Brett A Neilan

List of Publications by Year in Descending Order

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	Comparative genomics for understanding intraspecific diversity: a case study of the cyanobacterium Raphidiopsis raciborskii **2022**, 415-434		1
296	Heterologous Expression and Biochemical Analysis Reveal a Schizokinen-Based Siderophore Pathway in (Cyanobacteria).. *Applied and Environmental Microbiology*, **2022**, e0237321	4.8	
295	Expression of Cyanobacterial Biosynthetic Gene Clusters in Escherichia coli.. *Methods in Molecular Biology*, **2022**, 2489, 315-332	1.4	0
294	Genome Mining and Evolutionary Analysis Reveal Diverse Type III Polyketide Synthase Pathways in Cyanobacteria. *Genome Biology and Evolution*, **2021**, 13,	3.9	4
293	Australian bush medicines harbour diverse microbial endophytes with broad-spectrum antibacterial activity. *Journal of Applied Microbiology*, **2021**, 131, 2244-2256	4.7	0
292	Heterologous Expression of an Unusual Ketosynthase, SxtA, Leads to Production of Saxitoxin Intermediates in Escherichia coli. *ChemBioChem*, **2021**, 22, 845-849	3.8	2
291	Comparative proteomics of the toxigenic diazotroph Raphidiopsis raciborskii (cyanobacteria) in response to iron. *Environmental Microbiology*, **2021**, 23, 405-414	5.2	1
290	Cyanobacterial blooms in wastewater treatment facilities: Significance and emerging monitoring strategies. *Journal of Microbiological Methods*, **2021**, 180, 106123	2.8	3
289	A Clade with Remarkable Biosynthetic Potential. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	3
288	Quantitative detection of human- and canine-associated Bacteroides genetic markers from an urban coastal lagoon. *Water Science and Technology*, **2021**, 84, 1732-1744	2.2	1
287	Recent developments in quantitative PCR for monitoring harmful marine microalgae. *Harmful Algae*, **2021**, 108, 102096	5.3	2
286	Identification of promoter elements in the Dolichospermum circinale AWQC131C saxitoxin gene cluster and the experimental analysis of their use for heterologous expression. *BMC Microbiology*, **2020**, 20, 35	4.5	1
285	Genome mining of a fungal endophyte of Taxus yunnanensis (Chinese yew) leads to the discovery of a novel azaphilone polyketide, lijiquinone. *Microbial Biotechnology*, **2020**, 13, 1415-1427	6.3	9
284	Distribution and conservation of known secondary metabolite biosynthesis gene clusters in the genomes of geographically diverse Microcystis aeruginosa strains. *Marine and Freshwater Research*, **2020**, 71, 701	2.2	9
283	Heterologous expression and biochemical characterisation of cyanotoxin biosynthesis pathways. *Natural Product Reports*, **2019**, 36, 1117-1136	15.1	10
282	Physiological responses of the freshwater N -fixing cyanobacterium Raphidiopsis raciborskii to Fe and N availabilities. *Environmental Microbiology*, **2019**, 21, 1211-1223	5.2	6
281	Phenotypic niche partitioning and transcriptional responses of Microcystis aeruginosa in a spatially heterogeneous environment. *Algal Research*, **2019**, 41, 101551	5	3

280	Mutagenesis of the Microcystin Tailoring and Transport Proteins in a Heterologous Cyanotoxin Expression System. *ACS Synthetic Biology*, **2019**, 8, 1187-1194	5.7	5
279	Harnessing long-read amplicon sequencing to uncover NRPS and Type I PKS gene sequence diversity in polar desert soils. *FEMS Microbiology Ecology*, **2019**, 95,	4.3	18
278	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. *Environmental Microbiology*, **2019**, 21, 702-715	5.2	16
277	Re-evaluation of paralytic shellfish toxin profiles in cyanobacteria using hydrophilic interaction liquid chromatography-tandem mass spectrometry. *Toxicon*, **2019**, 158, 1-7	2.8	14
276	An In Vitro and In Vivo Study of Broad-Range Phosphopantetheinyl Transferases for Heterologous Expression of Cyanobacterial Natural Products. *ACS Synthetic Biology*, **2018**, 7, 1143-1151	5.7	5
275	Genome variation in nine co-occurring toxic Cylindrospermopsis raciborskii strains. *Harmful Algae*, **2018**, 73, 157-166	5.3	24
274	Biocrust morphology is linked to marked differences in microbial community composition. *Plant and Soil*, **2018**, 429, 65-75	4.2	30
273	Mechanisms and Effects Posed by Neurotoxic Products of Cyanobacteria/Microbial Eukaryotes/Dinoflagellates in Algae Blooms: a Review. *Neurotoxicity Research*, **2018**, 33, 153-167	4.3	29
272	Synthetic microbe communities provide internal reference standards for metagenome sequencing and analysis. *Nature Communications*, **2018**, 9, 3096	17.4	45
271	Cyanobacterial Community Composition and Bacteria-Bacteria Interactions Promote the Stable Occurrence of Particle-Associated Bacteria. *Frontiers in Microbiology*, **2018**, 9, 777	5.7	20
270	Viral Communities of Shark Bay Modern Stromatolites. *Frontiers in Microbiology*, **2018**, 9, 1223	5.7	15
269	Saxitoxin and Related Paralytic Shellfish Toxins **2018**, 1045-1055		
268	Insertions within the Saxitoxin Biosynthetic Gene Cluster Result in Differential Toxin Profiles. *ACS Chemical Biology*, **2018**, 13, 3107-3114	4.9	20
267	Bioprospecting and Insights into the Biosynthesis of Natural Products from Marine Microalgae **2018**, 553-581		
266	Peroxide reduction by a metal-dependent catalase in Nostoc punctiforme (cyanobacteria). *Applied Microbiology and Biotechnology*, **2017**, 101, 3781-3800	5.7	4
265	Lack of Methylated Hopanoids Renders the Cyanobacterium Nostoc punctiforme Sensitive to Osmotic and pH Stress. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	12
264	Contrasting effects of two mammalian soil engineers on microbial communities. *Austral Ecology*, **2017**, 42, 380-384	1.5	4
263	Directing the Heterologous Production of Specific Cyanobacterial Toxin Variants. *ACS Chemical Biology*, **2017**, 12, 2021-2029	4.9	28

262	Industrial robustness linked to the gluconolactonase from Zymomonas mobilis. *Applied Microbiology and Biotechnology*, **2017**, 101, 5089-5099	5.7	2
261	Molecular and morphological survey of saxitoxin-producing cyanobacterium Dolichospermum circinale (Anabaena circinalis) isolated from geographically distinct regions of Australia. *Toxicon*, **2017**, 138, 68-77	2.8	7
260	Increased methane production in cyanobacteria and methanogenic microbe co-cultures. *Bioresource Technology*, **2017**, 243, 686-692	11	12
259	Uranium extraction from a low-grade, stockpiled, non-sulfidic ore: Impact of added iron and the native microbial consortia. *Hydrometallurgy*, **2017**, 167, 81-91	4	10
258	Cytotoxic Effects of Environmental Toxins on Human Glial Cells. *Neurotoxicity Research*, **2017**, 31, 245-258	4.3	22
257	Molecular detection of hepatotoxic cyanobacteria in inland water bodies of the Marmara Region, Turkey. *Advances in Oceanography and Limnology*, **2017**, 8,	1.3	5
256	Molecular biology for investigation of cyanobacterial populations on historic buildings in Brazil **2017**, 141-144		
255	Physiological and Proteomic Responses of Continuous Cultures of Microcystis aeruginosa PCC 7806 to Changes in Iron Bioavailability and Growth Rate. *Applied and Environmental Microbiology*, **2016**, 82, 5918-29	4.8	26
254	Heterologous Production of Cyanobacterial Mycosporine-Like Amino Acids Mycosporine-Ornithine and Mycosporine-Lysine in Escherichia coli. *Applied and Environmental Microbiology*, **2016**, 82, 6167-6173	4.8	39
253	Mammalian engineers drive soil microbial communities and ecosystem functions across a disturbance gradient. *Journal of Animal Ecology*, **2016**, 85, 1636-1646	4.7	29
252	Combined genetic and bioactivity-based prioritization leads to the isolation of an endophyte-derived antimycobacterial compound. *Journal of Applied Microbiology*, **2016**, 120, 1229-39	4.7	11
251	Unravelling core microbial metabolisms in the hypersaline microbial mats of Shark Bay using high-throughput metagenomics. *ISME Journal*, **2016**, 10, 183-96	11.9	81
250	Elevated nutrients change bacterial community composition and connectivity: high throughput sequencing of young marine biofilms. *Biofouling*, **2016**, 32, 57-69	3.3	37
249	Microbial communities reflect temporal changes in cyanobacterial composition in a shallow ephemeral freshwater lake. *ISME Journal*, **2016**, 10, 1337-51	11.9	108
248	A multidrug efflux response to methyl viologen and acriflavine toxicity in the cyanobacterium Synechocystis sp. PCC6803. *Journal of Applied Phycology*, **2016**, 28, 2793-2803	3.2	1
247	Genome-Guided Discovery of Natural Products and Biosynthetic Pathways from Australia's Untapped Microbial Megadiversity. *Australian Journal of Chemistry*, **2016**, 69, 129	1.2	5
246	The Association of Mycobacterium avium subsp. paratuberculosis with Inflammatory Bowel Disease. *PLoS ONE*, **2016**, 11, e0148731	3.7	29
245	Elevated Na(+) and pH influence the production and transport of saxitoxin in the cyanobacteria Anabaena circinalis AWQC131C and Cylindrospermopsis raciborskii T3. *Environmental Microbiology*, **2016**, 18, 427-38	5.2	17

244	Proteogenomics of a saxitoxin-producing and non-toxic strain of Anabaena circinalis (cyanobacteria) in response to extracellular NaCl and phosphate depletion. *Environmental Microbiology*, **2016**, 18, 461-76	5.2	17
243	Intraspecific variation in growth, morphology and toxin quotas for the cyanobacterium, Cylindrospermopsis raciborskii. *Toxicon*, **2016**, 119, 307-10	2.8	58
242	Specific global responses to N and Fe nutrition in toxic and non-toxic Microcystis aeruginosa. *Environmental Microbiology*, **2016**, 18, 401-13	5.2	20
241	Advances in genomics, transcriptomics and proteomics of toxin-producing cyanobacteria. *Environmental Microbiology Reports*, **2016**, 8, 3-13	3.7	16
240	Understanding the winning strategies used by the bloom-forming cyanobacterium Cylindrospermopsis raciborskii. *Harmful Algae*, **2016**, 54, 44-53	5.3	115
239	The genetics, biosynthesis and regulation of toxic specialized metabolites of cyanobacteria. *Harmful Algae*, **2016**, 54, 98-111	5.3	72
238	Zorbamycin has a different DNA sequence selectivity compared with bleomycin and analogues. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 6094-6101	3.4	6
237	Comparative Profiling and Discovery of Novel Glycosylated Mycosporine-Like Amino Acids in Two Strains of the Cyanobacterium Scytonema cf. crispum. *Applied and Environmental Microbiology*, **2016**, 82, 5951-9	4.8	34
236	Uranium Binding Mechanisms of the Acid-Tolerant Fungus Coniochaeta fodinicola. *Environmental Science & Technology*, **2015**, 49, 8487-96	10.3	25
235	Soil-foraging animals alter the composition and co-occurrence of microbial communities in a desert shrubland. *ISME Journal*, **2015**, 9, 2671-81	11.9	46
234	Global cellular responses to β-methyl-amino-L-alanine (BMAA) by olfactory ensheathing glial cells (OEC). *Toxicon*, **2015**, 99, 136-45	2.8	10
233	Optimisation of DNA extraction and validation of PCR assays to detect Mycobacterium avium subsp. paratuberculosis. *Journal of Microbiological Methods*, **2015**, 112, 99-103	2.8	14
232	Constitutive cylindrospermopsin pool size in Cylindrospermopsis raciborskii under different light and CO2 partial pressure conditions. *Applied and Environmental Microbiology*, **2015**, 81, 3069-76	4.8	35
231	The ZntA-like NpunR4017 plays a key role in maintaining homeostatic levels of zinc in Nostoc punctiforme. *Applied Microbiology and Biotechnology*, **2015**, 99, 10559-74	5.7	5
230	Minimum Information about a Biosynthetic Gene cluster. *Nature Chemical Biology*, **2015**, 11, 625-31	11.7	498
229	Exploring cyanobacterial genomes for natural product biosynthesis pathways. *Marine Genomics*, **2015**, 21, 1-12	1.9	31
228	Comparative genomics between human and animal associated subspecies of the Mycobacterium avium complex: a basis for pathogenicity. *BMC Genomics*, **2015**, 16, 695	4.5	16
227	Characterization of two cation diffusion facilitators NpunF0707 and NpunF1794 in Nostoc punctiforme. *Journal of Applied Microbiology*, **2015**, 119, 1357-70	4.7	3

226	Adaptation, ecology, and evolution of the halophilic stromatolite archaeon Halococcus hamelinensis inferred through genome analyses. *Archaea*, **2015**, 2015, 241608	2	13
225	Temporal variations in microcystin-producing cells and microcystin concentrations in two fresh water ponds. *Water Research*, **2015**, 69, 131-142	12.5	46
224	Exploring the potential of endophytes from medicinal plants as sources of antimycobacterial compounds. *Microbiological Research*, **2014**, 169, 483-95	5.3	191
223	Comparative genomics of Cylindrospermopsis raciborskii strains with differential toxicities. *BMC Genomics*, **2014**, 15, 83	4.5	56
222	Nutrient-related changes in the toxicity of field blooms of the cyanobacterium, Cylindrospermopsis raciborskii. *FEMS Microbiology Ecology*, **2014**, 89, 135-48	4.3	54
221	Gene expression and molecular evolution of sxtA4 in a saxitoxin producing dinoflagellate Alexandrium catenella. *Toxicon*, **2014**, 92, 102-12	2.8	20
220	High abundance of the potentially maitotoxic dinoflagellate Gambierdiscus carpenteri in temperate waters of New South Wales, Australia. *Harmful Algae*, **2014**, 39, 134-145	5.3	52
219	Comparative proteomics reveals that a saxitoxin-producing and a nontoxic strain of Anabaena circinalis are two different ecotypes. *Journal of Proteome Research*, **2014**, 13, 1474-84	5.6	30
218	Alexandrium diversaporum sp. nov., a new non-saxitoxin producing species: Phylogeny, morphology and sxtA genes. *Harmful Algae*, **2014**, 31, 54-65	5.3	16
217	A feeding study to probe the uptake of Maitotoxin by snapper (Pagrus auratus). *Harmful Algae*, **2014**, 37, 125-132	5.3	38
216	Insights into the distribution and abundance of the ubiquitous candidatus Saccharibacteria phylum following tag pyrosequencing. *Scientific Reports*, **2014**, 4, 3957	4.9	48
215	Cob gene pyrosequencing enables characterization of benthic dinoflagellate diversity and biogeography. *Environmental Microbiology*, **2014**, 16, 467-85	5.2	25
214	Fodinomyces uranophilus gen. nov. sp. nov. and Coniochaeta fodinicola sp. nov., two uranium mine-inhabiting Ascomycota fungi from northern Australia. *Mycologia*, **2014**, 106, 1073-89	2.4	34
213	Diversity of cyanobacterial biomarker genes from the stromatolites of Shark Bay, Western Australia. *Environmental Microbiology*, **2013**, 15, 1464-75	5.2	13
212	Nostoc, Microcoleus and Leptolyngbya inoculums are detrimental to the growth of wheat (Triticum aestivum L.) under salt stress. *Plant and Soil*, **2013**, 370, 317-332	4.2	10
211	Microbial diversity and diazotrophy associated with the freshwater non-heterocyst forming cyanobacterium Lyngbya robusta. *Journal of Applied Phycology*, **2013**, 25, 1039-1045	3.2	15
210	High-titer heterologous production in E. coli of lyngbyatoxin, a protein kinase C activator from an uncultured marine cyanobacterium. *ACS Chemical Biology*, **2013**, 8, 1888-93	4.9	65
209	Functional characterization of the twin ZIP/SLC39 metal transporters, NpunF3111 and NpunF2202 in Nostoc punctiforme. *Applied Microbiology and Biotechnology*, **2013**, 97, 8649-62	5.7	12

208	Effects of hydrology and river management on the distribution, abundance and persistence of cyanobacterial blooms in the Murray River, Australia. *Harmful Algae*, **2013**, 30, 27-36	5.3	36
207	Detection of Helicobacter species in the gastrointestinal tract of ringtail possum and koala: possible influence of diet, on the gut microbiota. *Veterinary Microbiology*, **2013**, 166, 429-37	3.3	7
206	Environmental conditions that influence toxin biosynthesis in cyanobacteria. *Environmental Microbiology*, **2013**, 15, 1239-53	5.2	218
205	The chemical composition and bacteria communities in acid and metalliferous drainage from the wet-dry tropics are dependent on season. *Science of the Total Environment*, **2013**, 443, 65-79	10.2	23
204	Rapid, multiplex-tandem PCR assay for automated detection and differentiation of toxigenic cyanobacterial blooms. *Molecular and Cellular Probes*, **2013**, 27, 208-14	3.3	20
203	Cyanobacterial toxins: biosynthetic routes and evolutionary roots. *FEMS Microbiology Reviews*, **2013**, 37, 23-43	15.1	229
202	Chromera velia is endosymbiotic in larvae of the reef corals Acropora digitifera and A. tenuis. *Protist*, **2013**, 164, 237-44	2.5	48
201	Deep sequencing of non-ribosomal peptide synthetases and polyketide synthases from the microbiomes of Australian marine sponges. *ISME Journal*, **2013**, 7, 1842-51	11.9	43
200	Neurotoxic Alkaloids from Cyanobacteria **2013**, 39-83		5
199	Recent advances in the heterologous expression of microbial natural product biosynthetic pathways. *Natural Product Reports*, **2013**, 30, 1121-38	15.1	156
198	Cyanotoxins **2013**, 257-268		1
197	Molecular and cellular characterisation of the zinc uptake (Znu) system of Nostoc punctiforme. *FEMS Microbiology Ecology*, **2013**, 86, 149-71	4.3	9
196	Gliotoxicity of the cyanotoxin, methyl-amino-L-alanine (BMAA). *Scientific Reports*, **2013**, 3, 1482	4.9	50
195	Cost-effectiveness analysis of risk-factor guided and birth-cohort screening for chronic hepatitis C infection in the United States. *PLoS ONE*, **2013**, 8, e58975	3.7	55
194	Diversity and biosynthetic potential of culturable microbes associated with toxic marine animals. *Marine Drugs*, **2013**, 11, 2695-712	6	22
193	Alternariol 9-O-methyl ether dimethyl sulfoxide monosolvate. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o872-3		3
192	Polyphasic evaluation of Limnoraphis robusta, a water-bloom forming cyanobacterium from Lake Atitl, Guatemala, with a description of Limnoraphis gen. nov.. *Fottea*, **2013**, 13, 39-52	1.6	48
191	Community composition, toxigenicity, and environmental conditions during a cyanobacterial bloom occurring along 1,100 kilometers of the Murray River. *Applied and Environmental Microbiology*, **2012**, 78, 263-72	4.8	61

190	Bioactive natural products from Papua New Guinea marine sponges. *Chemistry and Biodiversity*, **2012**, 9, 2077-95	2.5	17
189	Physiological metal uptake by Nostoc punctiforme. *BioMetals*, **2012**, 25, 893-903	3.4	21
188	Mutations in UVSSA cause UV-sensitive syndrome and destabilize ERCC6 in transcription-coupled DNA repair. *Nature Genetics*, **2012**, 44, 593-7	36.3	123
187	Increased incidence of Cylindrospermopsis raciborskii in temperate zones--is climate change responsible?. *Water Research*, **2012**, 46, 1408-19	12.5	142
186	A multiplex qPCR targeting hepato- and neurotoxigenic cyanobacteria of global significance. *Harmful Algae*, **2012**, 15, 19-25	5.3	60
185	A reinvestigation of saxitoxin production and sxtA in the □on-toxic□Alexandrium tamarense Group V clade. *Harmful Algae*, **2012**, 18, 96-104	5.3	33
184	T-RFLP Fingerprinting Analysis of Bacterial Communities in Debris Cones, Northern Victoria Land, Antarctica. *Permafrost and Periglacial Processes*, **2012**, 23, 244-248	4.2	1
183	Excitotoxic potential of the cyanotoxin □methyl-amino-L-alanine (BMAA) in primary human neurons. *Toxicon*, **2012**, 60, 1159-65	2.8	64
182	Nodularin, a cyanobacterial toxin, is synthesized in planta by symbiotic Nostoc sp. *ISME Journal*, **2012**, 6, 1834-47	11.9	60
181	Investigation of the biosynthetic potential of endophytes in traditional Chinese anticancer herbs. *PLoS ONE*, **2012**, 7, e35953	3.7	54
180	Genetic diversity, morphological uniformity and polyketide production in dinoflagellates (Amphidinium, Dinoflagellata). *PLoS ONE*, **2012**, 7, e38253	3.7	56
179	Culturable endophytes of medicinal plants and the genetic basis for their bioactivity. *Microbial Ecology*, **2012**, 64, 431-49	4.4	50
178	Endolithic phototrophs in built and natural stone. *Current Microbiology*, **2012**, 65, 183-8	2.4	26
177	Comparative analysis of cyanobacteria in the rhizosphere and as endosymbionts of cycads in drought-affected soils. *FEMS Microbiology Ecology*, **2012**, 80, 204-15	4.3	19
176	Identification of two residues essential for the stringent substrate specificity and active site stability of the prokaryotic l-arginine:glycine amidinotransferase CyrA. *FEBS Journal*, **2012**, 279, 805-15	5.7	10
175	Genome sequence of the halophilic archaeon Halococcus hamelinensis. *Journal of Bacteriology*, **2012**, 194, 2100-1	3.5	12
174	Alternariol 9-O-methyl ether. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1471		6
173	A new quantitative PCR assay for the detection of hepatotoxigenic cyanobacteria. *Toxicon*, **2011**, 57, 546-54	2.8	44

172	On the origins and biosynthesis of tetrodotoxin. *Aquatic Toxicology*, **2011**, 104, 61-72	5.1	152
171	sxtA-based quantitative molecular assay to identify saxitoxin-producing harmful algal blooms in marine waters. *Applied and Environmental Microbiology*, **2011**, 77, 7050-7	4.8	86
170	How accurately can we detect Mycobacterium avium subsp. paratuberculosis infection?. *Journal of Microbiological Methods*, **2011**, 85, 1-8	2.8	40
169	Does β-amino-N-methylaminopropionic acid (BMAA) play a role in neurodegeneration?. *International Journal of Environmental Research and Public Health*, **2011**, 8, 3728-46	4.6	68
168	Discovery of nuclear-encoded genes for the neurotoxin saxitoxin in dinoflagellates. *PLoS ONE*, **2011**, 6, e20096	3.7	142
167	Iron uptake and toxin synthesis in the bloom-forming Microcystis aeruginosa under iron limitation. *Environmental Microbiology*, **2011**, 13, 1064-77	5.2	104
166	Vitamin B12 biosynthesis gene diversity in the Ross Sea: the identification of a new group of putative polar B12 biosynthesizers. *Environmental Microbiology*, **2011**, 13, 1285-98	5.2	37
165	Osmoadaptive strategies of the archaeon Halococcus hamelinensis isolated from a hypersaline stromatolite environment. *Astrobiology*, **2011**, 11, 529-36	3.7	36
164	DNA restriction-modification systems in the ethanologen, Zymomonas mobilis ZM4. *Applied Microbiology and Biotechnology*, **2011**, 89, 761-9	5.7	35
163	Comparative protein expression in different strains of the bloom-forming cyanobacterium Microcystis aeruginosa. *Molecular and Cellular Proteomics*, **2011**, 10, M110.003749	7.6	48
162	Extraordinary conservation, gene loss, and positive selection in the evolution of an ancient neurotoxin. *Molecular Biology and Evolution*, **2011**, 28, 1173-82	8.3	93
161	Molecular assessment of UVC radiation-induced DNA damage repair in the stromatolitic halophilic archaeon, Halococcus hamelinensis. *Journal of Photochemistry and Photobiology B: Biology*, **2011**, 102, 140-5	6.7	16
160	Detection, isolation, and characterization of helicobacter species from the gastrointestinal tract of the brushtail possum. *Applied and Environmental Microbiology*, **2011**, 77, 1581-7	4.8	10
159	Assessment of salinity-induced photorespiratory glycolate metabolism in Anabaena sp. PCC 7120. *Microbiology (United Kingdom)*, **2011**, 157, 911-917	2.9	20
158	A putative gene cluster from a Lyngbya wollei bloom that encodes paralytic shellfish toxin biosynthesis. *PLoS ONE*, **2011**, 6, e14657	3.7	74
157	Molecular Classification of Commercial Spirulina Strains and Identification of Their Sulfolipid Biosynthesis Genes. *Journal of Microbiology and Biotechnology*, **2011**, 21, 359-365	3.3	6
156	A novel prokaryotic L-arginine:glycine amidinotransferase is involved in cylindrospermopsin biosynthesis. *FEBS Journal*, **2010**, 277, 3844-60	5.7	52
155	NtcA from Microcystis aeruginosa PCC 7806 is autoregulatory and binds to the microcystin promoter. *Applied and Environmental Microbiology*, **2010**, 76, 4362-8	4.8	61

154	Cyanobacterial Mats of the Meltwater Ponds on the McMurdo Ice Shelf (Antarctica). *Cellular Origin and Life in Extreme Habitats*, **2010**, 499-514		4
153	On the chemistry, toxicology and genetics of the cyanobacterial toxins, microcystin, nodularin, saxitoxin and cylindrospermopsin. *Marine Drugs*, **2010**, 8, 1650-80	6	405
152	Biosynthesis of toxic naturally-occurring seafood contaminants. *Toxicon*, **2010**, 56, 244-58	2.8	58
151	Detection of saxitoxin-producing cyanobacteria and Anabaena circinalis in environmental water blooms by quantitative PCR. *Applied and Environmental Microbiology*, **2010**, 76, 7836-42	4.8	79
150	Lipid biomarkers in Hamelin Pool microbial mats and stromatolites. *Organic Geochemistry*, **2010**, 41, 1207-1218	3.1	51
149	Neurotoxic alkaloids: saxitoxin and its analogs. *Marine Drugs*, **2010**, 8, 2185-211	6	485
148	NifH gene diversity and expression in a microbial mat community on the McMurdo Ice Shelf, Antarctica. *Antarctic Science*, **2010**, 22, 117-122	1.7	21
147	Host selection of symbiotic cyanobacteria in 31 species of the Australian cycad genus: Macrozamia (Zamiaceae). *Molecular Plant-Microbe Interactions*, **2010**, 23, 811-22	3.6	36
146	A red-shifted chlorophyll. *Science*, **2010**, 329, 1318-9	33.3	360
145	Identification and regulation of novel compatible solutes from hypersaline stromatolite-associated cyanobacteria. *Archives of Microbiology*, **2010**, 192, 1031-8	3	22
144	Endophytes and the microbial genetics of traditional medicines. *Microbiology Australia*, **2010**, 31, 60	0.8	2
143	Genomic Contributions to Understanding the Evolution of Red Algal Plastids and Pigment Biosynthesis. *Cellular Origin and Life in Extreme Habitats*, **2010**, 261-273		
142	Characteristics of a Microcystin-Degrading Bacterium under Alkaline Environmental Conditions. *Journal of Toxicology*, **2009**, 2009, 954291	3.1	43
141	The Synechocystis sp. PCC6803 Sfp-type phosphopantetheinyl transferase does not possess characteristic broad-range activity. *ChemBioChem*, **2009**, 10, 1869-77	3.8	17
140	DNA profiling of complex bacterial populations: toxic cyanobacterial blooms. *Applied Microbiology and Biotechnology*, **2009**, 85, 237-52	5.7	15
139	Characterisation of the paralytic shellfish toxin biosynthesis gene clusters in Anabaena circinalis AWQC131C and Aphanizomenon sp. NH-5. *BMC Biochemistry*, **2009**, 10, 8	4.8	118
138	Determining the specific microbial populations and their spatial distribution within the stromatolite ecosystem of Shark Bay. *ISME Journal*, **2009**, 3, 383-96	11.9	95
137	Bacterial, archaeal and eukaryotic diversity of smooth and pustular microbial mat communities in the hypersaline lagoon of Shark Bay. *Geobiology*, **2009**, 7, 82-96	4.3	125

136	Differential accumulation of paralytic shellfish toxins from Alexandrium minutum in the pearl oyster, Pinctada imbricata. *Toxicon*, **2009**, 54, 217-23	2.8	21
135	Lipid biomarker analysis of cyanobacteria-dominated microbial mats in meltwater ponds on the McMurdo Ice Shelf, Antarctica. *Organic Geochemistry*, **2009**, 40, 258-269	3.1	42
134	Modern analogues and the early history of microbial life. *Precambrian Research*, **2009**, 173, 10-18	3.9	31
133	Mining cyanobacterial genomes for genes encoding complex biosynthetic pathways. *Natural Product Reports*, **2009**, 26, 1447-65	15.1	51
132	Molecular characterization and the effect of salinity on cyanobacterial diversity in the rice fields of Eastern Uttar Pradesh, India. *Saline Systems*, **2009**, 5, 4		33
131	Global protein-level responses of Halobacterium salinarum NRC-1 to prolonged changes in external sodium chloride concentrations. *Journal of Proteome Research*, **2009**, 8, 2218-25	5.6	37
130	Microbial Communities of Stromatolites. *Cellular Origin and Life in Extreme Habitats*, **2009**, 143-158		
129	The molecular genetics and regulation of cyanobacterial peptide hepatotoxin biosynthesis. *Critical Reviews in Toxicology*, **2008**, 38, 847-56	5.7	24
128	Novel homologs of the multiple resistance regulator marA in antibiotic-contaminated environments. *Water Research*, **2008**, 42, 4271-80	12.5	45
127	The genetics and genomics of cyanobacterial toxicity. *Advances in Experimental Medicine and Biology*, **2008**, 619, 417-52	3.6	20
126	Heterologous expression of the alcohol dehydrogenase (adhI) gene from Geobacillus thermoglucosidasius strain M10EXG. *Journal of Biotechnology*, **2008**, 135, 127-33	3.7	6
125	Biosynthetic intermediate analysis and functional homology reveal a saxitoxin gene cluster in cyanobacteria. *Applied and Environmental Microbiology*, **2008**, 74, 4044-53	4.8	260
124	Cyclooxygenase-2-linked attenuation of hypoxia-induced pulmonary hypertension and intravascular thrombosis. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 326, 51-8	4.7	29
123	Characterization of the gene cluster responsible for cylindrospermopsin biosynthesis. *Applied and Environmental Microbiology*, **2008**, 74, 716-22	4.8	218
122	Haloferax elongans sp. nov. and Haloferax mucosum sp. nov., isolated from microbial mats from Hamelin Pool, Shark Bay, Australia. *International Journal of Systematic and Evolutionary Microbiology* , **2008**, 58, 798-802	2.2	33
121	Session 18. Functional Complexity of Modern Stromatolites and Microbial Mats. *Astrobiology*, **2008**, 8, 378-383	3.7	
120	Development of Taxol and other endophyte produced anti-cancer agents. *Recent Patents on Anti-Cancer Drug Discovery*, **2008**, 3, 14-9	2.6	44
119	Identification of a saxitoxin biosynthesis gene with a history of frequent horizontal gene transfers. *Journal of Molecular Evolution*, **2008**, 67, 526-38	3.1	72

118	Lysis efficiency of standard DNA extraction methods for Halococcus spp. in an organic rich environment. *Extremophiles*, **2008**, 12, 301-8	3	38
117	The molecular genetics of cyanobacterial toxicity as a basis for monitoring water quality and public health risk. *Current Opinion in Biotechnology*, **2008**, 19, 281-8	11.4	85
116	Carotenoid analysis of halophilic archaea by resonance Raman spectroscopy. *Astrobiology*, **2007**, 7, 631-43	3.7	111
115	Host specificity and phylogeography of the prochlorophyte Prochloron sp., an obligate symbiont in didemnid ascidians. *Environmental Microbiology*, **2007**, 9, 890-9	5.2	46
114	BIOCHEMICAL CHARACTERIZATION OF PARALYTIC SHELLFISH TOXIN BIOSYNTHESIS IN VITRO1. *Journal of Phycology*, **2007**, 43, 497-508	3	59
113	Pseudovibrio denitrificans strain Z143-1, a heptylprodigiosin-producing bacterium isolated from a Philippine tunicate. *FEMS Microbiology Letters*, **2007**, 277, 188-96	2.9	42
112	Analysis of intergenic spacer region length polymorphisms to investigate the halophilic archaeal diversity of stromatolites and microbial mats. *Extremophiles*, **2007**, 11, 203-10	3	37
111	Characterization of the 2-hydroxy-acid dehydrogenase McyI, encoded within the microcystin biosynthesis gene cluster of Microcystis aeruginosa PCC7806. *Journal of Biological Chemistry*, **2007**, 282, 4681-4692	5.4	23
110	Functional analysis of PilT from the toxic cyanobacterium Microcystis aeruginosa PCC 7806. *Journal of Bacteriology*, **2007**, 189, 1689-97	3.5	18
109	Characterization of PPTNs, a cyanobacterial phosphopantetheinyl transferase from Nodularia spumigena NSOR10. *Journal of Bacteriology*, **2007**, 189, 3133-9	3.5	21
108	Benthic cyanobacteria (Oscillatoriaceae) that produce microcystin-LR, isolated from four reservoirs in southern California. *Water Research*, **2007**, 41, 492-8	12.5	98
107	Stromatolites as a resource for novel natural products. *Origins of Life and Evolution of Biospheres*, **2006**, 36, 623-4	1.5	
106	Functional modeling and phylogenetic distribution of putative cylindrospermopsin biosynthesis enzymes. *Journal of Molecular Evolution*, **2006**, 62, 267-80	3.1	74
105	Molecular identification and evolution of the cyclic peptide hepatotoxins, microcystin and nodularin, synthetase genes in three orders of cyanobacteria. *Archives of Microbiology*, **2006**, 185, 107-14	3	136
104	Endolithic Phototrophs from an Active Geothermal Region in New Zealand. *Geomicrobiology Journal*, **2006**, 23, 579-587	2.5	15
103	Elevation of myeloperoxidase in conjunction with cardiac-specific markers after marathon running. *American Journal of Clinical Pathology*, **2006**, 126, 888-93	1.9	28
102	The phosphopantetheinyl transferase superfamily: phylogenetic analysis and functional implications in cyanobacteria. *Applied and Environmental Microbiology*, **2006**, 72, 2298-305	4.8	58
101	Phenotype-based identification of host genes required for replication of African swine fever virus. *Journal of Virology*, **2006**, 80, 8705-17	6.6	19

100	The competence gene, comF, from Synechocystis sp. strain PCC 6803 is involved in natural transformation, phototactic motility and piliation. *Microbiology (United Kingdom)*, **2006**, 152, 3623-3631	2.9	35
99	Localization of symbiotic cyanobacteria in the colonial ascidian Tridemnum miniatum (Didemnidae, Ascidiacea). *Zoological Science*, **2006**, 23, 435-42	0.8	27
98	Halococcus hamelinensis sp. nov., a novel halophilic archaeon isolated from stromatolites in Shark Bay, Australia. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1323-1329	2.2	64
97	Comparative gene expression of PSP-toxin producing and non-toxic Anabaena circinalis strains. *Environment International*, **2006**, 32, 743-8	12.9	14
96	Characterization of microcystin production in an Antarctic cyanobacterial mat community. *Toxicon*, **2006**, 47, 271-8	2.8	46
95	The FeL model of iron acquisition: Nondissociative reduction of ferric complexes in the marine environment. *Limnology and Oceanography*, **2006**, 51, 1744-1754	4.8	49
94	Structural analysis of an extracellular polysaccharide produced by a benzene tolerant bacterium, Rhodococcus sp. 33. *Carbohydrate Research*, **2006**, 341, 616-23	2.9	19
93	Deteriogenic cyanobacteria on historic buildings in Brazil detected by culture and molecular techniques. *International Biodeterioration and Biodegradation*, **2006**, 57, 239-243	4.8	26
92	Multiple origins of the ascidian-Prochloron symbiosis: molecular phylogeny of photosymbiotic and non-symbiotic colonial ascidians inferred from 18S rDNA sequences. *Molecular Phylogenetics and Evolution*, **2006**, 40, 8-19	4.1	55
91	Isolation and characterization of two novel ethanol-tolerant facultative-anaerobic thermophilic bacteria strains from waste compost. *Extremophiles*, **2006**, 10, 363-72	3	42
90	Use of superoxide as an electron shuttle for iron acquisition by the marine cyanobacterium Lyngbya majuscula. *Environmental Science & Technology*, **2005**, 39, 3708-15	10.3	119
89	Characterization of nitrogen-fixing cyanobacteria in the Brazilian Amazon floodplain. *Water Research*, **2005**, 39, 5017-26	12.5	44
88	Detection of microcystin synthetase genes in health food supplements containing the freshwater cyanobacterium Aphanizomenon flos-aquae. *Toxicon*, **2005**, 46, 555-62	2.8	51
87	Investigations into the taxonomy, toxicity and ecology of benthic cyanobacterial accumulations in Myall Lake, Australia. *Marine and Freshwater Research*, **2005**, 56, 45	2.2	30
86	Genetic potential for secondary metabolite production in stromatolite communities. *FEMS Microbiology Letters*, **2005**, 243, 293-301	2.9	29
85	Diversity within cyanobacterial mat communities in variable salinity meltwater ponds of McMurdo Ice Shelf, Antarctica. *Environmental Microbiology*, **2005**, 7, 519-29	5.2	206
84	A review of analytical methods for assessing the public health risk from microcystin in the aquatic environment **2005**, 54, 509-518		33
83	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	2.2	120

82	Genetic variation of the bloom-forming Cyanobacterium Microcystis aeruginosa within and among lakes: implications for harmful algal blooms. *Applied and Environmental Microbiology*, **2005**, 71, 6126-33	4.8	107
81	Cyanobacteria from Brazilian building walls are distant relatives of aquatic genera. *OMICS A Journal of Integrative Biology*, **2005**, 9, 30-42	3.8	12
80	Identification of pilus-like structures and genes in Microcystis aeruginosa PCC7806. *Applied and Environmental Microbiology*, **2005**, 71, 7621-5	4.8	13
79	PCR-based positive hybridization to detect genomic diversity associated with bacterial secondary metabolism. *Nucleic Acids Research*, **2004**, 32, e7	20.1	17
78	Description of 'Candidatus Helicobacter heilmannii' based on DNA sequence analysis of 16S rRNA and urease genes. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 2203-2211	2.2	110
77	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, 6370-8	4.8	130
76	Interactions between intracellular Na+ levels and saxitoxin production in Cylindrospermopsis raciborskii T3. *Microbiology (United Kingdom)*, **2004**, 150, 455-461	2.9	54
75	Cyanobacterial protease inhibitor microviridin J causes a lethal molting disruption in Daphnia pulicaria. *Applied and Environmental Microbiology*, **2004**, 70, 5047-50	4.8	102
74	Identification of an Na(+)-dependent transporter associated with saxitoxin-producing strains of the cyanobacterium Anabaena circinalis. *Applied and Environmental Microbiology*, **2004**, 70, 4711-9	4.8	29
73	Characterization of the nodularin synthetase gene cluster and proposed theory of the evolution of cyanobacterial hepatotoxins. *Applied and Environmental Microbiology*, **2004**, 70, 6353-62	4.8	192
72	Molecular identification and characterization of three isoforms of tachykinin NK(1)-like receptors in the cane toad Bufo marinus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2004**, 287, R575-85	3.2	10
71	Microbial diversity of extant stromatolites in the hypersaline marine environment of Shark Bay, Australia. *Environmental Microbiology*, **2004**, 6, 1096-101	5.2	182
70	Cereulide, the emetic toxin of Bacillus cereus, is putatively a product of nonribosomal peptide synthesis. *Journal of Applied Microbiology*, **2004**, 97, 992-1000	4.7	44
69	Use of Ion-Channel Modulating Agents to Study Cyanobacterial Na(+) - K(+) Fluxes. *Biological Procedures Online*, **2004**, 6, 137-143	8.3	8
68	Effects of synthetic local anaesthetics on the growth of the cyanobacterium Synechococcus leopoliensis. *Journal of Applied Phycology*, **2004**, 16, 145-152	3.2	9
67	Algicide production by the filamentous cyanobacteriumFischerellasp. CENA 19. *Journal of Applied Phycology*, **2004**, 16, 237-243	3.2	38
66	Insertion of an E. coli lacZ gene in Acetobacter xylinus for the production of cellulose in whey. *FEMS Microbiology Letters*, **2004**, 231, 253-60	2.9	33
65	Polyphasic detection of cyanobacteria in terrestrial biofilms. *Biofouling*, **2004**, 20, 71-9	3.3	25

64	Molecular detection of genes responsible for cyanobacterial toxin production in the genera Microcystis, Nodularia, and Cylindrospermopsis. *Methods in Molecular Biology*, **2004**, 268, 213-22	1.4	7
63	An investigation into the detoxification of microcystin-LR by the glutathione pathway in Balb/c mice. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 931-41	5.6	106
62	Evidence for differences in the metabolism of saxitoxin and C1+2 toxins in the freshwater cyanobacterium Cylindrospermopsis raciborskii T3. *Biochimica Et Biophysica Acta - General Subjects*, **2004**, 1674, 60-7	4	19
61	Effects of erythromycin, tetracycline and ibuprofen on the growth of Synechocystis sp. and Lemna minor. *Aquatic Toxicology*, **2004**, 67, 387-96	5.1	203
60	Phylogeography of the invasive cyanobacterium Cylindrospermopsis raciborskii. *Molecular Ecology*, **2003**, 12, 133-40	5.7	114
59	Isolation, characterization, and quantitative analysis of Microviridin J, a new Microcystis metabolite toxic to Daphnia. *Journal of Chemical Ecology*, **2003**, 29, 1757-70	2.7	105
58	Screening, identification and kinetic characterization of a bacterium for Mn(II) uptake and oxidation. *Biotechnology Letters*, **2003**, 25, 1407-13	3	6
57	Evolutionary affiliations within the superfamily of ketosynthases reflect complex pathway associations. *Journal of Molecular Evolution*, **2003**, 56, 446-57	3.1	74
56	Demonstration of the use of Scenedesmus and Carteria biomass to drive bacterial sulfate reduction by Desulfovibrio alcoholovorans isolated from an artificial wetland. *Hydrometallurgy*, **2003**, 71, 227-234	4	21
55	Detection and sequencing of the microcystin LR-degrading gene, mlrA, from new bacteria isolated from Japanese lakes. *FEMS Microbiology Letters*, **2003**, 229, 271-6	2.9	118
54	ENHANCEMENT OF INTRACELLULAR SAXITOXIN ACCUMULATION BY LIDOCAINE HYDROCHLORIDE IN THE CYANOBACTERIUM CYLINDROSPERMOPSIS RACIBORSKII T3 (NOSTOCALES)1. *Journal of Phycology*, **2003**, 39, 535-542	3	30
53	First report and toxicological assessment of the cyanobacterium Cylindrospermopsis raciborskii from Portuguese freshwaters. *Ecotoxicology and Environmental Safety*, **2003**, 55, 243-50	7	116
52	Effects of saxitoxin (STX) and veratridine on bacterial Na+ -K+ fluxes: a prokaryote-based STX bioassay. *Applied and Environmental Microbiology*, **2003**, 69, 7371-6	4.8	29
51	Gene expression profiling of Helicobacter pylori reveals a growth-phase-dependent switch in virulence gene expression. *Infection and Immunity*, **2003**, 71, 2643-55	3.7	117
50	Monitoring changing toxigenicity of a cyanobacterial bloom by molecular methods. *Applied and Environmental Microbiology*, **2002**, 68, 6070-6	4.8	77
49	Multiple alternate transcripts direct the biosynthesis of microcystin, a cyanobacterial nonribosomal peptide. *Applied and Environmental Microbiology*, **2002**, 68, 449-55	4.8	106
48	Enzyme-free cloning of PCR products and fusion protein expression. *Methods in Molecular Biology*, **2002**, 192, 125-32	1.4	6
47	Genetic characterization of Cylindrospermopsis raciborskii (cyanobacteria) isolates from diverse geographic origins based on nifH and cpcBA-IGS nucleotide sequence analysis. *Applied and Environmental Microbiology*, **2002**, 68, 2567-71	4.8	76

46	Molecular identification of cyanobacteria associated with stromatolites from distinct geographical locations. *Astrobiology*, **2002**, 2, 271-80	3.7	52
45	Absence of detectable levels of the cyanobacterial toxin (microcystin-LR) carry-over into milk. *Toxicon*, **2002**, 40, 1173-180	2.8	6
44	The molecular evolution and DNA profiling of toxic cyanobacteria. *Current Issues in Molecular Biology*, **2002**, 4, 1-11	2.9	16
43	A spontaneous mutant of microcystin biosynthesis: genetic characterization and effect on Daphnia. *Environmental Microbiology*, **2001**, 3, 669-79	5.2	82
42	Identification of cyanobacteria and their toxigenicity in environmental samples by rapid molecular analysis. *Environmental Toxicology*, **2001**, 16, 472-482	4.2	48
41	Identification of genes implicated in toxin production in the cyanobacterium Cylindrospermopsis raciborskii. *Environmental Toxicology*, **2001**, 16, 413-21	4.2	219
40	On the presence of peptide synthetase and polyketide synthase genes in the cyanobacterial genus Nodularia. *FEMS Microbiology Letters*, **2001**, 196, 207-14	2.9	83
39	Ecological and molecular investigations of cyanotoxin production. *FEMS Microbiology Ecology*, **2001**, 35, 1-9	4.3	195
38	Varied diazotrophies, morphologies, and toxicities of genetically similar isolates of Cylindrospermopsis raciborskii (nostocales, cyanophyceae) from Northern Australia. *Applied and Environmental Microbiology*, **2001**, 67, 1839-45	4.8	143
37	rRNA sequences reflect the ecophysiology and define the toxic cyanobacteria of the genus Nodularia. *International Journal of Systematic and Evolutionary Microbiology*, **2001**, 51, 505-512	2.2	47
36	Altered expression of two light-dependent genes in a microcystin-lacking mutant of Microcystis aeruginosa PCC 7806. *Microbiology (United Kingdom)*, **2001**, 147, 3113-9	2.9	90
35	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, 2810-8	4.8	205
34	Radioreceptor assays for sensitive detection and quantitation of saxitoxin and its analogues from strains of the freshwater cyanobacterium, Anabaena circinalis. *Environmental Science & Technology*, **2001**, 35, 1445-51	10.3	47
33	Xanthogenate nucleic acid isolation from cultured and environmental cyanobacteria. *Journal of Phycology*, **2000**, 36, 251-258	3	264
32	THE FRESHWATER CYANOBACTERIUM PLANKTOTHRIX SP. FP1: MOLECULAR IDENTIFICATION AND DETECTION OF PARALYTIC SHELLFISH POISONING TOXINS. *Journal of Phycology*, **2000**, 36, 553-562	3	96
31	Structural organization of microcystin biosynthesis in Microcystis aeruginosa PCC7806: an integrated peptide-polyketide synthetase system. *Chemistry and Biology*, **2000**, 7, 753-64		671
30	The expansion of mechanistic and organismic diversity associated with non-ribosomal peptides. *FEMS Microbiology Letters*, **2000**, 191, 159-67	2.9	40
29	Optimized rapid amplification of cDNA ends (RACE) for mapping bacterial mRNA transcripts. *BioTechniques*, **2000**, 28, 448, 450, 452-3, 456	2.5	52

28	Geographical segregation of the neurotoxin-producing cyanobacterium Anabaena circinalis. *Applied and Environmental Microbiology*, **2000**, 66, 4468-74	4.8	93
27	Light and the transcriptional response of the microcystin biosynthesis gene cluster. *Applied and Environmental Microbiology*, **2000**, 66, 3387-92	4.8	290
26	The Helicobacter pylori pyrB gene encoding aspartate carbamoyltransferase is essential for bacterial survival. *Archives of Biochemistry and Biophysics*, **2000**, 380, 78-84	4.1	10
25	An immortalized myocyte cell line, HL-1, expresses a functional delta -opioid receptor. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 2187-93	5.8	10
24	Non-ribosomal peptide antibiotics. *Expert Opinion on Therapeutic Patents*, **2000**, 10, 1583-1591	6.8	15
23	n-butanol purification of dye terminator sequencing reactions. *BioTechniques*, **1999**, 26, 606-8, 610	2.5	12
22	Enzyme-free cloning: a rapid method to clone PCR products independent of vector restriction enzyme sites. *Nucleic Acids Research*, **1999**, 27, e26	20.1	91
21	TWO MORPHOLOGICAL FORMS OF CYLINDROSPERMOPSIS RACIBORSKII (CYANOBACTERIA) ISOLATED FROM SOLOMON DAM, PALM ISLAND, QUEENSLAND. *Journal of Phycology*, **1999**, 35, 599-606	3	90
20	An improved method for the purification of large DNA fragments from agarose gels using Wizard Plus SV columns. *Analytical Biochemistry*, **1999**, 269, 218-9	3.1	3
19	Nonribosomal peptide synthesis and toxigenicity of cyanobacteria. *Journal of Bacteriology*, **1999**, 181, 4089-97	3.5	205
18	A novel method of extracting plasmid DNA from Helicobacter species. *Helicobacter*, **1998**, 3, 269-77	4.9	14
17	Characterization, Differentiation and Identification of Wild-type Cellulose-synthesizing Acetobacter strains Involved in Nata de Coco Production. *Systematic and Applied Microbiology*, **1998**, 21, 599-608	4.2	25
16	Pseudoalteromonas tunicata sp. nov., a bacterium that produces antifouling agents. *International Journal of Systematic Bacteriology*, **1998**, 48 Pt 4, 1205-12		144
15	Small-scale preparation of the single-copy bacterial artificial chromosome vector pBeloBAC11. *BioTechniques*, **1998**, 24, 568-70, 572	2.5	9
14	rRNA sequences and evolutionary relationships among toxic and nontoxic cyanobacteria of the genus Microcystis. *International Journal of Systematic Bacteriology*, **1997**, 47, 693-7		378
13	A Rhodococcus species that thrives on medium saturated with liquid benzene. *Microbiology (United Kingdom)*, **1997**, 143 (Pt 9), 2975-2981	2.9	83
12	A universal procedure for primer labelling of amplicons. *Nucleic Acids Research*, **1997**, 25, 2938-9	20.1	42
11	Specific Amplification and Restriction Polymorphisms of the Cyanobacterial rRNA Operon Spacer Region. *Systematic and Applied Microbiology*, **1997**, 20, 612-621	4.2	41

10	Insertional mutagenesis of a peptide synthetase gene that is responsible for hepatotoxin production in the cyanobacterium Microcystis aeruginosa PCC 7806. *Molecular Microbiology*, **1997**, 26, 779-87	4.1	312
9	Improved methods for in situ enzymatic amplification and detection of low copy number genes in bacteria. *FEMS Microbiology Letters*, **1997**, 152, 65-73	2.9	17
8	GENETIC CHARACTERIZATION OF STRAINS OF CYANOBACTERIA USING PCR-RFLP OF THE cpcBA INTERGENIC SPACER AND FLANKING REGIONS1. *Journal of Phycology*, **1996**, 32, 445-451	3	54
7	Detection and identification of cyanobacteria associated with toxic blooms: DNA amplification protocols. *Phycologia*, **1996**, 35, 147-155	2.7	19
6	Sequence analyses of the reverse transcriptase region of HIV type 1 isolates from Sydney, Australia. *AIDS Research and Human Retroviruses*, **1996**, 12, 1731-2	1.6	4
5	Characterization of the V3 region of HIV-1 isolates from Sydney, Australia. *AIDS Research and Human Retroviruses*, **1995**, 11, 423-5	1.6	5
4	16S ribosomal RNA gene sequence and phylogeny of toxic Microcystis sp. (cyanobacteria). *DNA Sequence*, **1994**, 4, 333-7		15
3	Towards a molecular taxonomy for the bloom-forming cyanobacteria. *Marine and Freshwater Research*, **1994**, 45, 869	2.2	7
2	Direct PCR sequencing of dystrophin polymorphic CACA alleles after purification to remove shadow bands. *DNA and Cell Biology*, **1992**, 11, 637-40	3.6	5
1	A new species of cryptic cyanobacteria isolated from the epidermis of a bottlenose dolphin and as a bioaerosol. *Phycologia*,1-16	2.7	0