

Brett A Neilan

List of Publications by Year in descending order

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305
papers

21,128
citations

9234

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321
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structural organization of microcystin biosynthesis in <i>Microcystis aeruginosa</i> PCC7806: an integrated peptide-polyketide synthetase system. <i>Chemistry and Biology</i> , 2000, 7, 753-764.	6.2	852
2	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
3	Neurotoxic Alkaloids: Saxitoxin and Its Analogs. <i>Marine Drugs</i> , 2010, 8, 2185-2211.	2.2	604
4	On the Chemistry, Toxicology and Genetics of the Cyanobacterial Toxins, Microcystin, Nodularin, Saxitoxin and Cylindrospermopsin. <i>Marine Drugs</i> , 2010, 8, 1650-1680.	2.2	474
5	rRNA Sequences and Evolutionary Relationships among Toxic and Nontoxic Cyanobacteria of the Genus <i>Microcystis</i> . <i>International Journal of Systematic Bacteriology</i> , 1997, 47, 693-697.	2.8	439
6	A Red-Shifted Chlorophyll. <i>Science</i> , 2010, 329, 1318-1319.	6.0	437
7	Insertional mutagenesis of a peptide synthetase gene that is responsible for hepatotoxin production in the cyanobacterium <i>Microcystis aeruginosa</i> PCC 7806. <i>Molecular Microbiology</i> , 1997, 26, 779-787.	1.2	361
8	Light and the Transcriptional Response of the Microcystin Biosynthesis Gene Cluster. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3387-3392.	1.4	337
9	Xanthogenate nucleic acid isolation from cultured and environmental cyanobacteria. <i>Journal of Phycology</i> , 2000, 36, 251-258.	1.0	336
10	Biosynthetic Intermediate Analysis and Functional Homology Reveal a Saxitoxin Gene Cluster in Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4044-4053.	1.4	322
11	Cyanobacterial toxins: biosynthetic routes and evolutionary roots. <i>FEMS Microbiology Reviews</i> , 2013, 37, 23-43.	3.9	282
12	Exploring the potential of endophytes from medicinal plants as sources of antimycobacterial compounds. <i>Microbiological Research</i> , 2014, 169, 483-495.	2.5	268
13	Environmental conditions that influence toxin biosynthesis in cyanobacteria. <i>Environmental Microbiology</i> , 2013, 15, 1239-1253.	1.8	262
14	Diversity within cyanobacterial mat communities in variable salinity meltwater ponds of McMurdo Ice Shelf, Antarctica. <i>Environmental Microbiology</i> , 2005, 7, 519-529.	1.8	252
15	Characterization of the Gene Cluster Responsible for Cylindrospermopsin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 716-722.	1.4	247
16	Nonribosomal Peptide Synthesis and Toxigenicity of Cyanobacteria. <i>Journal of Bacteriology</i> , 1999, 181, 4089-4097.	1.0	243
17	Identification of genes implicated in toxin production in the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Environmental Toxicology</i> , 2001, 16, 413-421.	2.1	242
18	Effects of erythromycin, tetracycline and ibuprofen on the growth of <i>Synechocystis</i> sp. and <i>Lemna</i> minor. <i>Aquatic Toxicology</i> , 2004, 67, 387-396.	1.9	242

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19	Detection of Toxigenicity by a Probe for the Microcystin Synthetase A Gene (mcyA) of the Cyanobacterial Genus Microcystis : Comparison of Toxicities with 16S rRNA and Phycocyanin Operon (Phycocyanin Intergenic Spacer) Phylogenies. Applied and Environmental Microbiology, 2001, 67, 2810-2818.	1.4	239
20	Ecological and molecular investigations of cyanotoxin production. FEMS Microbiology Ecology, 2001, 35, 1-9.	1.3	237
21	Characterization of the Nodularin Synthetase Gene Cluster and Proposed Theory of the Evolution of Cyanobacterial Hepatotoxins. Applied and Environmental Microbiology, 2004, 70, 6353-6362.	1.4	226
22	Microbial diversity of extant stromatolites in the hypersaline marine environment of Shark Bay, Australia. Environmental Microbiology, 2004, 6, 1096-1101.	1.8	225
23	Microbial communities reflect temporal changes in cyanobacterial composition in a shallow ephemeral freshwater lake. ISME Journal, 2016, 10, 1337-1351.	4.4	212
24	On the origins and biosynthesis of tetrodotoxin. Aquatic Toxicology, 2011, 104, 61-72.	1.9	184
25	Recent advances in the heterologous expression of microbial natural product biosynthetic pathways. Natural Product Reports, 2013, 30, 1121.	5.2	180
26	Characterisation of the paralytic shellfish toxin biosynthesis gene clusters in Anabaena circinalis AWQC131C and Aphanizomenon sp. NH-5. BMC Biochemistry, 2009, 10, 8.	4.4	174
27	Discovery of Nuclear-Encoded Genes for the Neurotoxin Saxitoxin in Dinoflagellates. PLoS ONE, 2011, 6, e20096.	1.1	172
28	Molecular identification and evolution of the cyclic peptide hepatotoxins, microcystin and nodularin, synthetase genes in three orders of cyanobacteria. Archives of Microbiology, 2006, 185, 107-114.	1.0	167
29	Varied Diazotrophies, Morphologies, and Toxicities of Genetically Similar Isolates of Cylindrospermopsis raciborskii (Nostocales, Cyanophyceae) from Northern Australia. Applied and Environmental Microbiology, 2001, 67, 1839-1845.	1.4	165
30	Increased incidence of Cylindrospermopsis raciborskii in temperate zones “ Is climate change responsible?. Water Research, 2012, 46, 1408-1419.	5.3	165
31	Bacterial, archaeal and eukaryotic diversity of smooth and pustular microbial mat communities in the hypersaline lagoon of Shark Bay. Geobiology, 2009, 7, 82-96.	1.1	164
32	Pseudoalteromonas tunicata sp. nov., a bacterium that produces antifouling agents. International Journal of Systematic Bacteriology, 1998, 48, 1205-1212.	2.8	163
33	Mucispirillum schaedleri gen. nov., sp. nov., a spiral-shaped bacterium colonizing the mucus layer of the gastrointestinal tract of laboratory rodents. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1199-1204.	0.8	153
34	Mutations in UVSSA cause UV-sensitive syndrome and destabilize ERCC6 in transcription-coupled DNA repair. Nature Genetics, 2012, 44, 593-597.	9.4	152
35	Understanding the winning strategies used by the bloom-forming cyanobacterium Cylindrospermopsis raciborskii. Harmful Algae, 2016, 54, 44-53.	2.2	152
36	Inactivation of an ABC Transporter Gene, mcyH , Results in Loss of Microcystin Production in the Cyanobacterium Microcystis aeruginosa PCC 7806. Applied and Environmental Microbiology, 2004, 70, 6370-6378.	1.4	150

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37	Unravelling core microbial metabolisms in the hypersaline microbial mats of Shark Bay using high-throughput metagenomics. <i>ISME Journal</i> , 2016, 10, 183-196.	4.4	147
38	Phylogeography of the invasive cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Molecular Ecology</i> , 2002, 12, 133-140.	2.0	138
39	Detection and sequencing of the microcystin LR-degrading gene, <i>mlrA</i> , from new bacteria isolated from Japanese lakes. <i>FEMS Microbiology Letters</i> , 2003, 229, 271-276.	0.7	137
40	Use of Superoxide as an Electron Shuttle for Iron Acquisition by the Marine Cyanobacterium <i>Lyngbya majuscula</i> . <i>Environmental Science & Technology</i> , 2005, 39, 3708-3715.	4.6	136
41	First report and toxicological assessment of the cyanobacterium <i>Cylindrospermopsis raciborskii</i> from Portuguese freshwaters. <i>Ecotoxicology and Environmental Safety</i> , 2003, 55, 243-250.	2.9	133
42	Carotenoid Analysis of Halophilic Archaea by Resonance Raman Spectroscopy. <i>Astrobiology</i> , 2007, 7, 631-643.	1.5	132
43	Gene Expression Profiling of <i>Helicobacter pylori</i> Reveals a Growth-Phase-Dependent Switch in Virulence Gene Expression. <i>Infection and Immunity</i> , 2003, 71, 2643-2655.	1.0	128
44	Multiple Alternate Transcripts Direct the Biosynthesis of Microcystin, a Cyanobacterial. <i>Applied and Environmental Microbiology</i> , 2002, 68, 449-455.	1.4	126
45	Determining the specific microbial populations and their spatial distribution within the stromatolite ecosystem of Shark Bay. <i>ISME Journal</i> , 2009, 3, 383-396.	4.4	125
46	Cyanobacterial Protease Inhibitor Microviridin J Causes a Lethal Molting Disruption in <i>Daphnia pulex</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 5047-5050.	1.4	124
47	Description of <i>Candidatus Helicobacter heilmannii</i> ™ based on DNA sequence analysis of 16S rRNA and urease genes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 2203-2211.	0.8	123
48	Genetic Variation of the Bloom-Forming Cyanobacterium <i>Microcystis aeruginosa</i> within and among Lakes: Implications for Harmful Algal Blooms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6126-6133.	1.4	123
49	Iron uptake and toxin synthesis in the bloom-forming <i>Microcystis aeruginosa</i> under iron limitation. <i>Environmental Microbiology</i> , 2011, 13, 1064-1077.	1.8	123
50	Isolation, characterization, and quantitative analysis of Microviridin J, a new <i>Microcystis</i> metabolite toxic to <i>Daphnia</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 1757-1770.	0.9	119
51	An investigation into the detoxification of microcystin-LR by the glutathione pathway in Balb/c mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 931-941.	1.2	119
52	Benthic cyanobacteria (Oscillatoriaceae) that produce microcystin-LR, isolated from four reservoirs in southern California. <i>Water Research</i> , 2007, 41, 492-498.	5.3	117
53	THE FRESHWATER CYANOBACTERIUM PLANKTOTHRIX SP. FP1: MOLECULAR IDENTIFICATION AND DETECTION OF PARALYTIC SHELLFISH POISONING TOXINS. <i>Journal of Phycology</i> , 2000, 36, 553-562.	1.0	113
54	Detection of Saxitoxin-Producing Cyanobacteria and <i>Anabaena circinalis</i> in Environmental Water Blooms by Quantitative PCR. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7836-7842.	1.4	108

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55	Geographical Segregation of the Neurotoxin-Producing Cyanobacterium <i>Anabaena circinalis</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 4468-4474.	1.4	106
56	Enzyme-free cloning: a rapid method to clone PCR products independent of vector restriction enzyme sites. <i>Nucleic Acids Research</i> , 1999, 27, 26e-26.	6.5	105
57	<i>sxtA</i> -Based Quantitative Molecular Assay To Identify Saxitoxin-Producing Harmful Algal Blooms in Marine Waters. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7050-7057.	1.4	104
58	Altered expression of two light-dependent genes in a microcystin-lacking mutant of <i>Microcystis aeruginosa</i> PCC 7806. <i>Microbiology (United Kingdom)</i> , 2001, 147, 3113-3119.	0.7	103
59	The molecular genetics of cyanobacterial toxicity as a basis for monitoring water quality and public health risk. <i>Current Opinion in Biotechnology</i> , 2008, 19, 281-288.	3.3	103
60	Extraordinary Conservation, Gene Loss, and Positive Selection in the Evolution of an Ancient Neurotoxin. <i>Molecular Biology and Evolution</i> , 2011, 28, 1173-1182.	3.5	103
61	TWO MORPHOLOGICAL FORMS OF <i>CYLINDROSPERMOPSIS RACIBORSKII</i> (CYANOBACTERIA) ISOLATED FROM SOLOMON DAM, PALM ISLAND, QUEENSLAND. <i>Journal of Phycology</i> , 1999, 35, 599-606.	1.0	100
62	A spontaneous mutant of microcystin biosynthesis: genetic characterization and effect on <i>Daphnia</i> . <i>Environmental Microbiology</i> , 2001, 3, 669-679.	1.8	98
63	The genetics, biosynthesis and regulation of toxic specialized metabolites of cyanobacteria. <i>Harmful Algae</i> , 2016, 54, 98-111.	2.2	98
64	On the presence of peptide synthetase and polyketide synthase genes in the cyanobacterial genus <i>Nodularia</i> . <i>FEMS Microbiology Letters</i> , 2001, 196, 207-214.	0.7	95
65	Monitoring Changing Toxicogenicity of a Cyanobacterial Bloom by Molecular Methods. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6070-6076.	1.4	92
66	A <i>Rhodococcus</i> species that thrives on medium saturated with liquid benzene. <i>Microbiology (United Kingdom)</i> , 2007, 151, 1071-1077.	0.7	91
67	A Putative Gene Cluster from a <i>Lyngbya wollei</i> Bloom that Encodes Paralytic Shellfish Toxin Biosynthesis. <i>PLoS ONE</i> , 2011, 6, e14657.	1.1	91
68	Elevated nutrients change bacterial community composition and connectivity: high throughput sequencing of young marine biofilms. <i>Biofouling</i> , 2016, 32, 57-69.	0.8	87
69	Identification of a Saxitoxin Biosynthesis Gene with a History of Frequent Horizontal Gene Transfers. <i>Journal of Molecular Evolution</i> , 2008, 67, 526-538.	0.8	86
70	Genetic Characterization of <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) Isolates from Diverse Geographic Origins Based on <i>nifH</i> and <i>cpcBA</i> -IGS Nucleotide Sequence Analysis. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2567-2571.	1.4	85
71	Evolutionary Affiliations Within the Superfamily of Ketosynthases Reflect Complex Pathway Associations. <i>Journal of Molecular Evolution</i> , 2003, 56, 446-457.	0.8	85
72	Does β -Amino- β -methylaminopropionic Acid (BMAA) Play a Role in Neurodegeneration?. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 3728-3746.	1.2	85

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73	Synthetic microbe communities provide internal reference standards for metagenome sequencing and analysis. <i>Nature Communications</i> , 2018, 9, 3096.	5.8	81
74	Functional Modeling and Phylogenetic Distribution of Putative Cyindrospermopsin Biosynthesis Enzymes. <i>Journal of Molecular Evolution</i> , 2006, 62, 267-280.	0.8	80
75	NtcA from <i>Microcystis aeruginosa</i> PCC 7806 Is Autoregulatory and Binds to the Microcystin Promoter. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4362-4368.	1.4	80
76	High-Titer Heterologous Production in <i>E. coli</i> of Lyngbyatoxin, a Protein Kinase C Activator from an Uncultured Marine Cyanobacterium. <i>ACS Chemical Biology</i> , 2013, 8, 1888-1893.	1.6	77
77	A multiplex qPCR targeting hepato- and neurotoxic cyanobacteria of global significance. <i>Harmful Algae</i> , 2012, 15, 19-25.	2.2	76
78	Nodularin, a cyanobacterial toxin, is synthesized <i>in planta</i> by symbiotic <i>Nostoc</i> sp.. <i>ISME Journal</i> , 2012, 6, 1834-1847.	4.4	75
79	Excitotoxic potential of the cyanotoxin β -methyl-amino-l-alanine (BMAA) in primary human neurons. <i>Toxicol</i> , 2012, 60, 1159-1165.	0.8	74
80	<i>Halococcus hamelinensis</i> sp. nov., a novel halophilic archaeon isolated from stromatolites in Shark Bay, Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1323-1329.	0.8	73
81	BIOCHEMICAL CHARACTERIZATION OF PARALYTIC SHELLFISH TOXIN BIOSYNTHESIS IN VITRO. <i>Journal of Phycology</i> , 2007, 43, 497-508.	1.0	73
82	Nutrient-related changes in the toxicity of field blooms of the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>FEMS Microbiology Ecology</i> , 2014, 89, 135-148.	1.3	72
83	Community Composition, Toxigenicity, and Environmental Conditions during a Cyanobacterial Bloom Occurring along 1,100 Kilometers of the Murray River. <i>Applied and Environmental Microbiology</i> , 2012, 78, 263-272.	1.4	70
84	Polyphasic evaluation of <i>Limnoraphis robusta</i> , a water-bloom forming cyanobacterium from Lake Atitlán, Guatemala, with a description of <i>Limnoraphis</i> gen. nov.. <i>Fottea</i> , 2013, 13, 39-52.	0.4	70
85	Soil-foraging animals alter the composition and co-occurrence of microbial communities in a desert shrubland. <i>ISME Journal</i> , 2015, 9, 2671-2681.	4.4	69
86	Genetic Diversity, Morphological Uniformity and Polyketide Production in Dinoflagellates (<i>Amphidinium</i> , <i>Dinoflagellata</i>). <i>PLoS ONE</i> , 2012, 7, e38253.	1.1	68
87	<i>Chromera velia</i> is Endosymbiotic in Larvae of the Reef Corals <i>Acropora digitifera</i> and <i>A. tenuis</i> . <i>Protist</i> , 2013, 164, 237-244.	0.6	68
88	GENETIC CHARACTERIZATION OF STRAINS OF CYANOBACTERIA USING PCR-RFLP OF THE <i>cpcBA</i> INTERGENIC SPACER AND FLANKING REGIONS1. <i>Journal of Phycology</i> , 1996, 32, 445-451.	1.0	67
89	The FeL model of iron acquisition: Nondissociative reduction of ferric complexes in the marine environment. <i>Limnology and Oceanography</i> , 2006, 51, 1744-1754.	1.6	67
90	Insights into the distribution and abundance of the ubiquitous <i>Candidatus Saccharibacteria</i> phylum following tag pyrosequencing. <i>Scientific Reports</i> , 2014, 4, 3957.	1.6	66

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91	Intraspecific variation in growth, morphology and toxin quotas for the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>Toxicon</i> , 2016, 119, 307-310.	0.8	66
92	Investigation of the Biosynthetic Potential of Endophytes in Traditional Chinese Anticancer Herbs. <i>PLoS ONE</i> , 2012, 7, e35953.	1.1	64
93	Culturable Endophytes of Medicinal Plants and the Genetic Basis for Their Bioactivity. <i>Microbial Ecology</i> , 2012, 64, 431-449.	1.4	64
94	Comparative genomics of <i>Cylindrospermopsis raciborskii</i> strains with differential toxicities. <i>BMC Genomics</i> , 2014, 15, 83.	1.2	64
95	Detection of microcystin synthetase genes in health food supplements containing the freshwater cyanobacterium <i>Aphanizomenon flos-aquae</i> . <i>Toxicon</i> , 2005, 46, 555-562.	0.8	63
96	The Phosphopantetheinyl Transferase Superfamily: Phylogenetic Analysis and Functional Implications in Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2298-2305.	1.4	63
97	Biosynthesis of toxic naturally-occurring seafood contaminants. <i>Toxicon</i> , 2010, 56, 244-258.	0.8	63
98	Interactions between intracellular Na ⁺ levels and saxitoxin production in <i>Cylindrospermopsis raciborskii</i> T3. <i>Microbiology (United Kingdom)</i> , 2004, 150, 455-461.	0.7	61
99	Characteristics of a Microcystin-Degrading Bacterium under Alkaline Environmental Conditions. <i>Journal of Toxicology</i> , 2009, 2009, 1-8.	1.4	61
100	Cost-Effectiveness Analysis of Risk-Factor Guided and Birth-Cohort Screening for Chronic Hepatitis C Infection in the United States. <i>PLoS ONE</i> , 2013, 8, e58975.	1.1	61
101	Mining cyanobacterial genomes for genes encoding complex biosynthetic pathways. <i>Natural Product Reports</i> , 2009, 26, 1447.	5.2	60
102	High abundance of the potentially maitotoxic dinoflagellate <i>Gambierdiscus carpenteri</i> in temperate waters of New South Wales, Australia. <i>Harmful Algae</i> , 2014, 39, 134-145.	2.2	60
103	Molecular Identification of Cyanobacteria Associated with Stromatolites from Distinct Geographical Locations. <i>Astrobiology</i> , 2002, 2, 271-280.	1.5	59
104	Multiple origins of the ascidian-Prochloron symbiosis: Molecular phylogeny of photosymbiotic and non-symbiotic colonial ascidians inferred from 18S rDNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2006, 40, 8-19.	1.2	59
105	Glutotoxicity of the cyanotoxin, β -methyl-amino-L-alanine (BMAA). <i>Scientific Reports</i> , 2013, 3, 1482.	1.6	59
106	The Association of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> with Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2016, 11, e0148731.	1.1	58
107	Identification of cyanobacteria and their toxigenicity in environmental samples by rapid molecular analysis. <i>Environmental Toxicology</i> , 2001, 16, 472-482.	2.1	57
108	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. <i>Organic Geochemistry</i> , 2010, 41, 1207-1218.	0.9	57

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109	Optimized Rapid Amplification of cDNA Ends (RACE) for Mapping Bacterial mRNA Transcripts. <i>BioTechniques</i> , 2000, 28, 448-456.	0.8	56
110	rRNA sequences reflect the ecophysiology and define the toxic cyanobacteria of the genus <i>Nodularia</i> .. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 505-512.	0.8	56
111	<i>Pseudovibrio denitrificans</i> strain Z143-1, a heptylprodigiosin-producing bacterium isolated from a Philippine tunicate. <i>FEMS Microbiology Letters</i> , 2007, 277, 188-196.	0.7	56
112	Development of Taxol and Other Endophyte Produced Anti-Cancer Agents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2008, 3, 14-19.	0.8	56
113	A novel prokaryotic <i>arginine:glycine amidinotransferase</i> is involved in cylindrospermopsin biosynthesis. <i>FEBS Journal</i> , 2010, 277, 3844-3860.	2.2	55
114	Isolation and characterization of two novel ethanol-tolerant facultative-anaerobic thermophilic bacteria strains from waste compost. <i>Extremophiles</i> , 2006, 10, 363-372.	0.9	54
115	Comparative Protein Expression in Different Strains of the Bloom-forming Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003749.	2.5	54
116	A new quantitative PCR assay for the detection of hepatotoxigenic cyanobacteria. <i>Toxicon</i> , 2011, 57, 546-554.	0.8	54
117	Temporal variations in microcystin-producing cells and microcystin concentrations in two fresh water ponds. <i>Water Research</i> , 2015, 69, 131-142.	5.3	54
118	Deep sequencing of non-ribosomal peptide synthetases and polyketide synthases from the microbiomes of Australian marine sponges. <i>ISME Journal</i> , 2013, 7, 1842-1851.	4.4	53
119	Heterologous Production of Cyanobacterial Mycosporine-Like Amino Acids Mycosporine-Ornithine and Mycosporine-Lysine in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6167-6173.	1.4	53
120	Lipid biomarker analysis of cyanobacteria-dominated microbial mats in meltwater ponds on the McMurdo Ice Shelf, Antarctica. <i>Organic Geochemistry</i> , 2009, 40, 258-269.	0.9	52
121	Effects of hydrology and river management on the distribution, abundance and persistence of cyanobacterial blooms in the Murray River, Australia. <i>Harmful Algae</i> , 2013, 30, 27-36.	2.2	52
122	Characterization of microcystin production in an Antarctic cyanobacterial mat community. <i>Toxicon</i> , 2006, 47, 271-278.	0.8	51
123	Cereulide, the emetic toxin of <i>Bacillus cereus</i> , is putatively a product of nonribosomal peptide synthesis. <i>Journal of Applied Microbiology</i> , 2004, 97, 992-1000.	1.4	50
124	Novel homologs of the multiple resistance regulator <i>marA</i> in antibiotic-contaminated environments. <i>Water Research</i> , 2008, 42, 4271-4280.	5.3	50
125	Radioreceptor Assays for Sensitive Detection and Quantitation of Saxitoxin and Its Analogues from Strains of the Freshwater Cyanobacterium, <i>Anabaena circinalis</i> . <i>Environmental Science & Technology</i> , 2001, 35, 1445-1451.	4.6	49
126	Characterization of nitrogen-fixing cyanobacteria in the Brazilian Amazon floodplain. <i>Water Research</i> , 2005, 39, 5017-5026.	5.3	49

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127	Host specificity and phylogeography of the prochlorophyte <i>Prochloron</i> sp., an obligate symbiont in didemnid ascidians. <i>Environmental Microbiology</i> , 2007, 9, 890-899.	1.8	49
128	Host Selection of Symbiotic Cyanobacteria in 31 Species of the Australian Cycad Genus: <i>Macrozamia</i> (Zamiaceae). <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 811-822.	1.4	49
129	How accurately can we detect <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> infection?. <i>Journal of Microbiological Methods</i> , 2011, 85, 1-8.	0.7	49
130	DNA restriction-modification systems in the ethanologen, <i>Zymomonas mobilis</i> ZM4. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 761-769.	1.7	49
131	A universal procedure for primer labelling of amplicons. <i>Nucleic Acids Research</i> , 1997, 25, 2938-2939.	6.5	48
132	Vitamin B ₁₂ biosynthesis gene diversity in the Ross Sea: the identification of a new group of putative polar B ₁₂ biosynthesizers. <i>Environmental Microbiology</i> , 2011, 13, 1285-1298.	1.8	47
133	<i>Haloferax elongans</i> sp. nov. and <i>Haloferax mucosum</i> sp. nov., isolated from microbial mats from Hamelin Pool, Shark Bay, Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 798-802.	0.8	46
134	Osmoadaptive Strategies of the Archaeon <i>Halococcus hamelinensis</i> Isolated from a Hypersaline Stromatolite Environment. <i>Astrobiology</i> , 2011, 11, 529-536.	1.5	46
135	Biocrust morphology is linked to marked differences in microbial community composition. <i>Plant and Soil</i> , 2018, 429, 65-75.	1.8	46
136	The expansion of mechanistic and organismic diversity associated with non-ribosomal peptides. <i>FEMS Microbiology Letters</i> , 2000, 191, 159-167.	0.7	45
137	Specific Amplification and Restriction Polymorphisms of the Cyanobacterial rRNA Operon Spacer Region. <i>Systematic and Applied Microbiology</i> , 1997, 20, 612-621.	1.2	43
138	Algicide production by the filamentous cyanobacterium <i>Fischerella</i> sp. CENA 19. <i>Journal of Applied Phycology</i> , 2004, 16, 237-243.	1.5	43
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