

Brett A Neilan

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297 papers	17,080 citations	71 h-index	118 g-index
316 ext. papers	19,341 ext. citations	4.8 avg, IF	6.68 L-index

#	Paper	IF	Citations
297	Structural organization of microcystin biosynthesis in <i>Microcystis aeruginosa</i> PCC7806: an integrated peptide-polyketide synthetase system. <i>Chemistry and Biology</i> , 2000 , 7, 753-64		671
296	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015 , 11, 625-31	11.7	498
295	Neurotoxic alkaloids: saxitoxin and its analogs. <i>Marine Drugs</i> , 2010 , 8, 2185-211	6	485
294	On the chemistry, toxicology and genetics of the cyanobacterial toxins, microcystin, nodularin, saxitoxin and cylindrospermopsin. <i>Marine Drugs</i> , 2010 , 8, 1650-80	6	405
293	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, 693-7		378
292	A red-shifted chlorophyll. <i>Science</i> , 2010 , 329, 1318-9	33.3	360
291	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, 779-87	4.1	312
290	Light and the transcriptional response of the microcystin biosynthesis gene cluster. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 3387-92	4.8	290
289	Xanthogenate nucleic acid isolation from cultured and environmental cyanobacteria. <i>Journal of Phycology</i> , 2000 , 36, 251-258	3	264
288	Biosynthetic intermediate analysis and functional homology reveal a saxitoxin gene cluster in cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4044-53	4.8	260
287	Cyanobacterial toxins: biosynthetic routes and evolutionary roots. <i>FEMS Microbiology Reviews</i> , 2013 , 37, 23-43	15.1	229
286	Identification of genes implicated in toxin production in the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Environmental Toxicology</i> , 2001 , 16, 413-21	4.2	219
285	Environmental conditions that influence toxin biosynthesis in cyanobacteria. <i>Environmental Microbiology</i> , 2013 , 15, 1239-53	5.2	218
284	Characterization of the gene cluster responsible for cylindrospermopsin biosynthesis. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 716-22	4.8	218
283	Diversity within cyanobacterial mat communities in variable salinity meltwater ponds of McMurdo Ice Shelf, Antarctica. <i>Environmental Microbiology</i> , 2005 , 7, 519-29	5.2	206
282	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, 2810-8	4.8	205
281	Nonribosomal peptide synthesis and toxigenicity of cyanobacteria. <i>Journal of Bacteriology</i> , 1999 , 181, 4089-97	3.5	205

280	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, 387-96	5.1	203
279	Ecological and molecular investigations of cyanotoxin production. <i>FEMS Microbiology Ecology</i> , 2001 , 35, 1-9	4.3	195
278	Characterization of the nodularin synthetase gene cluster and proposed theory of the evolution of cyanobacterial hepatotoxins. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 6353-62	4.8	192
277	Exploring the potential of endophytes from medicinal plants as sources of antimycobacterial compounds. <i>Microbiological Research</i> , 2014 , 169, 483-95	5.3	191
276	Microbial diversity of extant stromatolites in the hypersaline marine environment of Shark Bay, Australia. <i>Environmental Microbiology</i> , 2004 , 6, 1096-101	5.2	182
275	Recent advances in the heterologous expression of microbial natural product biosynthetic pathways. <i>Natural Product Reports</i> , 2013 , 30, 1121-38	15.1	156
274	On the origins and biosynthesis of tetrodotoxin. <i>Aquatic Toxicology</i> , 2011 , 104, 61-72	5.1	152
273	<i>Pseudoalteromonas tunicata</i> sp. nov., a bacterium that produces antifouling agents. <i>International Journal of Systematic Bacteriology</i> , 1998 , 48 Pt 4, 1205-12		144
272	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, 1839-45	4.8	143
271	Increased incidence of <i>Cylindrospermopsis raciborskii</i> in temperate zones--is climate change responsible?. <i>Water Research</i> , 2012 , 46, 1408-19	12.5	142
270	Discovery of nuclear-encoded genes for the neurotoxin saxitoxin in dinoflagellates. <i>PLoS ONE</i> , 2011 , 6, e20096	3.7	142
269	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, 107-14		136
268	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, 6370-8	4.8	130
267	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	4.3	125
266	Mutations in UVSSA cause UV-sensitive syndrome and destabilize ERCC6 in transcription-coupled DNA repair. <i>Nature Genetics</i> , 2012 , 44, 593-7	36.3	123
265	<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	2.2	120
264	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, 3708-15	10.3	119
263	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	4.8	118

262	Detection and sequencing of the microcystin LR-degrading gene, mlrA, from new bacteria isolated from Japanese lakes. <i>FEMS Microbiology Letters</i> , 2003 , 229, 271-6	2.9	118
261	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, 2643-55	3.7	117
260	First report and toxicological assessment of the cyanobacterium <i>Cylindrospermopsis raciborskii</i> from Portuguese freshwaters. <i>Ecotoxicology and Environmental Safety</i> , 2003 , 55, 243-50	7	116
259	Understanding the winning strategies used by the bloom-forming cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Harmful Algae</i> , 2016 , 54, 44-53	5.3	115
258	Phylogeography of the invasive cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Molecular Ecology</i> , 2003 , 12, 133-40	5.7	114
257	Carotenoid analysis of halophilic archaea by resonance Raman spectroscopy. <i>Astrobiology</i> , 2007 , 7, 631-43	3.7	111
256	Description of 'Candidatus <i>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	2.2	110
255	Microbial communities reflect temporal changes in cyanobacterial composition in a shallow ephemeral freshwater lake. <i>ISME Journal</i> , 2016 , 10, 1337-51	11.9	108
254	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, 6126-33	4.8	107
253	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, 931-41	5.6	106
252	Multiple alternate transcripts direct the biosynthesis of microcystin, a cyanobacterial nonribosomal peptide. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 449-55	4.8	106
251	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, 1757-70	2.7	105
250	Iron uptake and toxin synthesis in the bloom-forming <i>Microcystis aeruginosa</i> under iron limitation. <i>Environmental Microbiology</i> , 2011 , 13, 1064-77	5.2	104
249	Cyanobacterial protease inhibitor microviridin J causes a lethal molting disruption in <i>Daphnia pulex</i> . <i>Applied and Environmental Microbiology</i> , 2004 , 70, 5047-50	4.8	102
248	Benthic cyanobacteria (Oscillatoriaceae) that produce microcystin-LR, isolated from four reservoirs in southern California. <i>Water Research</i> , 2007 , 41, 492-8	12.5	98
247	THE FRESHWATER CYANOBACTERIUM PLANKTOTHRIX SP. FP1: MOLECULAR IDENTIFICATION AND DETECTION OF PARALYTIC SHELLFISH POISONING TOXINS. <i>Journal of Phycology</i> , 2000 , 36, 553-562		96
246	Determining the specific microbial populations and their spatial distribution within the stromatolite ecosystem of Shark Bay. <i>ISME Journal</i> , 2009 , 3, 383-96	11.9	95
245	Extraordinary conservation, gene loss, and positive selection in the evolution of an ancient neurotoxin. <i>Molecular Biology and Evolution</i> , 2011 , 28, 1173-82	8.3	93

244	Geographical segregation of the neurotoxin-producing cyanobacterium <i>Anabaena circinalis</i> . <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4468-74	4.8	93
243	Enzyme-free cloning: a rapid method to clone PCR products independent of vector restriction enzyme sites. <i>Nucleic Acids Research</i> , 1999 , 27, e26	20.1	91
242	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, 3113-9	2.9	90
241	TWO MORPHOLOGICAL FORMS OF CYLINDROSPERMOPSIS RACIBORSKII (CYANOBACTERIA) ISOLATED FROM SOLOMON DAM, PALM ISLAND, QUEENSLAND. <i>Journal of Phycology</i> , 1999 , 35, 599-606		90
240	sxtA-based quantitative molecular assay to identify saxitoxin-producing harmful algal blooms in marine waters. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 7050-7	4.8	86
239	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, 281-8	11.4	85
238	A <i>Rhodococcus</i> species that thrives on medium saturated with liquid benzene. <i>Microbiology (United Kingdom)</i> , 1997 , 143 (Pt 9), 2975-2981	2.9	83
237	On the presence of peptide synthetase and polyketide synthase genes in the cyanobacterial genus <i>Nodularia</i> . <i>FEMS Microbiology Letters</i> , 2001 , 196, 207-14	2.9	83
236	A spontaneous mutant of microcystin biosynthesis: genetic characterization and effect on <i>Daphnia</i> . <i>Environmental Microbiology</i> , 2001 , 3, 669-79	5.2	82
235	Unravelling core microbial metabolisms in the hypersaline microbial mats of Shark Bay using high-throughput metagenomics. <i>ISME Journal</i> , 2016 , 10, 183-96	11.9	81
234	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, 7836-42	4.8	79
233	Monitoring changing toxigenicity of a cyanobacterial bloom by molecular methods. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 6070-6	4.8	77
232	Genetic characterization of <i>Cylindrospermopsis raciborskii</i> (cyanobacteria) isolates from diverse geographic origins based on nifH and cpcBA-IGS nucleotide sequence analysis. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 2567-71	4.8	76
231	Functional modeling and phylogenetic distribution of putative cylindrospermopsin biosynthesis enzymes. <i>Journal of Molecular Evolution</i> , 2006 , 62, 267-80	3.1	74
230	Evolutionary affiliations within the superfamily of ketosynthases reflect complex pathway associations. <i>Journal of Molecular Evolution</i> , 2003 , 56, 446-57	3.1	74
229	A putative gene cluster from a <i>Lyngbya wollei</i> bloom that encodes paralytic shellfish toxin biosynthesis. <i>PLoS ONE</i> , 2011 , 6, e14657	3.7	74
228	Identification of a saxitoxin biosynthesis gene with a history of frequent horizontal gene transfers. <i>Journal of Molecular Evolution</i> , 2008 , 67, 526-38	3.1	72
227	The genetics, biosynthesis and regulation of toxic specialized metabolites of cyanobacteria. <i>Harmful Algae</i> , 2016 , 54, 98-111	5.3	72

226	Does β-amino-β-methylaminopropionic acid (BMAA) play a role in neurodegeneration?. <i>International Journal of Environmental Research and Public Health</i> , 2011 , 8, 3728-46	4.6	68
225	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, 1888-93	4.9	65
224	Excitotoxic potential of the cyanotoxin β-methyl-amino-L-alanine (BMAA) in primary human neurons. <i>Toxicon</i> , 2012 , 60, 1159-65	2.8	64
223	<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	2.2	64
222	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, 263-72	4.8	61
221	NtcA from <i>Microcystis aeruginosa</i> PCC 7806 is autoregulatory and binds to the microcystin promoter. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 4362-8	4.8	61
220	A multiplex qPCR targeting hepato- and neurotoxic cyanobacteria of global significance. <i>Harmful Algae</i> , 2012 , 15, 19-25	5.3	60
219	Nodularin, a cyanobacterial toxin, is synthesized in planta by symbiotic <i>Nostoc</i> sp. <i>ISME Journal</i> , 2012 , 6, 1834-47	11.9	60
218	BIOCHEMICAL CHARACTERIZATION OF PARALYTIC SHELLFISH TOXIN BIOSYNTHESIS IN VITRO1. <i>Journal of Phycology</i> , 2007 , 43, 497-508	3	59
217	Biosynthesis of toxic naturally-occurring seafood contaminants. <i>Toxicon</i> , 2010 , 56, 244-58	2.8	58
216	The phosphopantetheinyl transferase superfamily: phylogenetic analysis and functional implications in cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2298-305	4.8	58
215	Intraspecific variation in growth, morphology and toxin quotas for the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>Toxicon</i> , 2016 , 119, 307-10	2.8	58
214	Comparative genomics of <i>Cylindrospermopsis raciborskii</i> strains with differential toxicities. <i>BMC Genomics</i> , 2014 , 15, 83	4.5	56
213	Genetic diversity, morphological uniformity and polyketide production in dinoflagellates (<i>Amphidinium</i> , <i>Dinoflagellata</i>). <i>PLoS ONE</i> , 2012 , 7, e38253	3.7	56
212	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	3.7	55
211	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	4.1	55
210	Nutrient-related changes in the toxicity of field blooms of the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>FEMS Microbiology Ecology</i> , 2014 , 89, 135-48	4.3	54
209	Investigation of the biosynthetic potential of endophytes in traditional Chinese anticancer herbs. <i>PLoS ONE</i> , 2012 , 7, e35953	3.7	54

208	Interactions between intracellular Na ⁺ levels and saxitoxin production in <i>Cylindrospermopsis raciborskii</i> T3. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 455-461	2.9	54
207	GENETIC CHARACTERIZATION OF STRAINS OF CYANOBACTERIA USING PCR-RFLP OF THE cpcBA INTERGENIC SPACER AND FLANKING REGIONS1. <i>Journal of Phycology</i> , 1996 , 32, 445-451	3	54
206	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	5.3	52
205	A novel prokaryotic L-arginine:glycine amidinotransferase is involved in cylindrospermopsin biosynthesis. <i>FEBS Journal</i> , 2010 , 277, 3844-60	5.7	52
204	Molecular identification of cyanobacteria associated with stromatolites from distinct geographical locations. <i>Astrobiology</i> , 2002 , 2, 271-80	3.7	52
203	Optimized rapid amplification of cDNA ends (RACE) for mapping bacterial mRNA transcripts. <i>BioTechniques</i> , 2000 , 28, 448, 450, 452-3, 456	2.5	52
202	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. <i>Organic Geochemistry</i> , 2010 , 41, 1207-1218	5.1	51
201	Mining cyanobacterial genomes for genes encoding complex biosynthetic pathways. <i>Natural Product Reports</i> , 2009 , 26, 1447-65	15.1	51
200	Detection of microcystin synthetase genes in health food supplements containing the freshwater cyanobacterium <i>Aphanizomenon flos-aquae</i> . <i>Toxicon</i> , 2005 , 46, 555-62	2.8	51
199	Culturable endophytes of medicinal plants and the genetic basis for their bioactivity. <i>Microbial Ecology</i> , 2012 , 64, 431-49	4.4	50
198	Gliotoxicity of the cyanotoxin, β-methyl-amino-L-alanine (BMAA). <i>Scientific Reports</i> , 2013 , 3, 1482	4.9	50
197	The FeL model of iron acquisition: Nondissociative reduction of ferric complexes in the marine environment. <i>Limnology and Oceanography</i> , 2006 , 51, 1744-1754	4.8	49
196	<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, 237-44	2.5	48
195	Insights into the distribution and abundance of the ubiquitous candidate Saccharibacteria phylum following tag pyrosequencing. <i>Scientific Reports</i> , 2014 , 4, 3957	4.9	48
194	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	7.6	48
193	Identification of cyanobacteria and their toxigenicity in environmental samples by rapid molecular analysis. <i>Environmental Toxicology</i> , 2001 , 16, 472-482	4.2	48
192	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	1.6	48
191	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	2.2	47

190	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, 1445-51	10.3	47
189	Soil-foraging animals alter the composition and co-occurrence of microbial communities in a desert shrubland. <i>ISME Journal</i> , 2015 , 9, 2671-81	11.9	46
188	Temporal variations in microcystin-producing cells and microcystin concentrations in two fresh water ponds. <i>Water Research</i> , 2015 , 69, 131-142	12.5	46
187	Host specificity and phylogeography of the prochlorophyte <i>Prochloron</i> sp., an obligate symbiont in didemnid ascidians. <i>Environmental Microbiology</i> , 2007 , 9, 890-9	5.2	46
186	Characterization of microcystin production in an Antarctic cyanobacterial mat community. <i>Toxicon</i> , 2006 , 47, 271-8	2.8	46
185	Synthetic microbe communities provide internal reference standards for metagenome sequencing and analysis. <i>Nature Communications</i> , 2018 , 9, 3096	17.4	45
184	Novel homologs of the multiple resistance regulator <i>marA</i> in antibiotic-contaminated environments. <i>Water Research</i> , 2008 , 42, 4271-80	12.5	45
183	A new quantitative PCR assay for the detection of hepatotoxigenic cyanobacteria. <i>Toxicon</i> , 2011 , 57, 546-54	2.8	44
182	Development of Taxol and other endophyte produced anti-cancer agents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2008 , 3, 14-9	2.6	44
181	Characterization of nitrogen-fixing cyanobacteria in the Brazilian Amazon floodplain. <i>Water Research</i> , 2005 , 39, 5017-26	12.5	44
180	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	4.7	44
179	Deep sequencing of non-ribosomal peptide synthetases and polyketide synthases from the microbiomes of Australian marine sponges. <i>ISME Journal</i> , 2013 , 7, 1842-51	11.9	43
178	Characteristics of a Microcystin-Degrading Bacterium under Alkaline Environmental Conditions. <i>Journal of Toxicology</i> , 2009 , 2009, 954291	3.1	43
177	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	3.1	42
176	A universal procedure for primer labelling of amplicons. <i>Nucleic Acids Research</i> , 1997 , 25, 2938-9	20.1	42
175	<i>Pseudovibrio denitrificans</i> strain Z143-1, a heptylprodigiosin-producing bacterium isolated from a Philippine tunicate. <i>FEMS Microbiology Letters</i> , 2007 , 277, 188-96	2.9	42
174	Isolation and characterization of two novel ethanol-tolerant facultative-anaerobic thermophilic bacteria strains from waste compost. <i>Extremophiles</i> , 2006 , 10, 363-72	3	42
173	Specific Amplification and Restriction Polymorphisms of the Cyanobacterial rRNA Operon Spacer Region. <i>Systematic and Applied Microbiology</i> , 1997 , 20, 612-621	4.2	41

172	How accurately can we detect <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> infection?. <i>Journal of Microbiological Methods</i> , 2011 , 85, 1-8	2.8	40
171	The expansion of mechanistic and organismic diversity associated with non-ribosomal peptides. <i>FEMS Microbiology Letters</i> , 2000 , 191, 159-67	2.9	40
170	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	4.8	39
169	A feeding study to probe the uptake of Maitotoxin by snapper (<i>Pagrus auratus</i>). <i>Harmful Algae</i> , 2014 , 37, 125-132	5.3	38
168	Lysis efficiency of standard DNA extraction methods for <i>Halococcus</i> spp. in an organic rich environment. <i>Extremophiles</i> , 2008 , 12, 301-8	3	38
167	Algicide production by the filamentous cyanobacterium <i>Fischerella</i> sp. CENA 19. <i>Journal of Applied Phycology</i> , 2004 , 16, 237-243	3.2	38
166	Elevated nutrients change bacterial community composition and connectivity: high throughput sequencing of young marine biofilms. <i>Biofouling</i> , 2016 , 32, 57-69	3.3	37
165	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, 1285-98	5.2	37
164	Global protein-level responses of <i>Halobacterium salinarum</i> NRC-1 to prolonged changes in external sodium chloride concentrations. <i>Journal of Proteome Research</i> , 2009 , 8, 2218-25	5.6	37
163	Analysis of intergenic spacer region length polymorphisms to investigate the halophilic archaeal diversity of stromatolites and microbial mats. <i>Extremophiles</i> , 2007 , 11, 203-10	3	37
162	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	5.3	36
161	Osmoadaptive strategies of the archaeon <i>Halococcus hamelinensis</i> isolated from a hypersaline stromatolite environment. <i>Astrobiology</i> , 2011 , 11, 529-36	3.7	36
160	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, 811-22	3.6	36
159	Constitutive cylindrospermopsin pool size in <i>Cylindrospermopsis raciborskii</i> under different light and CO ₂ partial pressure conditions. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3069-76	4.8	35
158	DNA restriction-modification systems in the ethanologen, <i>Zymomonas mobilis</i> ZM4. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 761-9	5.7	35
157	The competence gene, <i>comF</i> , from <i>Synechocystis</i> sp. strain PCC 6803 is involved in natural transformation, phototactic motility and piliation. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 3623-3631	2.9	35
156	<i>Fodinomyces uranophilus</i> gen. nov. sp. nov. and <i>Coniochaeta fodinicola</i> sp. nov., two uranium mine-inhabiting Ascomycota fungi from northern Australia. <i>Mycologia</i> , 2014 , 106, 1073-89	2.4	34
155	Comparative Profiling and Discovery of Novel Glycosylated Mycosporine-Like Amino Acids in Two Strains of the Cyanobacterium <i>Scytonema</i> cf. <i>crispum</i> . <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5951-9	4.8	34

154	A reinvestigation of saxitoxin production and sxtA in the non-toxic Alexandrium tamarense Group V clade. <i>Harmful Algae</i> , 2012 , 18, 96-104	5.3	33
153	Molecular characterization and the effect of salinity on cyanobacterial diversity in the rice fields of Eastern Uttar Pradesh, India. <i>Saline Systems</i> , 2009 , 5, 4		33
152	Haloferax elongans sp. nov. and Haloferax mucosum 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	2.2	33
151	Insertion of an E. coli lacZ gene in Acetobacter xylinus for the production of cellulose in whey. <i>FEMS Microbiology Letters</i> , 2004 , 231, 253-60	2.9	33
150	A review of analytical methods for assessing the public health risk from microcystin in the aquatic environment 2005 , 54, 509-518		33
149	Exploring cyanobacterial genomes for natural product biosynthesis pathways. <i>Marine Genomics</i> , 2015 , 21, 1-12	1.9	31
148	Modern analogues and the early history of microbial life. <i>Precambrian Research</i> , 2009 , 173, 10-18	3.9	31
147	Biocrust morphology is linked to marked differences in microbial community composition. <i>Plant and Soil</i> , 2018 , 429, 65-75	4.2	30
146	Comparative proteomics reveals that a saxitoxin-producing and a nontoxic strain of Anabaena circinalis are two different ecotypes. <i>Journal of Proteome Research</i> , 2014 , 13, 1474-84	5.6	30
145	ENHANCEMENT OF INTRACELLULAR SAXITOXIN ACCUMULATION BY LIDOCAINE HYDROCHLORIDE IN THE CYANOBACTERIUM CYLINDROSPERMOPSIS RACIBORSKII T3 (NOSTOCALES)1. <i>Journal of Phycology</i> , 2003 , 39, 535-542	3	30
144	Investigations into the taxonomy, toxicity and ecology of benthic cyanobacterial accumulations in Myall Lake, Australia. <i>Marine and Freshwater Research</i> , 2005 , 56, 45	2.2	30
143	Mechanisms and Effects Posed by Neurotoxic Products of Cyanobacteria/Microbial Eukaryotes/Dinoflagellates in Algae Blooms: a Review. <i>Neurotoxicity Research</i> , 2018 , 33, 153-167	4.3	29
142	Mammalian engineers drive soil microbial communities and ecosystem functions across a disturbance gradient. <i>Journal of Animal Ecology</i> , 2016 , 85, 1636-1646	4.7	29
141	Cyclooxygenase-2-linked attenuation of hypoxia-induced pulmonary hypertension and intravascular thrombosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 326, 51-8	4.7	29
140	Identification of an Na(+)-dependent transporter associated with saxitoxin-producing strains of the cyanobacterium Anabaena circinalis. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 4711-9	4.8	29
139	Effects of saxitoxin (STX) and veratridine on bacterial Na ⁺ -K ⁺ fluxes: a prokaryote-based STX bioassay. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 7371-6	4.8	29
138	Genetic potential for secondary metabolite production in stromatolite communities. <i>FEMS Microbiology Letters</i> , 2005 , 243, 293-301	2.9	29
137	The Association of Mycobacterium avium subsp. paratuberculosis with Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2016 , 11, e0148731	3.7	29

136	Directing the Heterologous Production of Specific Cyanobacterial Toxin Variants. <i>ACS Chemical Biology</i> , 2017 , 12, 2021-2029	4.9	28
135	Elevation of myeloperoxidase in conjunction with cardiac-specific markers after marathon running. <i>American Journal of Clinical Pathology</i> , 2006 , 126, 888-93	1.9	28
134	Localization of symbiotic cyanobacteria in the colonial ascidian <i>Trididemnum miniatum</i> (Didemnidae, Ascidiacea). <i>Zoological Science</i> , 2006 , 23, 435-42	0.8	27
133	Physiological and Proteomic Responses of Continuous Cultures of <i>Microcystis aeruginosa</i> PCC 7806 to Changes in Iron Bioavailability and Growth Rate. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5918-29	4.8	26
132	Endolithic phototrophs in built and natural stone. <i>Current Microbiology</i> , 2012 , 65, 183-8	2.4	26
131	Deteriogenic cyanobacteria on historic buildings in Brazil detected by culture and molecular techniques. <i>International Biodeterioration and Biodegradation</i> , 2006 , 57, 239-243	4.8	26
130	Uranium Binding Mechanisms of the Acid-Tolerant Fungus <i>Coniochaeta fodinicola</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 8487-96	10.3	25
129	Cob gene pyrosequencing enables characterization of benthic dinoflagellate diversity and biogeography. <i>Environmental Microbiology</i> , 2014 , 16, 467-85	5.2	25
128	Characterization, Differentiation and Identification of Wild-type Cellulose-synthesizing <i>Acetobacter</i> strains Involved in Nata de Coco Production. <i>Systematic and Applied Microbiology</i> , 1998 , 21, 599-608	4.2	25
127	Polyphasic detection of cyanobacteria in terrestrial biofilms. <i>Biofouling</i> , 2004 , 20, 71-9	3.3	25
126	Genome variation in nine co-occurring toxic <i>Cylindrospermopsis raciborskii</i> strains. <i>Harmful Algae</i> , 2018 , 73, 157-166	5.3	24
125	The molecular genetics and regulation of cyanobacterial peptide hepatotoxin biosynthesis. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 847-56	5.7	24
124	The chemical composition and bacteria communities in acid and metalliferous drainage from the wet-dry tropics are dependent on season. <i>Science of the Total Environment</i> , 2013 , 443, 65-79	10.2	23
123	Characterization of the 2-hydroxy-acid dehydrogenase Mcyl, encoded within the microcystin biosynthesis gene cluster of <i>Microcystis aeruginosa</i> PCC7806. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4681-4692	5.4	23
122	Cytotoxic Effects of Environmental Toxins on Human Glial Cells. <i>Neurotoxicity Research</i> , 2017 , 31, 245-258	4.3	22
121	Diversity and biosynthetic potential of culturable microbes associated with toxic marine animals. <i>Marine Drugs</i> , 2013 , 11, 2695-712	6	22
120	Identification and regulation of novel compatible solutes from hypersaline stromatolite-associated cyanobacteria. <i>Archives of Microbiology</i> , 2010 , 192, 1031-8	3	22
119	Physiological metal uptake by <i>Nostoc punctiforme</i> . <i>BioMetals</i> , 2012 , 25, 893-903	3.4	21

118	Differential accumulation of paralytic shellfish toxins from <i>Alexandrium minutum</i> in the pearl oyster, <i>Pinctada imbricata</i> . <i>Toxicon</i> , 2009 , 54, 217-23	2.8	21
117	NifH gene diversity and expression in a microbial mat community on the McMurdo Ice Shelf, Antarctica. <i>Antarctic Science</i> , 2010 , 22, 117-122	1.7	21
116	Characterization of PPTNs, a cyanobacterial phosphopantetheinyl transferase from <i>Nodularia spumigena</i> NSOR10. <i>Journal of Bacteriology</i> , 2007 , 189, 3133-9	3.5	21
115	Demonstration of the use of <i>Scenedesmus</i> and <i>Carteria</i> biomass to drive bacterial sulfate reduction by <i>Desulfovibrio</i> alcoholovorans isolated from an artificial wetland. <i>Hydrometallurgy</i> , 2003 , 71, 227-234	4	21
114	Cyanobacterial Community Composition and Bacteria-Bacteria Interactions Promote the Stable Occurrence of Particle-Associated Bacteria. <i>Frontiers in Microbiology</i> , 2018 , 9, 777	5.7	20
113	Gene expression and molecular evolution of sxtA4 in a saxitoxin producing dinoflagellate <i>Alexandrium catenella</i> . <i>Toxicon</i> , 2014 , 92, 102-12	2.8	20
112	Rapid, multiplex-tandem PCR assay for automated detection and differentiation of toxigenic cyanobacterial blooms. <i>Molecular and Cellular Probes</i> , 2013 , 27, 208-14	3.3	20
111	Assessment of salinity-induced photorespiratory glycolate metabolism in <i>Anabaena</i> sp. PCC 7120. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 911-917	2.9	20
110	The genetics and genomics of cyanobacterial toxicity. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 619, 417-52	3.6	20
109	Specific global responses to N and Fe nutrition in toxic and non-toxic <i>Microcystis aeruginosa</i> . <i>Environmental Microbiology</i> , 2016 , 18, 401-13	5.2	20
108	Insertions within the Saxitoxin Biosynthetic Gene Cluster Result in Differential Toxin Profiles. <i>ACS Chemical Biology</i> , 2018 , 13, 3107-3114	4.9	20
107	Comparative analysis of cyanobacteria in the rhizosphere and as endosymbionts of cycads in drought-affected soils. <i>FEMS Microbiology Ecology</i> , 2012 , 80, 204-15	4.3	19
106	Phenotype-based identification of host genes required for replication of African swine fever virus. <i>Journal of Virology</i> , 2006 , 80, 8705-17	6.6	19
105	Structural analysis of an extracellular polysaccharide produced by a benzene tolerant bacterium, <i>Rhodococcus</i> sp. 33. <i>Carbohydrate Research</i> , 2006 , 341, 616-23	2.9	19
104	Evidence for differences in the metabolism of saxitoxin and C1+2 toxins in the freshwater cyanobacterium <i>Cylindrospermopsis raciborskii</i> T3. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004 , 1674, 60-7	4	19
103	Detection and identification of cyanobacteria associated with toxic blooms: DNA amplification protocols. <i>Phycologia</i> , 1996 , 35, 147-155	2.7	19
102	Harnessing long-read amplicon sequencing to uncover NRPS and Type I PKS gene sequence diversity in polar desert soils. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	18
101	Functional analysis of PilT from the toxic cyanobacterium <i>Microcystis aeruginosa</i> PCC 7806. <i>Journal of Bacteriology</i> , 2007 , 189, 1689-97	3.5	18

100	Bioactive natural products from Papua New Guinea marine sponges. <i>Chemistry and Biodiversity</i> , 2012 , 9, 2077-95	2.5	17
99	The <i>Synechocystis</i> sp. PCC6803 Sfp-type phosphopantetheinyl transferase does not possess characteristic broad-range activity. <i>ChemBioChem</i> , 2009 , 10, 1869-77	3.8	17
98	Improved methods for in situ enzymatic amplification and detection of low copy number genes in bacteria. <i>FEMS Microbiology Letters</i> , 1997 , 152, 65-73	2.9	17
97	PCR-based positive hybridization to detect genomic diversity associated with bacterial secondary metabolism. <i>Nucleic Acids Research</i> , 2004 , 32, e7	20.1	17
96	Elevated Na(+) and pH influence the production and transport of saxitoxin in the cyanobacteria <i>Anabaena circinalis</i> AWQC131C and <i>Cylindrospermopsis raciborskii</i> T3. <i>Environmental Microbiology</i> , 2016 , 18, 427-38	5.2	17
95	Proteogenomics of a saxitoxin-producing and non-toxic strain of <i>Anabaena circinalis</i> (cyanobacteria) in response to extracellular NaCl and phosphate depletion. <i>Environmental Microbiology</i> , 2016 , 18, 461-76	5.2	17
94	<i>Alexandrium diversaporum</i> sp. nov., a new non-saxitoxin producing species: Phylogeny, morphology and sxtA genes. <i>Harmful Algae</i> , 2014 , 31, 54-65	5.3	16
93	Comparative genomics between human and animal associated subspecies of the <i>Mycobacterium avium</i> complex: a basis for pathogenicity. <i>BMC Genomics</i> , 2015 , 16, 695	4.5	16
92	Molecular assessment of UVC radiation-induced DNA damage repair in the stromatolitic halophilic archaeon, <i>Halococcus hamelinensis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 102, 140-5	6.7	16
91	Advances in genomics, transcriptomics and proteomics of toxin-producing cyanobacteria. <i>Environmental Microbiology Reports</i> , 2016 , 8, 3-13	3.7	16
90	Bioinformatic, phylogenetic and chemical analysis of the UV-absorbing compounds scytonemin and mycosporine-like amino acids from the microbial mat communities of Shark Bay, Australia. <i>Environmental Microbiology</i> , 2019 , 21, 702-715	5.2	16
89	The molecular evolution and DNA profiling of toxic cyanobacteria. <i>Current Issues in Molecular Biology</i> , 2002 , 4, 1-11	2.9	16
88	Viral Communities of Shark Bay Modern Stromatolites. <i>Frontiers in Microbiology</i> , 2018 , 9, 1223	5.7	15
87	Microbial diversity and diazotrophy associated with the freshwater non-heterocyst forming cyanobacterium <i>Lyngbya robusta</i> . <i>Journal of Applied Phycology</i> , 2013 , 25, 1039-1045	3.2	15
86	DNA profiling of complex bacterial populations: toxic cyanobacterial blooms. <i>Applied Microbiology and Biotechnology</i> , 2009 , 85, 237-52	5.7	15
85	Endolithic Phototrophs from an Active Geothermal Region in New Zealand. <i>Geomicrobiology Journal</i> , 2006 , 23, 579-587	2.5	15
84	Non-ribosomal peptide antibiotics. <i>Expert Opinion on Therapeutic Patents</i> , 2000 , 10, 1583-1591	6.8	15
83	16S ribosomal RNA gene sequence and phylogeny of toxic <i>Microcystis</i> sp. (cyanobacteria). <i>DNA Sequence</i> , 1994 , 4, 333-7		15

82	Optimisation of DNA extraction and validation of PCR assays to detect <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Journal of Microbiological Methods</i> , 2015 , 112, 99-103	2.8	14
81	A novel method of extracting plasmid DNA from <i>Helicobacter</i> species. <i>Helicobacter</i> , 1998 , 3, 269-77	4.9	14
80	Comparative gene expression of PSP-toxin producing and non-toxic <i>Anabaena circinalis</i> strains. <i>Environment International</i> , 2006 , 32, 743-8	12.9	14
79	Re-evaluation of paralytic shellfish toxin profiles in cyanobacteria using hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Toxicon</i> , 2019 , 158, 1-7	2.8	14
78	Diversity of cyanobacterial biomarker genes from the stromatolites of Shark Bay, Western Australia. <i>Environmental Microbiology</i> , 2013 , 15, 1464-75	5.2	13
77	Adaptation, ecology, and evolution of the halophilic stromatolite archaeon <i>Halococcus hamelinensis</i> inferred through genome analyses. <i>Archaea</i> , 2015 , 2015, 241608	2	13
76	Identification of pilus-like structures and genes in <i>Microcystis aeruginosa</i> PCC7806. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 7621-5	4.8	13
75	Lack of Methylated Hopanoids Renders the Cyanobacterium <i>Nostoc punctiforme</i> Sensitive to Osmotic and pH Stress. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	12
74	Functional characterization of the twin ZIP/SLC39 metal transporters, NpunF3111 and NpunF2202 in <i>Nostoc punctiforme</i> . <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 8649-62	5.7	12
73	Increased methane production in cyanobacteria and methanogenic microbe co-cultures. <i>Bioresource Technology</i> , 2017 , 243, 686-692	11	12
72	Genome sequence of the halophilic archaeon <i>Halococcus hamelinensis</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 2100-1	3.5	12
71	Cyanobacteria from Brazilian building walls are distant relatives of aquatic genera. <i>OMICS A Journal of Integrative Biology</i> , 2005 , 9, 30-42	3.8	12
70	n-butanol purification of dye terminator sequencing reactions. <i>BioTechniques</i> , 1999 , 26, 606-8, 610	2.5	12
69	Combined genetic and bioactivity-based prioritization leads to the isolation of an endophyte-derived antimycobacterial compound. <i>Journal of Applied Microbiology</i> , 2016 , 120, 1229-39	4.7	11
68	Heterologous expression and biochemical characterisation of cyanotoxin biosynthesis pathways. <i>Natural Product Reports</i> , 2019 , 36, 1117-1136	15.1	10
67	Global cellular responses to β -methyl-amino-L-alanine (BMAA) by olfactory ensheathing glial cells (OEC). <i>Toxicon</i> , 2015 , 99, 136-45	2.8	10
66	<i>Nostoc</i> , <i>Microcoleus</i> and <i>Leptolyngbya</i> inoculums are detrimental to the growth of wheat (<i>Triticum aestivum</i> L.) under salt stress. <i>Plant and Soil</i> , 2013 , 370, 317-332	4.2	10
65	Uranium extraction from a low-grade, stockpiled, non-sulfidic ore: Impact of added iron and the native microbial consortia. <i>Hydrometallurgy</i> , 2017 , 167, 81-91	4	10

64	Identification of two residues essential for the stringent substrate specificity and active site stability of the prokaryotic l-arginine:glycine amidinotransferase CyrA. <i>FEBS Journal</i> , 2012 , 279, 805-15	5.7	10
63	Detection, isolation, and characterization of helicobacter species from the gastrointestinal tract of the brushtail possum. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 1581-7	4.8	10
62	Molecular identification and characterization of three isoforms of tachykinin NK(1)-like receptors in the cane toad <i>Bufo marinus</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 287, R575-85	3.2	10
61	The <i>Helicobacter pylori</i> pyrB gene encoding aspartate carbamoyltransferase is essential for bacterial survival. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 380, 78-84	4.1	10
60	An immortalized myocyte cell line, HL-1, expresses a functional delta -opioid receptor. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 2187-93	5.8	10
59	Genome mining of a fungal endophyte of <i>Taxus yunnanensis</i> (Chinese yew) leads to the discovery of a novel azaphilone polyketide, lijiquinone. <i>Microbial Biotechnology</i> , 2020 , 13, 1415-1427	6.3	9
58	Molecular and cellular characterisation of the zinc uptake (Znu) system of <i>Nostoc punctiforme</i> . <i>FEMS Microbiology Ecology</i> , 2013 , 86, 149-71	4.3	9
57	Effects of synthetic local anaesthetics on the growth of the cyanobacterium <i>Synechococcus leopoliensis</i> . <i>Journal of Applied Phycology</i> , 2004 , 16, 145-152	3.2	9
56	Small-scale preparation of the single-copy bacterial artificial chromosome vector pBeloBAC11. <i>BioTechniques</i> , 1998 , 24, 568-70, 572	2.5	9
55	Distribution and conservation of known secondary metabolite biosynthesis gene clusters in the genomes of geographically diverse <i>Microcystis aeruginosa</i> strains. <i>Marine and Freshwater Research</i> , 2020 , 71, 701	2.2	9
54	Use of Ion-Channel Modulating Agents to Study Cyanobacterial Na(+) - K(+) Fluxes. <i>Biological Procedures Online</i> , 2004 , 6, 137-143	8.3	8
53	Detection of <i>Helicobacter</i> species in the gastrointestinal tract of ringtail possum and koala: possible influence of diet, on the gut microbiota. <i>Veterinary Microbiology</i> , 2013 , 166, 429-37	3.3	7
52	Molecular and morphological survey of saxitoxin-producing cyanobacterium <i>Dolichospermum circinale</i> (<i>Anabaena circinalis</i>) isolated from geographically distinct regions of Australia. <i>Toxicon</i> , 2017 , 138, 68-77	2.8	7
51	Molecular detection of genes responsible for cyanobacterial toxin production in the genera <i>Microcystis</i> , <i>Nodularia</i> , and <i>Cylindrospermopsis</i> . <i>Methods in Molecular Biology</i> , 2004 , 268, 213-22	1.4	7
50	Towards a molecular taxonomy for the bloom-forming cyanobacteria. <i>Marine and Freshwater Research</i> , 1994 , 45, 869	2.2	7
49	Physiological responses of the freshwater N -fixing cyanobacterium <i>Raphidiopsis raciborskii</i> to Fe and N availabilities. <i>Environmental Microbiology</i> , 2019 , 21, 1211-1223	5.2	6
48	Alternariol 9-O-methyl ether. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o1471		6
47	Heterologous expression of the alcohol dehydrogenase (adhI) gene from <i>Geobacillus thermoglucosidasius</i> strain M10EXG. <i>Journal of Biotechnology</i> , 2008 , 135, 127-33	3.7	6

46	Screening, identification and kinetic characterization of a bacterium for Mn(II) uptake and oxidation. <i>Biotechnology Letters</i> , 2003 , 25, 1407-13	3	6
45	Enzyme-free cloning of PCR products and fusion protein expression. <i>Methods in Molecular Biology</i> , 2002 , 192, 125-32	1.4	6
44	Absence of detectable levels of the cyanobacterial toxin (microcystin-LR) carry-over into milk. <i>Toxicon</i> , 2002 , 40, 1173-180	2.8	6
43	Molecular Classification of Commercial Spirulina Strains and Identification of Their Sulfolipid Biosynthesis Genes. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 359-365	3.3	6
42	Zorbamycin has a different DNA sequence selectivity compared with bleomycin and analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 6094-6101	3.4	6
41	Mutagenesis of the Microcystin Tailoring and Transport Proteins in a Heterologous Cyanotoxin Expression System. <i>ACS Synthetic Biology</i> , 2019 , 8, 1187-1194	5.7	5
40	The ZntA-like NpunR4017 plays a key role in maintaining homeostatic levels of zinc in <i>Nostoc punctiforme</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 10559-74	5.7	5
39	An In Vitro and In Vivo Study of Broad-Range Phosphopantetheinyl Transferases for Heterologous Expression of Cyanobacterial Natural Products. <i>ACS Synthetic Biology</i> , 2018 , 7, 1143-1151	5.7	5
38	Genome-Guided Discovery of Natural Products and Biosynthetic Pathways from Australian Untapped Microbial Megadiversity. <i>Australian Journal of Chemistry</i> , 2016 , 69, 129	1.2	5
37	Molecular detection of hepatotoxic cyanobacteria in inland water bodies of the Marmara Region, Turkey. <i>Advances in Oceanography and Limnology</i> , 2017 , 8,	1.3	5
36	Neurotoxic Alkaloids from Cyanobacteria 2013 , 39-83		5
35	Characterization of the V3 region of HIV-1 isolates from Sydney, Australia. <i>AIDS Research and Human Retroviruses</i> , 1995 , 11, 423-5	1.6	5
34	Direct PCR sequencing of dystrophin polymorphic CACA alleles after purification to remove shadow bands. <i>DNA and Cell Biology</i> , 1992 , 11, 637-40	3.6	5
33	Peroxide reduction by a metal-dependent catalase in <i>Nostoc punctiforme</i> (cyanobacteria). <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3781-3800	5.7	4
32	Contrasting effects of two mammalian soil engineers on microbial communities. <i>Austral Ecology</i> , 2017 , 42, 380-384	1.5	4
31	Cyanobacterial Mats of the Meltwater Ponds on the McMurdo Ice Shelf (Antarctica). <i>Cellular Origin and Life in Extreme Habitats</i> , 2010 , 499-514		4
30	Sequence analyses of the reverse transcriptase region of HIV type 1 isolates from Sydney, Australia. <i>AIDS Research and Human Retroviruses</i> , 1996 , 12, 1731-2	1.6	4
29	Genome Mining and Evolutionary Analysis Reveal Diverse Type III Polyketide Synthase Pathways in Cyanobacteria. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	4

28	Phenotypic niche partitioning and transcriptional responses of <i>Microcystis aeruginosa</i> in a spatially heterogeneous environment. <i>Algal Research</i> , 2019 , 41, 101551	5	3
27	Characterization of two cation diffusion facilitators NpunF0707 and NpunF1794 in <i>Nostoc punctiforme</i> . <i>Journal of Applied Microbiology</i> , 2015 , 119, 1357-70	4.7	3
26	An improved method for the purification of large DNA fragments from agarose gels using Wizard Plus SV columns. <i>Analytical Biochemistry</i> , 1999 , 269, 218-9	3.1	3
25	Alternariol 9-O-methyl ether dimethyl sulfoxide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o872-3		3
24	Cyanobacterial blooms in wastewater treatment facilities: Significance and emerging monitoring strategies. <i>Journal of Microbiological Methods</i> , 2021 , 180, 106123	2.8	3
23	A Clade with Remarkable Biosynthetic Potential. <i>Applied and Environmental Microbiology</i> , 2021 , 87,	4.8	3
22	Industrial robustness linked to the gluconolactonase from <i>Zymomonas mobilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5089-5099	5.7	2
21	Endophytes and the microbial genetics of traditional medicines. <i>Microbiology Australia</i> , 2010 , 31, 60	0.8	2
20	Heterologous Expression of an Unusual Ketosynthase, SxtA, Leads to Production of Saxitoxin Intermediates in <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2021 , 22, 845-849	3.8	2
19	Recent developments in quantitative PCR for monitoring harmful marine microalgae. <i>Harmful Algae</i> , 2021 , 108, 102096	5.3	2
18	Identification of promoter elements in the <i>Dolichospermum circinale</i> AWQC131C saxitoxin gene cluster and the experimental analysis of their use for heterologous expression. <i>BMC Microbiology</i> , 2020 , 20, 35	4.5	1
17	A multidrug efflux response to methyl viologen and acriflavine toxicity in the cyanobacterium <i>Synechocystis</i> sp. PCC6803. <i>Journal of Applied Phycology</i> , 2016 , 28, 2793-2803	3.2	1
16	T-RFLP Fingerprinting Analysis of Bacterial Communities in Debris Cones, Northern Victoria Land, Antarctica. <i>Permafrost and Periglacial Processes</i> , 2012 , 23, 244-248	4.2	1
15	Cyanotoxins 2013 , 257-268		1
14	Comparative genomics for understanding intraspecific diversity: a case study of the cyanobacterium <i>Raphidiopsis raciborskii</i> 2022 , 415-434		1
13	Comparative proteomics of the toxigenic diazotroph <i>Raphidiopsis raciborskii</i> (cyanobacteria) in response to iron. <i>Environmental Microbiology</i> , 2021 , 23, 405-414	5.2	1
12	Quantitative detection of human- and canine-associated <i>Bacteroides</i> genetic markers from an urban coastal lagoon. <i>Water Science and Technology</i> , 2021 , 84, 1732-1744	2.2	1
11	Australian bush medicines harbour diverse microbial endophytes with broad-spectrum antibacterial activity. <i>Journal of Applied Microbiology</i> , 2021 , 131, 2244-2256	4.7	0

10	A new species of cryptic cyanobacteria isolated from the epidermis of a bottlenose dolphin and as a bioaerosol. <i>Phycologia</i> , 1-16	2.7	○
9	Expression of Cyanobacterial Biosynthetic Gene Clusters in Escherichia coli.. <i>Methods in Molecular Biology</i> , 2022 , 2489, 315-332	1.4	○
8	Session 18. Functional Complexity of Modern Stromatolites and Microbial Mats. <i>Astrobiology</i> , 2008 , 8, 378-383	3.7	
7	Stromatolites as a resource for novel natural products. <i>Origins of Life and Evolution of Biospheres</i> , 2006 , 36, 623-4	1.5	
6	Microbial Communities of Stromatolites. <i>Cellular Origin and Life in Extreme Habitats</i> , 2009 , 143-158		
5	Molecular biology for investigation of cyanobacterial populations on historic buildings in Brazil 2017 , 141-144		
4	Saxitoxin and Related Paralytic Shellfish Toxins 2018 , 1045-1055		
3	Genomic Contributions to Understanding the Evolution of Red Algal Plastids and Pigment Biosynthesis. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010 , 261-273		
2	Bioprospecting and Insights into the Biosynthesis of Natural Products from Marine Microalgae 2018 , 553-581		
1	Heterologous Expression and Biochemical Analysis Reveal a Schizokinen-Based Siderophore Pathway in (Cyanobacteria).. <i>Applied and Environmental Microbiology</i> , 2022 , e0237321	4.8	