

Stephen Craig Cary

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

13,133
citations

20797

60
h-index

28275

105
g-index

184
all docs

184
docs citations

184
times ranked

13521
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	13.7	1,942
2	On the rocks: the microbiology of Antarctic Dry Valley soils. <i>Nature Reviews Microbiology</i> , 2010, 8, 129-138.	13.6	505
3	Some like it cold: understanding the survival strategies of psychrophiles. <i>EMBO Reports</i> , 2014, 15, 508-517.	2.0	501
4	Chemical speciation drives hydrothermal vent ecology. <i>Nature</i> , 2001, 410, 813-816.	13.7	337
5	The changing form of Antarctic biodiversity. <i>Nature</i> , 2015, 522, 431-438.	13.7	277
6	The Inter-Valley Soil Comparative Survey: the ecology of Dry Valley edaphic microbial communities. <i>ISME Journal</i> , 2012, 6, 1046-1057.	4.4	273
7	Bacterial Diversity in Three Different Antarctic Cold Desert Mineral Soils. <i>Microbial Ecology</i> , 2006, 51, 413-421.	1.4	216
8	Ancient origins determine global biogeography of hot and cold desert cyanobacteria. <i>Nature Communications</i> , 2011, 2, 163.	5.8	203
9	Enzymatic and Genetic Characterization of Carbon and Energy Metabolisms by Deep-Sea Hydrothermal Chemolithoautotrophic Isolates of Epsilonproteobacteria. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7310-7320.	1.4	182
10	Microbial community composition in soils of Northern Victoria Land, Antarctica. <i>Environmental Microbiology</i> , 2008, 10, 1713-1724.	1.8	182
11	Biotic interactions in Antarctic terrestrial ecosystems: Are they a factor?. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3035-3040.	4.2	167
12	Exploring biological constraints on the glacial history of Antarctica. <i>Quaternary Science Reviews</i> , 2009, 28, 3035-3048.	1.4	166
13	Microbial biogeography of 925 geothermal springs in New Zealand. <i>Nature Communications</i> , 2018, 9, 2876.	5.8	163
14	High Levels of Structural Diversity Observed in Microcystins from <i>Microcystis</i> CAWBG11 and Characterization of Six New Microcystin Congeners. <i>Marine Drugs</i> , 2014, 12, 5372-5395.	2.2	162
15	A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18.	0.5	158
16	Phylogenetic analysis of actinobacterial populations associated with Antarctic Dry Valley mineral soils. <i>Environmental Microbiology</i> , 2009, 11, 566-576.	1.8	154
17	Worms bask in extreme temperatures. <i>Nature</i> , 1998, 391, 545-546.	13.7	150
18	Abundance of Reverse Tricarboxylic Acid Cycle Genes in Free-Living Microorganisms at Deep-Sea Hydrothermal Vents. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6282-6289.	1.4	145

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19	Groundtruthing Next-Gen Sequencing for Microbial Ecology—Biases and Errors in Community Structure Estimates from PCR Amplicon Pyrosequencing. <i>PLoS ONE</i> , 2012, 7, e44224.	1.1	145
20	Sources of edaphic cyanobacterial diversity in the Dry Valleys of Eastern Antarctica. <i>ISME Journal</i> , 2008, 2, 308-320.	4.4	144
21	Growth and Phylogenetic Properties of Novel Bacteria Belonging to the Epsilon Subdivision of the Proteobacteria Enriched from <i>Alvinella pompejana</i> and Deep-Sea Hydrothermal Vents. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4566-4572.	1.4	137
22	Improved quantitative real-time PCR assays for enumeration of harmful algal species in field samples using an exogenous DNA reference standard. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 381-391.	1.0	130
23	Co-variation in soil biodiversity and biogeochemistry in northern and southern Victoria Land, Antarctica. <i>Antarctic Science</i> , 2006, 18, 535-548.	0.5	127
24	Adaptations to Submarine Hydrothermal Environments Exemplified by the Genome of <i>Nautilia profundicola</i> . <i>PLoS Genetics</i> , 2009, 5, e1000362.	1.5	126
25	Superoxide Dismutase from the Eukaryotic Thermophile <i>Alvinella pompejana</i> : Structures, Stability, Mechanism, and Insights into Amyotrophic Lateral Sclerosis. <i>Journal of Molecular Biology</i> , 2009, 385, 1534-1555.	2.0	126
26	High-Level Diversity of Tailed Phages, Eukaryote-Associated Viruses, and Virophage-Like Elements in the Metaviromes of Antarctic Soils. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6888-6897.	1.4	121
27	Evidence of Chemolithoautotrophy in the Bacterial Community Associated with <i>Alvinella pompejana</i> , a Hydrothermal Vent Polychaete. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5070-5078.	1.4	115
28	Airborne microbial transport limitation to isolated Antarctic soil habitats. <i>Nature Microbiology</i> , 2019, 4, 925-932.	5.9	114
29	Metagenome analysis of an extreme microbial symbiosis reveals eurythermal adaptation and metabolic flexibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17516-17521.	3.3	111
30	Lysogenic virus—host interactions predominate at deep-sea diffuse-flow hydrothermal vents. <i>ISME Journal</i> , 2008, 2, 1112-1121.	4.4	109
31	Assessing temporal and spatial variability in <i>Pfiesteria piscicida</i> distributions using molecular probing techniques. <i>Aquatic Microbial Ecology</i> , 2001, 24, 275-285.	0.9	106
32	Airborne Bacterial Populations Above Desert Soils of the McMurdo Dry Valleys, Antarctica. <i>Microbial Ecology</i> , 2014, 67, 120-128.	1.4	104
33	Endolithic microbial diversity in sandstone and granite from the McMurdo Dry Valleys, Antarctica. <i>Polar Biology</i> , 2017, 40, 997-1006.	0.5	99
34	Mixing, reaction and microbial activity in the sub-seafloor revealed by temporal and spatial variation in diffuse flow vents at axial volcano. <i>Geophysical Monograph Series</i> , 2004, , 269-289.	0.1	98
35	Microbial biodiversity of thermophilic communities in hot mineral soils of Tramway Ridge, Mount Erebus, Antarctica. <i>Environmental Microbiology</i> , 2009, 11, 715-728.	1.8	97
36	Diverse hypolithic refuge communities in the McMurdo Dry Valleys. <i>Antarctic Science</i> , 2010, 22, 714-720.	0.5	97

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37	Microbial essentials at hydrothermal vents. <i>Nature</i> , 2000, 404, 835-835.	13.7	96
38	Evidence for successional development in Antarctic hypolithic bacterial communities. <i>ISME Journal</i> , 2013, 7, 2080-2090.	4.4	93
39	Switching toxin production on and off: intermittent microcystin synthesis in a <i>Microcystis</i> bloom. <i>Environmental Microbiology Reports</i> , 2011, 3, 118-124.	1.0	91
40	Chemoautotrophic Symbiosis in a Hydrothermal Vent Gastropod. <i>Biological Bulletin</i> , 1988, 174, 373-378.	0.7	90
41	Identification of a Novel Alkaliphilic Esterase Active at Low Temperatures by Screening a Metagenomic Library from Antarctic Desert Soil. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4657-4659.	1.4	90
42	Abiotic factors influence microbial diversity in permanently cold soil horizons of a maritime-associated Antarctic Dry Valley. <i>FEMS Microbiology Ecology</i> , 2012, 82, 326-340.	1.3	85
43	Genetic Variation among Endosymbionts of Widely Distributed Vestimentiferan Tubeworms. <i>Applied and Environmental Microbiology</i> , 2000, 66, 651-658.	1.4	84
44	Diffuse flow hydrothermal fluids from 9° 50' N East Pacific Rise: Origin, evolution and biogeochemical controls. <i>Geophysical Monograph Series</i> , 2004, , 245-268.	0.1	83
45	Colonization of nascent, deep-sea hydrothermal vents by a novel Archaeal and Nanoarchaeal assemblage. <i>Environmental Microbiology</i> , 2006, 8, 114-125.	1.8	81
46	A bacterium that inhibits the growth of <i>Pfiesteria piscicida</i> and other dinoflagellates. <i>Harmful Algae</i> , 2005, 4, 221-234.	2.2	79
47	Molecular genetic tools for environmental monitoring of New Zealand's aquatic habitats, past, present and the future. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2013, 47, 90-119.	0.8	78
48	Widespread Distribution and Identification of Eight Novel Microcystins in Antarctic Cyanobacterial Mats. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7243-7251.	1.4	77
49	Characterization of Chasmoendolithic Community in Miers Valley, McMurdo Dry Valleys, Antarctica. <i>Microbial Ecology</i> , 2014, 68, 351-359.	1.4	77
50	Evidence of global-scale aeolian dispersal and endemism in isolated geothermal microbial communities of Antarctica. <i>Nature Communications</i> , 2014, 5, 3875.	5.8	76
51	Physicochemical characterization of the microhabitat of the epibionts associated with <i>Alvinella pompejana</i> , a hydrothermal vent annelid. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2055-2066.	1.6	72
52	Investigating Microbial Eukaryotic Diversity from a Global Census: Insights from a Comparison of Pyrotag and Full-Length Sequences of 18S rRNA Genes. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4363-4373.	1.4	70
53	The phylogeography of Adelie penguin faecal flora. <i>Environmental Microbiology</i> , 2009, 11, 577-588.	1.8	69
54	Hypolithic communities: important nitrogen sources in Antarctic desert soils. <i>Environmental Microbiology Reports</i> , 2011, 3, 581-586.	1.0	69

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55	Rapid microbial response to the presence of an ancient relic in the Antarctic Dry Valleys. <i>Nature Communications</i> , 2012, 3, 660.	5.8	69
56	Characterization of bacterial communities in lithobionts and soil niches from Victoria Valley, Antarctica. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw051.	1.3	69
57	Diversity of Dissimilatory Bisulfite Reductase Genes of Bacteria Associated with the Deep-Sea Hydrothermal Vent Polychaete Annelid <i>Alvinella pompejana</i> . <i>Applied and Environmental Microbiology</i> , 1999, 65, 1127-1132.	1.4	69
58	Habitat characterization and nutritional strategies of the endosymbiont-bearing bivalve <i>Lucinoma aequizonata</i> . <i>Marine Ecology - Progress Series</i> , 1989, 55, 31-45.	0.9	69
59	Microbial community composition of transiently wetted Antarctic Dry Valley soils. <i>Frontiers in Microbiology</i> , 2015, 6, 9.	1.5	67
60	Estimating Protistan Diversity Using High-Throughput Sequencing. <i>Journal of Eukaryotic Microbiology</i> , 2015, 62, 688-693.	0.8	66
61	Aerobiology Over Antarctica – A New Initiative for Atmospheric Ecology. <i>Frontiers in Microbiology</i> , 2016, 7, 16.	1.5	65
62	Using quantitative real-time PCR to study competition and community dynamics among Delaware Inland Bays harmful algae in field and laboratory studies. <i>Harmful Algae</i> , 2008, 7, 599-613.	2.2	63
63	Evaluating vertical migration behavior of harmful raphidophytes in the Delaware Inland Bays utilizing quantitative real-time PCR. <i>Aquatic Microbial Ecology</i> , 2005, 40, 121-132.	0.9	60
64	Distribution and abiotic influences on hypolithic microbial communities in an Antarctic Dry Valley. <i>Polar Biology</i> , 2011, 34, 307-311.	0.5	60
65	Resolving environmental drivers of microbial community structure in Antarctic soils. <i>Antarctic Science</i> , 2010, 22, 673-680.	0.5	59
66	Diverse and highly active diazotrophic assemblages inhabit ephemerally wetted soils of the Antarctic Dry Valleys. <i>FEMS Microbiology Ecology</i> , 2012, 82, 376-390.	1.3	59
67	Hypolithic microbial communities of quartz rocks from Miers Valley, McMurdo Dry Valleys, Antarctica. <i>Polar Biology</i> , 2011, 34, 1657-1668.	0.5	58
68	At Limits of Life: Multidisciplinary Insights Reveal Environmental Constraints on Biotic Diversity in Continental Antarctica. <i>PLoS ONE</i> , 2012, 7, e44578.	1.1	56
69	Demonstration of toxicity to fish and to mammalian cells by <i>Pfiesteria</i> species: Comparison of assay methods and strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3471-3476.	3.3	55
70	Application of an unmanned aerial vehicle in spatial mapping of terrestrial biology and human disturbance in the McMurdo Dry Valleys, East Antarctica. <i>Polar Biology</i> , 2015, 38, 573-578.	0.5	54
71	Characterization of a Novel Spirochete Associated with the Hydrothermal Vent Polychaete Annelid, <i>Alvinella pompejana</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 110-117.	1.4	53
72	<i>Nautilia profundicola</i> sp. nov., a thermophilic, sulfur-reducing epsilonproteobacterium from deep-sea hydrothermal vents. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1598-1602.	0.8	53

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73	Lipid biomarkers of deep-sea hydrothermal vent polychaetes "Alvinella pompejana, A. caudata, Paralvinella grasslei and Hesiolyra bergii. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 2333-2352.	0.6	52
74	Bacterial Symbiont Transmission in the Wood-Boring Shipworm <i>Bankia setacea</i> (Bivalvia: Teredinidae). Applied and Environmental Microbiology, 2000, 66, 1685-1691.	1.4	50
75	Lipid composition of deep-sea hydrothermal vent tubeworm <i>Riftia pachyptila</i> , crabs <i>Munidopsis subsquamosa</i> and <i>Bythograea thermydron</i> , mussels <i>Bathymodiolus</i> sp. and limpets <i>Lepetodrilus</i> spp.. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 141, 196-210.	0.7	50
76	Actinobacteria and Cyanobacteria Diversity in Terrestrial Antarctic Microenvironments Evaluated by Culture-Dependent and Independent Methods. Frontiers in Microbiology, 2019, 10, 1018.	1.5	50
77	Transport of the Harmful Bloom Alga <i>Aureococcus anophagefferens</i> by Oceangoing Ships and Coastal Boats. Applied and Environmental Microbiology, 2004, 70, 6495-6500.	1.4	49
78	Evidence of plant and animal communities at exposed and subglacial (cave) geothermal sites in Antarctica. Polar Biology, 2018, 41, 417-421.	0.5	48
79	Diverse metabolic and stress-tolerance pathways in chasmoendolithic and soil communities of Miers Valley, McMurdo Dry Valleys, Antarctica. Polar Biology, 2015, 38, 433-443.	0.5	46
80	Increasing <i>Microcystis</i> cell density enhances microcystin synthesis: a mesocosm study. Inland Waters, 2012, 2, 17-22.	1.1	45
81	Local and regional influences over soil microbial metacommunities in the Transantarctic Mountains. Ecosphere, 2013, 4, 1-24.	1.0	45
82	Response of marine bacterial community composition to iron additions in three iron-limited regimes. Limnology and Oceanography, 2001, 46, 1535-1545.	1.6	44
83	Increased Inter-Colony Fusion Rates Are Associated with Reduced COI Haplotype Diversity in an Invasive Colonial Ascidian <i>Didemnum vexillum</i> . PLoS ONE, 2012, 7, e30473.	1.1	44
84	Diffuse flow environments within basalt- and sediment-based hydrothermal vent ecosystems harbor specialized microbial communities. Frontiers in Microbiology, 2013, 4, 182.	1.5	44
85	Influence of soil properties on archaeal diversity and distribution in the McMurdo Dry Valleys, Antarctica. FEMS Microbiology Ecology, 2014, 89, 347-359.	1.3	44
86	The Distribution and Identity of Edaphic Fungi in the McMurdo Dry Valleys. Biology, 2014, 3, 466-483.	1.3	44
87	The use of quantitative polymerase chain reaction for the detection and enumeration of the harmful alga <i>Aureococcus anophagefferens</i> in environmental samples along the United States East Coast. Limnology and Oceanography: Methods, 2003, 1, 92-102.	1.0	43
88	First identification of tetrodotoxin (TTX) in the flatworm <i>Stylochoplana</i> sp.; a source of TTX for the sea slug <i>Pleurobranchaea maculata</i> . Toxicon, 2015, 95, 23-29.	0.8	43
89	Tetrodotoxin Concentrations in <i>Pleurobranchaea maculata</i> : Temporal, Spatial and Individual Variability from New Zealand Populations. Marine Drugs, 2012, 10, 163-176.	2.2	42
90	The ecology and diversity of microbial eukaryotes in geothermal springs. ISME Journal, 2018, 12, 1918-1928.	4.4	42

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91	Biotic interactions are an unexpected yet critical control on the complexity of an abiotically driven polar ecosystem. <i>Communications Biology</i> , 2019, 2, 62.	2.0	42
92	Simultaneous enumeration of multiple raphidophyte species by quantitative real-time PCR: capabilities and limitations. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 193-204.	1.0	41
93	Stochastic and Deterministic Effects of a Moisture Gradient on Soil Microbial Communities in the McMurdo Dry Valleys of Antarctica. <i>Frontiers in Microbiology</i> , 2018, 9, 2619.	1.5	41
94	Nitrate respiration in chemoautotrophic symbionts of the bivalve <i>Lucinoma aequizonata</i> . <i>Marine Ecology - Progress Series</i> , 1993, 94, 35-41.	0.9	40
95	The use of quantitative polymerase chain reaction for the detection and enumeration of the harmful alga <i>Aureococcus anophagefferens</i> in environmental samples along the United States East Coast. <i>Limnology and Oceanography: Methods</i> , 2011, 1, 92-102.	1.0	40
96	Hindcasting cyanobacterial communities in Lake Okaro with germination experiments and genetic analyses. <i>FEMS Microbiology Ecology</i> , 2009, 67, 252-260.	1.3	39
97	Geochemical energy sources that support the subsurface biosphere. <i>Geophysical Monograph Series</i> , 2004, , 153-165.	0.1	37
98	Further Characterization of Glycine-Containing Microcystins from the McMurdo Dry Valleys of Antarctica. <i>Toxins</i> , 2015, 7, 493-515.	1.5	37
99	Depuration of Tetrodotoxin and Changes in Bacterial Communities in <i>Pleurobranchaea maculata</i> Adults and Egg Masses Maintained in Captivity. <i>Journal of Chemical Ecology</i> , 2012, 38, 1342-1350.	0.9	36
100	Development and behavior of megalopa larvae and juveniles of the hydrothermal vent crab <i>Bythograea thermhydrion</i> . <i>Marine Ecology - Progress Series</i> , 1999, 185, 147-154.	0.9	36
101	The splicing factor U2AF65 is functionally conserved in the thermotolerant deep-sea worm <i>Alvinella pompejana</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1727, 197-207.	2.4	34
102	The ecological dichotomy of ammonia-oxidizing archaea and bacteria in the hyper-arid soils of the Antarctic Dry Valleys. <i>Frontiers in Microbiology</i> , 2014, 5, 515.	1.5	34
103	Nematodes in a polar desert reveal the relative role of biotic interactions in the coexistence of soil animals. <i>Communications Biology</i> , 2019, 2, 63.	2.0	34
104	Diversity and Distributional Patterns of Ciliates in Guaymas Basin Hydrothermal Vent Sediments. <i>Journal of Eukaryotic Microbiology</i> , 2013, 60, 433-447.	0.8	32
105	Investigating Diet as the Source of Tetrodotoxin in <i>Pleurobranchaea maculata</i> . <i>Marine Drugs</i> , 2014, 12, 1-16.	2.2	32
106	Bacterial Community Structures of Antarctic Soils. , 2014, , 9-33.		32
107	An instrument for collecting discrete large-volume water samples suitable for ecological studies of microorganisms. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1781-1792.	0.6	30
108	Dynamics of cell proliferation and apoptosis reflect different life strategies in hydrothermal vent and cold seep vestimentiferan tubeworms. <i>Cell and Tissue Research</i> , 2009, 337, 149-165.	1.5	30

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109	Genome sequence of temperate bacteriophage Psymv2 from Antarctic Dry Valley soil isolate Psychrobacter sp. MV2. <i>Extremophiles</i> , 2012, 16, 715-726.	0.9	30
110	The importance of sample archiving in microbial ecology. <i>Nature Reviews Microbiology</i> , 2014, 12, 789-790.	13.6	30
111	Eurythermalism and the temperature dependence of enzyme activity. <i>FASEB Journal</i> , 2007, 21, 1934-1941.	0.2	29
112	Benthic microbial communities of coastal terrestrial and ice shelf Antarctic meltwater ponds. <i>Frontiers in Microbiology</i> , 2015, 6, 485.	1.5	28
113	Intracellular Immunohistochemical Detection of Tetrodotoxin in Pleurobranchaea maculata (Gastropoda) and Stylochoplana sp. (Turbellaria). <i>Marine Drugs</i> , 2015, 13, 756-769.	2.2	28
114	Molecular Approaches to the Investigation of Viable Dinoflagellate Cysts in Natural Sediments from Estuarine Environments1. <i>Journal of Eukaryotic Microbiology</i> , 2005, 52, 90-94.	0.8	27
115	<scp>SSU</scp>â€<scp>rRNA</scp> Gene Sequencing Survey of Benthic Microbial Eukaryotes from Guaymas Basin Hydrothermal Vent. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 637-653.	0.8	27
116	Use of Methacrylate De-embedding Protocols for In Situ Hybridization on Semithin Plastic Sections with Multiple Detection Strategies. <i>Journal of Histochemistry and Cytochemistry</i> , 1998, 46, 149-155.	1.3	25
117	Carbon-Fixation Rates and Associated Microbial Communities Residing in Arid and Ephemeral Wet Antarctic Dry Valley Soils. <i>Frontiers in Microbiology</i> , 2015, 6, 1347.	1.5	25
118	Aeolian Material Transport and Its Role in Landscape Connectivity in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 3323-3337.	1.0	25
119	Development and field assessment of a quantitative PCR for the detection and enumeration of the noxious bloom-former <i>Anabaena planktonica</i> . <i>Limnology and Oceanography: Methods</i> , 2007, 5, 474-483.	1.0	24
120	Maintenance of cyanotoxin production by cryopreserved cyanobacteria in the New Zealand culture collection. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2008, 42, 277-283.	0.8	24
121	Modified Serial Analysis of Gene Expression Method for Construction of Gene Expression Profiles of Microbial Eukaryotic Species. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5298-5304.	1.4	23
122	Use of an armored RNA standard to measure microcystin synthetase E gene expression in toxic <i>Microcystis</i> sp. by reverseâ€transcription QPCR. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 509-520.	1.0	23
123	Structural Characterization of New Microcystins Containing Tryptophan and Oxidized Tryptophan Residues. <i>Marine Drugs</i> , 2013, 11, 3025-3045.	2.2	23
124	Abiotic factors influence patterns of bacterial diversity and community composition in the Dry Valleys of Antarctica. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	23
125	Accuracy assessment of land surface temperature retrievals from Landsat 7 ETM + in the Dry Valleys of Antarctica using iButton temperature loggers and weather station data. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2619-2628.	1.3	22
126	Modulation of microcystin congener abundance following nitrogen depletion of a <i>Microcystis</i> batch culture. <i>Aquatic Ecology</i> , 2016, 50, 235-246.	0.7	22

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127	Rapid Microbial Dynamics in Response to an Induced Wetting Event in Antarctic Dry Valley Soils. <i>Frontiers in Microbiology</i> , 2019, 10, 621.	1.5	22
128	Microbial Ecology of Geothermal Habitats in Antarctica. , 2014, , 181-215.		22
129	ANTIOXIDANT ENZYME RESPONSE AND REACTIVE OXYGEN SPECIES PRODUCTION IN MARINE RAPHIDOPHYTES¹. <i>Journal of Phycology</i> , 2010, 46, 1161-1171.	1.0	21
130	Development of a real-time PCR assay for the detection of the invasive clam, <i>Corbula amurensis</i> , in environmental samples. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 412, 52-57.	0.7	21
131	Characterisation of bacterioplankton communities in the meltwater ponds of Bratina Island, Victoria Land, Antarctica. <i>FEMS Microbiology Ecology</i> , 2014, 89, 451-464.	1.3	20
132	No Evidence for a Culturable Bacterial Tetrodotoxin Producer in <i>Pleurobranchaea maculata</i> (Gastropoda: Pleurobranchidae) and <i>Stylochoplana</i> sp. (Platyhelminthes: Polycladida). <i>Toxins</i> , 2015, 7, 255-273.	1.5	20
133	The distribution and relative ecological roles of autotrophic and heterotrophic diazotrophs in the McMurdo Dry Valleys, Antarctica. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	20
134	PCR-Based Method for Single Egg and Embryo Identification in Marine Organisms. <i>BioTechniques</i> , 1996, 21, 998-1000.	0.8	19
135	Isolation and structure determination of two new hydrophobic microcystins from <i>Microcystis</i> sp. (CAWBG11). <i>Phytochemistry Letters</i> , 2013, 6, 575-581.	0.6	19
136	Quantitative real-time PCR for detecting germination of <i>Heterosigma akashiwo</i> and <i>Chattonella subsalsa</i> cysts from Delaware's Inland Bays, USA. <i>Aquatic Microbial Ecology</i> , 2009, 55, 229-239.	0.9	19
137	Draft Genome Sequence of Uncultured Upland Soil Cluster <i>Gammaproteobacteria</i> Gives Molecular Insights into High-Affinity Methanotrophy. <i>Genome Announcements</i> , 2017, 5, .	0.8	18
138	Barcoding of the cytochrome oxidase I (COI) indicates a recent introduction of <i>Ciona savignyi</i> into New Zealand and provides a rapid method for <i>Ciona</i> species discrimination. <i>Aquatic Invasions</i> , 2012, 7, 305-313.	0.6	18
139	A new device for sampling small volumes of water from marine micro-environments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 1279-1287.	0.6	17
140	In situ accumulation of tetrodotoxin in non-toxic <i>Pleurobranchaea maculata</i> (Opisthobranchia). <i>Aquatic Sciences</i> , 2017, 79, 335-344.	0.6	16
141	Distribution of <i>Pfiesteria piscicida</i> cyst populations in sediments of the Delaware Inland Bays, USA. <i>Harmful Algae</i> , 2006, 5, 363-373.	2.2	15
142	The Microbial Olympics. <i>Nature Reviews Microbiology</i> , 2012, 10, 583-588.	13.6	15
143	First year-round record of Antarctic Dry Valley soil CO ₂ flux. <i>Soil Biology and Biochemistry</i> , 2013, 66, 193-196.	4.2	15
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