

Cecile Bernard

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

4,333
citations

101543

36
h-index

118850

62
g-index

109
all docs

109
docs citations

109
times ranked

4089
citing authors

#	ARTICLE	IF	CITATIONS
1	The Culture Collection of Cyanobacteria and Microalgae at the French National Museum of Natural History: A Century Old But Still Alive and Kicking! Including in Memoriam: Professor Alain CoutÃ©. <i>Cryptogamie, Algologie</i> , 2022, 43, .	0.9	11
2	Strong reorganization of multi-domain microbial networks associated with primary producers sedimentation from oxic to anoxic conditions in an hypersaline lake. <i>FEMS Microbiology Ecology</i> , 2022, 97, .	2.7	3
3	Impacts of nutrient loading and fish grazing on the phytoplankton community and cyanotoxin production in a shallow tropical lake: Results from mesocosm experiments. <i>MicrobiologyOpen</i> , 2022, 11, e1278.	3.0	7
4	The success of the bloom-forming cyanobacteria <i>Planktothrix</i> : Genotypes variability supports variable responses to light and temperature stress. <i>Harmful Algae</i> , 2022, 117, 102285.	4.8	2
5	Diversity of cyanobacteria from thermal muds (Balaruc-Les-Bains, France) with the description of <i>Pseudochroococcus coutei</i> gen. nov., sp. nov.. <i>FEMS Microbes</i> , 2021, 2, .	2.1	8
6	Insights into the cyanosphere: capturing the respective metabolisms of cyanobacteria and chemotrophic bacteria in natural conditions?. <i>Environmental Microbiology Reports</i> , 2021, 13, 364-374.	2.4	11
7	Assessment of some key indicators of the ecological status of an African freshwater lagoon (Lagoon) Tj ETQq1 1 0.784314 rgBT /Over 2.5	2.5	9
8	High nutrient loading and climatic parameters influence the dominance and dissimilarity of toxigenic cyanobacteria in northern bays of Lake Victoria. <i>Journal of Great Lakes Research</i> , 2021, 47, 985-996.	1.9	8
9	Perception, Beliefs, and Attitudes Regarding Sedation Practices among Palliative Care Nurses and Physicians: A Qualitative Study. <i>Palliative Medicine Reports</i> , 2021, 2, 160-167.	0.9	3
10	Anti-Inflammatory, Antioxidant, and Wound-Healing Properties of Cyanobacteria from Thermal Mud of Balaruc-Les-Bains, France: A Multi-Approach Study. <i>Biomolecules</i> , 2021, 11, 28.	4.0	20
11	Influence of aphotic haloclines and euxinia on organic biomarkers and microbial communities in a thalassohaline and alkaline volcanic crater lake. <i>Geobiology</i> , 2021, , .	2.4	3
12	Dynamics of the Metabolome of <i>Aliinostoc</i> sp. PMC 882.14 in Response to Light and Temperature Variations. <i>Metabolites</i> , 2021, 11, 745.	2.9	6
13	Nitrogen Isotope Discrepancy Between Primary Producers and Sediments in an Anoxic and Alkaline Lake. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
14	Light stress in green and red <i>Planktothrix</i> strains: The orange carotenoid protein and its related photoprotective mechanism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148037.	1.0	7
15	New Benthic Cyanobacteria from Guadeloupe Mangroves as Producers of Antimicrobials. <i>Marine Drugs</i> , 2020, 18, 16.	4.6	13
16	Recurrent major depressive disorder's impact on end-of-life care of cancer: A nationwide study. <i>Journal of Affective Disorders</i> , 2020, 263, 326-335.	4.1	8
17	Carbon isotope evidence for large methane emissions to the Proterozoic atmosphere. <i>Scientific Reports</i> , 2020, 10, 18186.	3.3	21
18	End-of-Life Care Among Patients With Bipolar Disorder and Cancer: A Nationwide Cohort Study. <i>Psychosomatic Medicine</i> , 2020, 82, 722-732.	2.0	7

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19	A review of the socioecological causes and consequences of cyanobacterial blooms in Lake Victoria. <i>Harmful Algae</i> , 2020, 96, 101829.	4.8	49
20	Geochemistry of an endorheic thalassohaline ecosystem: the Dziani Dzaha crater lake (Mayotte) <i>Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 7</i>	1.2	6
21	Draft Genome Sequence of the Toxic Freshwater <i>Microcystis aeruginosa</i> Strain PMC 728.11 (Cyanobacteria, Chroococcales). <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
22	Drivers and ecological consequences of dominance in periurban phytoplankton communities using networks approaches. <i>Water Research</i> , 2019, 163, 114893.	11.3	52
23	Insights into the Diversity of Secondary Metabolites of <i>Planktothrix</i> Using a Biphasic Approach Combining Global Genomics and Metabolomics. <i>Toxins</i> , 2019, 11, 498.	3.4	24
24	End-of-life care among patients with schizophrenia and cancer: a population-based cohort study from the French national hospital database. <i>Lancet Public Health</i> , The, 2019, 4, e583-e591.	10.0	56
25	Development of a new extraction method based on high-intensity ultra-sonication to study RNA regulation of the filamentous cyanobacteria <i>Planktothrix</i> . <i>PLoS ONE</i> , 2019, 14, e0222029.	2.5	12
26	Subcellular localization of microcystin in the liver and the gonads of medaka fish acutely exposed to microcystin-LR. <i>Toxicol</i> , 2019, 159, 14-21.	1.6	16
27	Response of Fish Gut Microbiota to Toxin-Containing Cyanobacterial Extracts: A Microcosm Study on the Medaka (<i>Oryzias latipes</i>). <i>Environmental Science and Technology Letters</i> , 2019, 6, 341-347.	8.7	31
28	Natural Products from Cyanobacteria: Focus on Beneficial Activities. <i>Marine Drugs</i> , 2019, 17, 320.	4.6	189
29	Global Metabolomic Characterizations of <i>Microcystis</i> spp. Highlights Clonal Diversity in Natural Bloom-Forming Populations and Expands Metabolite Structural Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 791.	3.5	40
30	High-intensity end-of-life care among children, adolescents, and young adults with cancer who die in the hospital: A population-based study from the French national hospital database. <i>Cancer</i> , 2019, 125, 2300-2308.	4.1	29
31	Specificity of the metabolic signatures of fish from cyanobacteria rich lakes. <i>Chemosphere</i> , 2019, 226, 183-191.	8.2	18
32	Very Low Phytoplankton Diversity in a Tropical Saline-Alkaline Lake, with Co-dominance of <i>Arthrospira fusiformis</i> (Cyanobacteria) and <i>Picocystis salinarum</i> (Chlorophyta). <i>Microbial Ecology</i> , 2019, 78, 603-617.	2.8	19
33	Phylogeny and salt-tolerance of freshwater <i>Nostocales</i> strains: Contribution to their systematics and evolution. <i>Harmful Algae</i> , 2018, 73, 58-71.	4.8	11
34	Biocompatibility of four common orthopedic biomaterials following neuroelectromyostimulation: An <i>in vivo</i> study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1156-1164.	3.4	4
35	Spatiotemporal variations in microbial diversity across the three domains of life in a tropical thalassohaline lake (Dziani Dzaha, Mayotte Island). <i>Molecular Ecology</i> , 2018, 27, 4775-4786.	3.9	27
36	Characterization of phototrophic microorganisms and description of new cyanobacteria isolated from the saline-alkaline crater-lake Dziani Dzaha (Mayotte, Indian Ocean). <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	39

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37	West Nile virus infection in horses, Indian ocean. Comparative Immunology, Microbiology and Infectious Diseases, 2017, 53, 45-49.	1.6	13
38	Biocompatibility of Four Common Orthopedic Biomaterials Following a High-Salt Diet: An In Vivo Study. International Journal of Molecular Sciences, 2017, 18, 1489.	4.1	3
39	Microbial Diversity and Cyanobacterial Production in Dziani Dzaha Crater Lake, a Unique Tropical Thalassohaline Environment. PLoS ONE, 2017, 12, e0168879.	2.5	33
40	Bacterial Communities Associated with Four Cyanobacterial Genera Display Structural and Functional Differences: Evidence from an Experimental Approach. Frontiers in Microbiology, 2016, 7, 1662.	3.5	57
41	Environmental heterogeneity among lakes promotes hyperdiversity across phytoplankton communities. Freshwater Biology, 2016, 61, 633-645.	2.4	70
42	Patterns and multi-scale drivers of phytoplankton species richness in temperate peri-urban lakes. Science of the Total Environment, 2016, 559, 74-83.	8.0	27
43	Gender-Specific Toxicological Effects of Chronic Exposure to Pure Microcystin-LR or Complex <i>Microcystis aeruginosa</i> Extracts on Adult Medaka Fish. Environmental Science & Technology, 2016, 50, 8324-8334.	10.0	50
44	An integrated omic analysis of hepatic alteration in medaka fish chronically exposed to cyanotoxins with possible mechanisms of reproductive toxicity. Environmental Pollution, 2016, 219, 119-131.	7.5	46
45	Deep sexual dimorphism in adult medaka fish liver highlighted by multi-omic approach. Scientific Reports, 2016, 6, 32459.	3.3	43
46	Tensile Bond Strengths of Two Adhesives on Irradiated and Nonirradiated Human Dentin. BioMed Research International, 2015, 2015, 1-6.	1.9	7
47	Cloning of some heat shock proteins genes for further transcriptional study of <i>Planktothrix agardhii</i> exposed to abiotic stress. Folia Microbiologica, 2015, 60, 317-323.	2.3	1
48	Quantifying phytoplankton communities using spectral fluorescence: the effects of species composition and physiological state. Journal of Plankton Research, 2015, 37, 233-247.	1.8	38
49	Structural Diversity of Bacterial Communities Associated with Bloom-Forming Freshwater Cyanobacteria Differs According to the Cyanobacterial Genus. PLoS ONE, 2015, 10, e0140614.	2.5	143
50	Colorimetric engineered immunoprobe for the detection and quantification of microcystins. Journal of Immunological Methods, 2014, 406, 124-130.	1.4	10
51	Les cyanobactéries et leurs toxines. Revue Francophone Des Laboratoires, 2014, 2014, 53-68.	0.0	2
52	Toxicity of harmful cyanobacterial blooms to bream and roach. Toxicon, 2013, 71, 121-127.	1.6	22
53	To flee or not to flee: detection, avoidance and attraction of profitable resources by <i>Daphnia magna</i> studied with olfactometer. Journal of Limnology, 2013, 72, 37.	1.1	1
54	Heat Shock Transcriptional Responses in an MC-Producing Cyanobacterium (<i>Planktothrix agardhii</i>) and Its MC-Deficient Mutant under High Light Conditions. PLoS ONE, 2013, 8, e73198.	2.5	9

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55	Projecting the Impact of Regional Land-Use Change and Water Management Policies on Lake Water Quality: An Application to Periurban Lakes and Reservoirs. PLoS ONE, 2013, 8, e72227.	2.5	15
56	Effects of microcystin-producing and microcystin-free strains of <i>Planktothrix agardhii</i> on long-term population dynamics of <i>Daphnia magna</i> . Annales De Limnologie, 2012, 48, 337-347.	0.6	22
57	On the use of the FluoroProbe [®] , a phytoplankton quantification method based on fluorescence excitation spectra for large-scale surveys of lakes and reservoirs. Water Research, 2012, 46, 1771-1784.	11.3	138
58	Response to Letter to the Editor regarding "Collaborative study for the detection of toxic compounds in shellfish extracts using cell-based assays. Part I: screening strategy and pre-validation study with lipophilic marine toxins" and "Part II: application to shellfish extracts spiked with lipophilic marine toxins". Analytical and Bioanalytical Chemistry, 2012, 404, 1613-1614.	3.7	0
59	Collaborative study for the detection of toxic compounds in shellfish extracts using cell-based assays. Part I: screening strategy and pre-validation study with lipophilic marine toxins. Analytical and Bioanalytical Chemistry, 2012, 403, 1983-1993.	3.7	33
60	Collaborative study for the detection of toxic compounds in shellfish extracts using cell-based assays. Part II: application to shellfish extracts spiked with lipophilic marine toxins. Analytical and Bioanalytical Chemistry, 2012, 403, 1995-2007.	3.7	26
61	Oral toxicity of extracts of the microcystin-containing cyanobacterium <i>Planktothrix agardhii</i> to the medaka fish (<i>Oryzias latipes</i>). Toxicon, 2011, 58, 112-122.	1.6	18
62	Estuarine microbial community characteristics as indicators of human-induced changes (Senegal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.1	16
63	THE CONTRIBUTION OF SUBSAHARAN AFRICAN STRAINS TO THE PHYLOGENY OF CYANOBACTERIA: FOCUSING ON THE NOSTOCACEAE (NOSTOCALES, CYANOBACTERIA) ¹. Journal of Phycology, 2010, 46, 564-579.	2.3	46
64	Cost effective prediction of the eutrophication status of lakes and reservoirs. Freshwater Biology, 2010, 55, 2425-2435.	2.4	36
65	Localization of microcystin-LR in medaka fish tissues after cyanotoxin gavage. Toxicon, 2010, 55, 531-535.	1.6	41
66	Evidence for saxitoxins production by the cyanobacterium <i>Aphanizomenon gracile</i> in a French recreational water body. Harmful Algae, 2010, 10, 88-97.	4.8	66
67	Suitability of the Neuro-2a cell line for the detection of palytoxin and analogues (neurotoxic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 53	1.6	53
68	Collapse of a <i>Planktothrix agardhii</i> perennial bloom and microcystin dynamics in response to reduced phosphate concentrations in a temperate lake. FEMS Microbiology Ecology, 2008, 65, 61-73.	2.7	31
69	Global quantitative analysis of protein expression and phosphorylation status in the liver of the medaka fish (<i>Oryzias latipes</i>) exposed to microcystin-LR. Aquatic Toxicology, 2008, 86, 166-175.	4.0	70
70	Design and application of a stratified sampling strategy to study the regional distribution of cyanobacteria (Ile-de-France, France). Water Research, 2008, 42, 4989-5001.	11.3	44
71	Effects of cyanobacterial crude extracts from <i>Planktothrix agardhii</i> on embryo "larval development of medaka fish, <i>Oryzias latipes</i> . Toxicon, 2008, 51, 262-269.	1.6	22
72	Temporal Variations in the Dynamics of Potentially Microcystin-Producing Strains in a Bloom-Forming <i>Planktothrix agardhii</i> (Cyanobacterium) Population. Applied and Environmental Microbiology, 2008, 74, 3839-3848.	3.1	113

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73	Global Quantitative Analysis of Protein Phosphorylation Status in Fish Exposed to Microcystin. <i>Advances in Experimental Medicine and Biology</i> , 2008, 617, 419-426.	1.6	13
74	Microcystin ecotypes in a perennial <i>Planktothrix agardhii</i> bloom. <i>Water Research</i> , 2007, 41, 4446-4456.	11.3	58
75	APPLICATION OF THE NEUROBLASTOMA ASSAY FOR PARALYTIC SHELLFISH POISONS TO NEUROTOXIC FRESHWATER CYANOBACTERIA: INTERLABORATORY CALIBRATION AND COMPARISON WITH OTHER METHODS OF ANALYSIS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1512.	4.3	34
76	Seasonal dynamics and toxicity of <i>Cylindrospermopsis raciborskii</i> in Lake Guiers (Senegal, West) Tj ETQq0 0 0 rgBT/Qverlock_10 Tf 50 6	2.7	70
77	La multifonctionnalité : une preuve du local : les exploitations agricoles face aux enjeux des filières et des territoires. <i>Cahiers Agricultures</i> , 2006, 15, 523-528.	0.9	3
78	Les relations sociales des agriculteurs périurbains : quelles articulations au territoire ? <i>Cahiers Agricultures</i> , 2006, 15, 529-534.	0.9	7
79	Genetic Diversity of <i>Cylindrospermopsis</i> Strains (Cyanobacteria) Isolated from Four Continents. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1097-1100.	3.1	151
80	Effects of Two Cyanotoxins, Microcystin-LR and <i>Cylindrospermopsis</i> , on <i>Euglena gracilis</i> . , 2005, , 659-671.		6
81	First report in a river in France of the benthic cyanobacterium <i>Phormidium favosum</i> producing anatoxin-a associated with dog neurotoxicosis. <i>Toxicon</i> , 2005, 45, 919-928.	1.6	276
82	Microcystin-LR and embryo larval development of medaka fish, <i>Oryzias latipes</i> . I. Effects on the digestive tract and associated systems. <i>Toxicon</i> , 2005, 46, 16-23.	1.6	34
83	CYLINDROSPERMOPSIS RACIBORSKII (CYANOBACTERIA) INVASION AT MID-LATITUDES: SELECTION, WIDE PHYSIOLOGICAL TOLERANCE, ORGLOBALWARMING?1. <i>Journal of Phycology</i> , 2004, 40, 231-238.	2.3	282
84	FIRST EVIDENCE OF Palytoxin analogues from <i>Anostreopsis mascarenensis</i> (Dinophyceae) benthic bloom in southwestern Indian Ocean. <i>Journal of Phycology</i> , 2004, 40, 1042-1051.	2.3	162
85	Water quality and health status of the Senegal River estuary. <i>Marine Pollution Bulletin</i> , 2004, 48, 852-862.	5.0	47
86	Effects of microcystin-LR on development of medaka fish embryos (<i>Oryzias latipes</i>). <i>Toxicon</i> , 2004, 43, 141-147.	1.6	88
87	Toxicological comparison of diverse <i>Cylindrospermopsis raciborskii</i> strains: Evidence of liver damage caused by a French <i>C. raciborskii</i> strain. <i>Environmental Toxicology</i> , 2003, 18, 176-186.	4.0	103
88	Cell alterations but no DNA strand breaks induced in vitro by <i>cylindrospermopsis</i> in CHO K1 cells. <i>Environmental Toxicology</i> , 2003, 18, 353-359.	4.0	53
89	Health hazards for terrestrial vertebrates from toxic cyanobacteria in surface water ecosystems. <i>Veterinary Research</i> , 2003, 34, 361-377.	3.0	247
90	Environmental context of <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) blooms in a shallow pond in France. <i>Water Research</i> , 2002, 36, 3183-3192.	11.3	150

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91	A perennial bloom of <i>Planktothrix agardhii</i> (Cyanobacteria) in a shallow eutrophic French lake: limnological and microcystin production studies. <i>Fundamental and Applied Limnology</i> , 2002, 153, 605-622.	0.7	49
92	Resistance to <i>Bacillus sphaericus</i> in <i>Culex pipiens</i> (Diptera: Culicidae): Interaction Between Recessive Mutants and Evolution in Southern France. <i>Journal of Medical Entomology</i> , 2001, 38, 657-664.	1.8	51
93	Improvement of <i>Bacillus sphaericus</i> toxicity against dipteran larvae by integration, via homologous recombination, of the Cry11A toxin gene from <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> . <i>Applied and Environmental Microbiology</i> , 1997, 63, 4413-4420.	3.1	65
94	SYNTHESIS AND BINDING OF PHYCOERYTHRIN AND ITS ASSOCIATED LINKERS TO THE PHYCOBILISOME IN RHODELLA VIOLACEA (RHODOPHYTA): COMPARED EFFECTS OF HIGH LIGHT AND TRANSLATION INHIBITORS1. <i>Journal of Phycology</i> , 1996, 32, 265-271.	2.3	24
95	Differential Transcription of Phycobiliprotein Components in <i>Rhodella violacea</i> (Light and Nitrogen) Tj ETQq1 1 0.784314 rgBT /Overl	4.8	9
96	A <i>ompR</i> Gene in the Plastid Genome of <i>Rhodella violacea</i> . <i>Plant Physiology</i> , 1994, 106, 795-796.	4.8	4
97	Characterization of the genes encoding phycoerythrin in the red alga <i>Rhodella violacea</i> : evidence for a splitting of the <i>rpeB</i> gene by an intron.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 9564-9568.	7.1	40
98	Characterization of two insertion sequences, IS701 and IS702, from the cyanobacterium <i>Calothrix</i> species PCC 7601. <i>Molecular Microbiology</i> , 1991, 5, 2165-2170.	2.5	50