathway Connects Cryptic Ribosomally Synthesized Posttranslationally Modified Peptide Genes with Pyrroloquinoline Alkaloids. <i>Cell Chemical Biology</i> , 2016 , 23, 1504-1514	8.2	33
83	Total Synthesis Establishes the Biosynthetic Pathway to the Naphterpin and Marinone Natural Products. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11009-11014	16.4	33
82	Enzymatic control of dioxygen binding and functionalization of the flavin cofactor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4909-4914	11.5	32
81	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021 , 17, 363-368	11.7	32
80	Total Enzyme Syntheses of Napyradiomycins A1 and B1. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17840-17845	16.4	32
79	Scalable Biosynthesis of the Seaweed Neurochemical, Kainic Acid. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8454-8457	16.4	31
78	Iron acquisition in the marine actinomycete genus <i>Salinispora</i> is controlled by the desferrioxamine family of siderophores. <i>FEMS Microbiology Letters</i> , 2012 , 335, 95-103	2.9	31
77	Broad-Host-Range Expression Reveals Native and Host Regulatory Elements That Influence Heterologous Antibiotic Production in Gram-Negative Bacteria. <i>MBio</i> , 2017 , 8,	7.8	29
76	Enzymatic Reductive Dehalogenation Controls the Biosynthesis of Marine Bacterial Pyrroles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13167-13170	16.4	29
75	Refactoring the Cryptic Streptophenazine Biosynthetic Gene Cluster Unites Phenazine, Polyketide, and Nonribosomal Peptide Biochemistry. <i>Cell Chemical Biology</i> , 2019 , 26, 724-736.e7	8.2	28
74	A Peptidyl-Transesterifying Type I Thioesterase in Salinamide Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 364-7	16.4	28
73	A Multitasking Vanadium-Dependent Chloroperoxidase as an Inspiration for the Chemical Synthesis of the Merochlorins. <i>Angewandte Chemie</i> , 2014 , 126, 11203-11206	3.6	27
72	Enzymatic synthesis of polybrominated dioxins from the marine environment. <i>ACS Chemical Biology</i> , 2014 , 9, 1980-4	4.9	26

71	One-Pot Enzymatic Synthesis of Merochlorin A and B. <i>Angewandte Chemie</i> , 2014 , 126, 11199-11202	3.6	26
70	Meroterpenoid natural products from <i>Streptomyces</i> bacteria - the evolution of chemoenzymatic syntheses. <i>Natural Product Reports</i> , 2020 , 37, 1334-1366	15.1	25
69	Mining genomes to illuminate the specialized chemistry of life. <i>Nature Reviews Genetics</i> , 2021 , 22, 553-570	10.1	25
68	Guanitoxin, re-naming a cyanobacterial organophosphate toxin. <i>Harmful Algae</i> , 2020 , 92, 101737	5.3	24
67	Effects of Actinomycete Secondary Metabolites on Sediment Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	23
66	Direct cloning and heterologous expression of natural product biosynthetic gene clusters by transformation-associated recombination. <i>Methods in Enzymology</i> , 2019 , 621, 87-110	1.7	23
65	Chemoenzymatic Synthesis of Acyl Coenzyme A Substrates Enables in Situ Labeling of Small Molecules and Proteins. <i>Organic Letters</i> , 2015 , 17, 4452-5	6.2	23
64	Prephenate decarboxylases: a new prephenate-utilizing enzyme family that performs nonaromatizing decarboxylation en route to diverse secondary metabolites. <i>Biochemistry</i> , 2010 , 49, 9021-3	2.3	23
63	Cariogenic Produces Tetramic Acid Strain-Specific Antibiotics That Impair Commensal Colonization. <i>ACS Infectious Diseases</i> , 2020 , 6, 563-571	5.5	23
62	Biosynthesis of l-4-Chlorokynurenine, an Antidepressant Prodrug and a Non-Proteinogenic Amino Acid Found in Lipopeptide Antibiotics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8394-8399	16.4	22
61	S-Adenosyl-L-methionine hydrolase (adenosine-forming), a conserved bacterial and archaeal protein related to SAM-dependent halogenases. <i>ChemBioChem</i> , 2008 , 9, 2215-9	3.8	22
60	Biosynthesis of anatoxin-a(s). Origin of the carbons. <i>Tetrahedron Letters</i> , 1992 , 33, 6595-6598	2	22
59	Pangenomic comparison of globally distributed Poribacteria associated with sponge hosts and marine particles. <i>ISME Journal</i> , 2019 , 13, 468-481	11.9	22
58	Comparative Genomics and Metabolomics in the Genus. <i>MSystems</i> , 2020 , 5,	7.6	19
57	Enzyme inhibition by hydroamination: design and mechanism of a hybrid carmaphycin-syringolin enone proteasome inhibitor. <i>Chemistry and Biology</i> , 2014 , 21, 782-91		19
56	Structural Elucidation of Trace Components Combining GC/MS, GC/IR, DFT-Calculation and Synthesis-Salinilactones, Unprecedented Bicyclic Lactones from <i>Salinispora</i> Bacteria. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14921-14925	16.4	19
55	Salinipyronone and Pacificanone Are Biosynthetic By-products of the Rosamicin Polyketide Synthase. <i>ChemBioChem</i> , 2015 , 16, 1443-7	3.8	18
54	Minimization of the Thiolactomycin Biosynthetic Pathway Reveals that the Cytochrome P450 Enzyme TImF Is Required for Five-Membered Thiolactone Ring Formation. <i>ChemBioChem</i> , 2017 , 18, 10723-1076	17	17

53	PCR-Independent Method of Transformation-Associated Recombination Reveals the Cosmomycin Biosynthetic Gene Cluster in an Ocean Streptomyce. <i>Journal of Natural Products</i> , 2017 , 80, 1200-1204	4.9	16
52	Comparative Genomics of Cyanobacterial Symbionts Reveals Distinct, Specialized Metabolism in Tropical Sponges. <i>MBio</i> , 2019 , 10,	7.8	16
51	Exploration and engineering of biosynthetic pathways in the marine actinomycete <i>Salinispora tropica</i> . <i>Pure and Applied Chemistry</i> , 2009 , 81, 1075-1084	2.1	16
50	Characterization and Biochemical Assays of <i>Streptomyces</i> Vanadium-Dependent Chloroperoxidases. <i>Methods in Enzymology</i> , 2018 , 604, 405-424	1.7	15
49	Engineering <i>Salinispora tropica</i> for heterologous expression of natural product biosynthetic gene clusters. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 8437-8446	5.7	15
48	Enzymatic C-H Oxidation-Amidation Cascade in the Production of Natural and Unnatural Thiotetronate Antibiotics with Potentiated Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12234-12239	16.4	15
47	Asymmetric Alkene and Arene Halofunctionalization Reactions in Meroterpenoid Biosynthesis. <i>Synlett</i> , 2018 , 29, 401-409	2.2	14
46	Mechanistic insights into water activation in SAM hydroxide adenosyltransferase (duf-62). <i>ChemBioChem</i> , 2009 , 10, 2455-9	3.8	14
45	Pass-back chain extension expands multimodular assembly line biosynthesis. <i>Nature Chemical Biology</i> , 2020 , 16, 42-49	11.7	14
44	Enzymkaskadenreaktionen in der Biosynthese. <i>Angewandte Chemie</i> , 2019 , 131, 6918-6952	3.6	14
43	Mechanism of action of thalassospiramides, a new class of calpain inhibitors. <i>Scientific Reports</i> , 2015 , 5, 8783	4.9	13
42	Coupled Biosynthesis of Volatiles and Salinosporamide A in <i>Salinispora tropica</i> . <i>ChemBioChem</i> , 2016 , 17, 1978-1985	3.8	13
41	Organohalogens Naturally Biosynthesized in Marine Environments and Produced as Disinfection Byproducts Alter Sarco/Endoplasmic Reticulum Ca Dynamics. <i>Environmental Science & Technology</i> , 2018 , 52, 5469-5478	10.3	12
40	The chemical cue tetrabromopyrrole induces rapid cellular stress and mortality in phytoplankton. <i>Scientific Reports</i> , 2018 , 8, 15498	4.9	12
39	Biosynthesis of marine toxins. <i>Current Opinion in Chemical Biology</i> , 2020 , 59, 119-129	9.7	11
38	Extending the biosynthetic repertoire in ribosomal peptide assembly. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9386-8	16.4	10
37	Algal neurotoxin biosynthesis repurposes the terpene cyclase structural fold into an -prenyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12799-12805	11.5	9
36	Total Synthesis Establishes the Biosynthetic Pathway to the Naphterpin and Marinone Natural Products. <i>Angewandte Chemie</i> , 2018 , 130, 11175-11180	3.6	9

35	Diversity and distribution of the <i>bmp</i> gene cluster and its Polybrominated products in the genus <i>Pseudoalteromonas</i> . <i>Environmental Microbiology</i> , 2019 , 21, 1575-1585	5.2	9
34	Cryptic halogenation reactions in natural product biosynthesis. <i>Natural Product Reports</i> , 2021 , 38, 1760-1774	3.7	9
33	Bacterial Tetrabromopyrrole Debrominase Shares a Reductive Dehalogenation Strategy with Human Thyroid Deiodinase. <i>Biochemistry</i> , 2019 , 58, 5329-5338	3.2	8
32	Genome mining methods to discover bioactive natural products. <i>Natural Product Reports</i> , 2021 , 38, 2100-2129	3.1	8
31	Insights into Thiotemplated Pyrrole Biosynthesis Gained from the Crystal Structure of Flavin-Dependent Oxidase in Complex with Carrier Protein. <i>Biochemistry</i> , 2019 , 58, 918-929	3.2	8
30	Family-wide Structural Characterization and Genomic Comparisons Decode the Diversity-oriented Biosynthesis of Thalassospiramides by Marine Proteobacteria. <i>Journal of Biological Chemistry</i> , 2016 , 291, 27228-27238	5.4	7
29	Molecular and biochemical basis for the loss of bioluminescence in the dinoflagellate along the west coast of the USA. <i>Limnology and Oceanography</i> , 2019 , 64, 2709-2724	4.8	6
28	A genomic view of trophic and metabolic diversity in clade-specific Lamellodysidea sponge microbiomes. <i>Microbiome</i> , 2020 , 8, 97	16.6	6
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10	Phylogenetic analysis of the salinipostin γ -butyrolactone gene cluster uncovers new potential for bacterial signaling-molecule diversity		1
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