

Brett A Neilan

List of Publications by Year in descending order

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310
papers

21,128
citations

9264

74
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12946

131
g-index

321
all docs

321
docs citations

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times ranked

16237
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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.	6.0	852
2	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
3	Neurotoxic Alkaloids: Saxitoxin and Its Analogs. <i>Marine Drugs</i> , 2010, 8, 2185-2211.	4.6	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.	4.6	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.	12.6	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.	2.5	361
8	Light and the Transcriptional Response of the Microcystin Biosynthesis Gene Cluster. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3387-3392.	3.1	337
9	Xanthogenate nucleic acid isolation from cultured and environmental cyanobacteria. <i>Journal of Phycology</i> , 2000, 36, 251-258.	2.3	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.	3.1	322
11	Cyanobacterial toxins: biosynthetic routes and evolutionary roots. <i>FEMS Microbiology Reviews</i> , 2013, 37, 23-43.	8.6	282
12	Exploring the potential of endophytes from medicinal plants as sources of antimycobacterial compounds. <i>Microbiological Research</i> , 2014, 169, 483-495.	5.3	268
13	Environmental conditions that influence toxin biosynthesis in cyanobacteria. <i>Environmental Microbiology</i> , 2013, 15, 1239-1253.	3.8	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.	3.8	252
15	Characterization of the Gene Cluster Responsible for Cylindrospermopsin Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 716-722.	3.1	247
16	Nonribosomal Peptide Synthesis and Toxigenicity of Cyanobacteria. <i>Journal of Bacteriology</i> , 1999, 181, 4089-4097.	2.2	243
17	Identification of genes implicated in toxin production in the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Environmental Toxicology</i> , 2001, 16, 413-421.	4.0	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.	4.0	242

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19	Detection of Toxigenicity by a Probe for the Microcystin Synthetase A Gene (<i>mcyA</i>) of the Cyanobacterial Genus <i>Microcystis</i> : Comparison of Toxicities with 16S rRNA and Phycocyanin Operon (Phycocyanin Intergenic Spacer) Phylogenies. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2810-2818.	3.1	239
20	Ecological and molecular investigations of cyanotoxin production. <i>FEMS Microbiology Ecology</i> , 2001, 35, 1-9.	2.7	237
21	Characterization of the Nodularin Synthetase Gene Cluster and Proposed Theory of the Evolution of Cyanobacterial Hepatotoxins. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6353-6362.	3.1	226
22	Microbial diversity of extant stromatolites in the hypersaline marine environment of Shark Bay, Australia. <i>Environmental Microbiology</i> , 2004, 6, 1096-1101.	3.8	225
23	Microbial communities reflect temporal changes in cyanobacterial composition in a shallow ephemeral freshwater lake. <i>ISME Journal</i> , 2016, 10, 1337-1351.	9.8	212
24	On the origins and biosynthesis of tetrodotoxin. <i>Aquatic Toxicology</i> , 2011, 104, 61-72.	4.0	184
25	Recent advances in the heterologous expression of microbial natural product biosynthetic pathways. <i>Natural Product Reports</i> , 2013, 30, 1121.	10.3	180
26	Characterisation of the paralytic shellfish toxin biosynthesis gene clusters in <i>Anabaena circinalis</i> AWQC131C and <i>Aphanizomenon</i> sp. NH-5. <i>BMC Biochemistry</i> , 2009, 10, 8.	4.4	174
27	Discovery of Nuclear-Encoded Genes for the Neurotoxin Saxitoxin in Dinoflagellates. <i>PLoS ONE</i> , 2011, 6, e20096.	2.5	172
28	Molecular identification and evolution of the cyclic peptide hepatotoxins, microcystin and nodularin, synthetase genes in three orders of cyanobacteria. <i>Archives of Microbiology</i> , 2006, 185, 107-114.	2.2	167
29	Varied Diazotrophies, Morphologies, and Toxicities of Genetically Similar Isolates of <i>Cylindrospermopsis raciborskii</i> (Nostocales, Cyanophyceae) from Northern Australia. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1839-1845.	3.1	165
30	Increased incidence of <i>Cylindrospermopsis raciborskii</i> in temperate zones – Is climate change responsible?. <i>Water Research</i> , 2012, 46, 1408-1419.	11.3	165
31	Bacterial, archaeal and eukaryotic diversity of smooth and pustular microbial mat communities in the hypersaline lagoon of Shark Bay. <i>Geobiology</i> , 2009, 7, 82-96.	2.4	164
32	<i>Pseudoalteromonas tunicata</i> sp. nov., a bacterium that produces antifouling agents. <i>International Journal of Systematic Bacteriology</i> , 1998, 48, 1205-1212.	2.8	163
33	<i>Mucispirillum schaedleri</i> gen. nov., sp. nov., a spiral-shaped bacterium colonizing the mucus layer of the gastrointestinal tract of laboratory rodents. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1199-1204.	1.7	153
34	Mutations in UVSSA cause UV-sensitive syndrome and destabilize ERCC6 in transcription-coupled DNA repair. <i>Nature Genetics</i> , 2012, 44, 593-597.	21.4	152
35	Understanding the winning strategies used by the bloom-forming cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Harmful Algae</i> , 2016, 54, 44-53.	4.8	152
36	Inactivation of an ABC Transporter Gene, <i>mcyH</i> , Results in Loss of Microcystin Production in the Cyanobacterium <i>Microcystis aeruginosa</i> PCC 7806. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6370-6378.	3.1	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.	9.8	147
38	Phylogeography of the invasive cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Molecular Ecology</i> , 2002, 12, 133-140.	3.9	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.	1.8	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.	10.0	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.	6.0	133
42	Carotenoid Analysis of Halophilic Archaea by Resonance Raman Spectroscopy. <i>Astrobiology</i> , 2007, 7, 631-643.	3.0	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.	2.2	128
44	Multiple Alternate Transcripts Direct the Biosynthesis of Microcystin, a Cyanobacterial. <i>Applied and Environmental Microbiology</i> , 2002, 68, 449-455.	3.1	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.	9.8	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.	3.1	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.	1.7	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.	3.1	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.	3.8	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.	1.8	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.	2.8	119
52	Benthic cyanobacteria (Oscillatoriaceae) that produce microcystin-LR, isolated from four reservoirs in southern California. <i>Water Research</i> , 2007, 41, 492-498.	11.3	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.	2.3	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.	3.1	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.	3.1	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.	14.5	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.	3.1	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.	1.8	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.	6.6	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.	8.9	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.	2.3	100
62	A spontaneous mutant of microcystin biosynthesis: genetic characterization and effect on <i>Daphnia</i> . <i>Environmental Microbiology</i> , 2001, 3, 669-679.	3.8	98
63	The genetics, biosynthesis and regulation of toxic specialized metabolites of cyanobacteria. <i>Harmful Algae</i> , 2016, 54, 98-111.	4.8	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.	1.8	95
65	Monitoring Changing Toxicogenicity of a Cyanobacterial Bloom by Molecular Methods. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6070-6076.	3.1	92
66	A <i>Rhodococcus</i> species that thrives on medium saturated with liquid benzene. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1987-1991.	1.8	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.	2.5	91
68	Elevated nutrients change bacterial community composition and connectivity: high throughput sequencing of young marine biofilms. <i>Biofouling</i> , 2016, 32, 57-69.	2.2	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.	1.8	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.	3.1	85
71	Evolutionary Affiliations Within the Superfamily of Ketosynthases Reflect Complex Pathway Associations. <i>Journal of Molecular Evolution</i> , 2003, 56, 446-457.	1.8	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.	2.6	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.	12.8	81
74	Functional Modeling and Phylogenetic Distribution of Putative Cyindrospermopsin Biosynthesis Enzymes. <i>Journal of Molecular Evolution</i> , 2006, 62, 267-280.	1.8	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.	3.1	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.	3.4	77
77	A multiplex qPCR targeting hepato- and neurotoxic cyanobacteria of global significance. <i>Harmful Algae</i> , 2012, 15, 19-25.	4.8	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.	9.8	75
79	Excitotoxic potential of the cyanotoxin Î ² -methyl-amino-l-alanine (BMAA) in primary human neurons. <i>Toxicol</i> , 2012, 60, 1159-1165.	1.6	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.	1.7	73
81	BIOCHEMICAL CHARACTERIZATION OF PARALYTIC SHELLFISH TOXIN BIOSYNTHESIS IN VITRO. <i>Journal of Phycology</i> , 2007, 43, 497-508.	2.3	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.	2.7	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.	3.1	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.	0.9	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.	9.8	69
86	Genetic Diversity, Morphological Uniformity and Polyketide Production in Dinoflagellates (<i>Amphidinium</i> , <i>Dinoflagellata</i>). <i>PLoS ONE</i> , 2012, 7, e38253.	2.5	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.	1.5	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.	2.3	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.	3.1	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.	3.3	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.	1.6	66
92	Investigation of the Biosynthetic Potential of Endophytes in Traditional Chinese Anticancer Herbs. <i>PLoS ONE</i> , 2012, 7, e35953.	2.5	64
93	Culturable Endophytes of Medicinal Plants and the Genetic Basis for Their Bioactivity. <i>Microbial Ecology</i> , 2012, 64, 431-449.	2.8	64
94	Comparative genomics of <i>Cylindrospermopsis raciborskii</i> strains with differential toxicities. <i>BMC Genomics</i> , 2014, 15, 83.	2.8	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.	1.6	63
96	The Phosphopantetheinyl Transferase Superfamily: Phylogenetic Analysis and Functional Implications in Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2298-2305.	3.1	63
97	Biosynthesis of toxic naturally-occurring seafood contaminants. <i>Toxicon</i> , 2010, 56, 244-258.	1.6	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.	1.8	61
99	Characteristics of a Microcystin-Degrading Bacterium under Alkaline Environmental Conditions. <i>Journal of Toxicology</i> , 2009, 2009, 1-8.	3.0	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.	2.5	61
101	Mining cyanobacterial genomes for genes encoding complex biosynthetic pathways. <i>Natural Product Reports</i> , 2009, 26, 1447.	10.3	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.	4.8	60
103	Molecular Identification of Cyanobacteria Associated with Stromatolites from Distinct Geographical Locations. <i>Astrobiology</i> , 2002, 2, 271-280.	3.0	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.	2.7	59
105	Glutotoxicity of the cyanotoxin, β -methyl-amino-L-alanine (BMAA). <i>Scientific Reports</i> , 2013, 3, 1482.	3.3	59
106	The Association of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> with Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2016, 11, e0148731.	2.5	58
107	Identification of cyanobacteria and their toxigenicity in environmental samples by rapid molecular analysis. <i>Environmental Toxicology</i> , 2001, 16, 472-482.	4.0	57
108	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. <i>Organic Geochemistry</i> , 2010, 41, 1207-1218.	1.8	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.	1.8	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.	1.7	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.	1.8	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.	1.6	56
113	A novel prokaryotic <i>arginine:glycine amidinotransferase</i> is involved in cylindrospermopsin biosynthesis. <i>FEBS Journal</i> , 2010, 277, 3844-3860.	4.7	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.	2.3	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.	3.8	54
116	A new quantitative PCR assay for the detection of hepatotoxigenic cyanobacteria. <i>Toxicon</i> , 2011, 57, 546-554.	1.6	54
117	Temporal variations in microcystin-producing cells and microcystin concentrations in two fresh water ponds. <i>Water Research</i> , 2015, 69, 131-142.	11.3	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.	9.8	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.	3.1	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.	1.8	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.	4.8	52
122	Characterization of microcystin production in an Antarctic cyanobacterial mat community. <i>Toxicon</i> , 2006, 47, 271-278.	1.6	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.	3.1	50
124	Novel homologs of the multiple resistance regulator <i>marA</i> in antibiotic-contaminated environments. <i>Water Research</i> , 2008, 42, 4271-4280.	11.3	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.	10.0	49
126	Characterization of nitrogen-fixing cyanobacteria in the Brazilian Amazon floodplain. <i>Water Research</i> , 2005, 39, 5017-5026.	11.3	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.	3.8	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.	2.6	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.	1.6	49
130	DNA restriction-modification systems in the ethanologen, <i>Zymomonas mobilis</i> ZM4. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 761-769.	3.6	49
131	A universal procedure for primer labelling of amplicons. <i>Nucleic Acids Research</i> , 1997, 25, 2938-2939.	14.5	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.	3.8	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.	1.7	46
134	Osmoadaptive Strategies of the Archaeon <i>Halococcus hamelinensis</i> Isolated from a Hypersaline Stromatolite Environment. <i>Astrobiology</i> , 2011, 11, 529-536.	3.0	46
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