

# Cecile Bernard

## List of Publications by Year in descending order

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98  
papers

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citations

101543

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109  
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109  
docs citations

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times ranked

4089  
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#	ARTICLE	IF	CITATIONS
1	CYLINDROSPERMOPSIS RACIBORSKII (CYANOBACTERIA) INVASION AT MID-LATITUDES: SELECTION, WIDE PHYSIOLOGICAL TOLERANCE, OR GLOBAL WARMING? 1. <i>Journal of Phycology</i> , 2004, 40, 231-238.	2.3	282
2	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
3	Health hazards for terrestrial vertebrates from toxic cyanobacteria in surface water ecosystems. <i>Veterinary Research</i> , 2003, 34, 361-377.	3.0	247
4	Natural Products from Cyanobacteria: Focus on Beneficial Activities. <i>Marine Drugs</i> , 2019, 17, 320.	4.6	189
5	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
6	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
7	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
8	Structural Diversity of Bacterial Communities Associated with Bloom-Forming Freshwater Cyanobacteria Differs According to the Cyanobacterial Genus. <i>PLoS ONE</i> , 2015, 10, e0140614.	2.5	143
9	On the use of the FluoroProbe <sup>®</sup> , a phytoplankton quantification method based on fluorescence excitation spectra for large-scale surveys of lakes and reservoirs. <i>Water Research</i> , 2012, 46, 1771-1784.	11.3	138
10	Temporal Variations in the Dynamics of Potentially Microcystin-Producing Strains in a Bloom-Forming <i>Planktothrix agardhii</i> (Cyanobacterium) Population. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3839-3848.	3.1	113
11	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
12	Effects of microcystin-LR on development of medaka fish embryos ( <i>Oryzias latipes</i> ). <i>Toxicon</i> , 2004, 43, 141-147.	1.6	88
13	Seasonal dynamics and toxicity of <i>Cylindrospermopsis raciborskii</i> in Lake Guiers (Senegal, West) Tj ETQq1 1 0.784314 rgBT /Overlock 2.7 70		
14	Global quantitative analysis of protein expression and phosphorylation status in the liver of the medaka fish ( <i>Oryzias latipes</i> ) exposed to microcystin-LR. <i>Aquatic Toxicology</i> , 2008, 86, 166-175.	4.0	70
15	Environmental heterogeneity among lakes promotes hyper-diversity across phytoplankton communities. <i>Freshwater Biology</i> , 2016, 61, 633-645.	2.4	70
16	Evidence for saxitoxins production by the cyanobacterium <i>Aphanizomenon gracile</i> in a French recreational water body. <i>Harmful Algae</i> , 2010, 10, 88-97.	4.8	66
17	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
18	Microcystin ecotypes in a perennial <i>Planktothrix agardhii</i> bloom. <i>Water Research</i> , 2007, 41, 4446-4456.	11.3	58

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19	Bacterial Communities Associated with Four Cyanobacterial Genera Display Structural and Functional Differences: Evidence from an Experimental Approach. <i>Frontiers in Microbiology</i> , 2016, 7, 1662.	3.5	57
20	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
21	Cell alterations but no DNA strand breaks induced in vitro by cylindrospermopsin in CHO K1 cells. <i>Environmental Toxicology</i> , 2003, 18, 353-359.	4.0	53
22	Suitability of the Neuro-2a cell line for the detection of palytoxin and analogues (neurotoxic) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 622 T	1.6	53
23	Drivers and ecological consequences of dominance in periurban phytoplankton communities using networks approaches. <i>Water Research</i> , 2019, 163, 114893.	11.3	52
24	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
25	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
26	Gender-Specific Toxicological Effects of Chronic Exposure to Pure Microcystin-LR or Complex <i>Microcystis aeruginosa</i> Extracts on Adult Medaka Fish. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8324-8334.	10.0	50
27	A review of the socioecological causes and consequences of cyanobacterial blooms in Lake Victoria. <i>Harmful Algae</i> , 2020, 96, 101829.	4.8	49
28	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
29	Water quality and health status of the Senegal River estuary. <i>Marine Pollution Bulletin</i> , 2004, 48, 852-862.	5.0	47
30	THE CONTRIBUTION OF SUBSAHARAN AFRICAN STRAINS TO THE PHYLOGENY OF CYANOBACTERIA: FOCUSING ON THE NOSTOCACEAE (NOSTOCALES, CYANOBACTERIA). <i>Journal of Phycology</i> , 2010, 46, 564-579.	2.3	46
31	An integrated omic analysis of hepatic alteration in medaka fish chronically exposed to cyanotoxins with possible mechanisms of reproductive toxicity. <i>Environmental Pollution</i> , 2016, 219, 119-131.	7.5	46
32	Design and application of a stratified sampling strategy to study the regional distribution of cyanobacteria (Ile-de-France, France). <i>Water Research</i> , 2008, 42, 4989-5001.	11.3	44
33	Deep sexual dimorphism in adult medaka fish liver highlighted by multi-omic approach. <i>Scientific Reports</i> , 2016, 6, 32459.	3.3	43
34	Localization of microcystin-LR in medaka fish tissues after cyanotoxin gavage. <i>Toxicon</i> , 2010, 55, 531-535.	1.6	41
35	Characterization of the genes encoding phycoerythrin in the red alga <i>Rhodella violacea</i> : evidence for a splitting of the rpeB 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
36	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

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37	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
38	Quantifying phytoplankton communities using spectral fluorescence: the effects of species composition and physiological state. <i>Journal of Plankton Research</i> , 2015, 37, 233-247.	1.8	38
39	Cost effective prediction of the eutrophication status of lakes and reservoirs. <i>Freshwater Biology</i> , 2010, 55, 2425-2435.	2.4	36
40	Microcystin-LR and embryoâ€œlarval development of medaka fish, <i>Oryzias latipes</i> . I. Effects on the digestive tract and associated systems. <i>Toxicol</i> , 2005, 46, 16-23.	1.6	34
41	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
42	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. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1983-1993.	3.7	33
43	Microbial Diversity and Cyanobacterial Production in Dziani Dzaha Crater Lake, a Unique Tropical Thalassohaline Environment. <i>PLoS ONE</i> , 2017, 12, e0168879.	2.5	33
44	Collapse of a <i>Planktothrix agardhii</i> perennial bloom and microcystin dynamics in response to reduced phosphate concentrations in a temperate lake. <i>FEMS Microbiology Ecology</i> , 2008, 65, 61-73.	2.7	31
45	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
46	Highâ€œintensity endâ€œofâ€œlife care among children, adolescents, and young adults with cancer who die in the hospital: A populationâ€œbased study from the French national hospital database. <i>Cancer</i> , 2019, 125, 2300-2308.	4.1	29
47	Patterns and multi-scale drivers of phytoplankton species richness in temperate peri-urban lakes. <i>Science of the Total Environment</i> , 2016, 559, 74-83.	8.0	27
48	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
49	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. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1995-2007.	3.7	26
50	SYNTHESIS AND BINDING OF PHYCOERYTHRIN AND ITS ASSOCIATED LINKERS TO THE PHYCOBILISOME IN <i>RHODELLA VIOLACEA</i> (RHODOPHYTA): COMPARED EFFECTS OF HIGH LIGHT AND TRANSLATION INHIBITORS1. <i>Journal of Phycology</i> , 1996, 32, 265-271.	2.3	24
51	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
52	Effects of cyanobacterial crude extracts from <i>Planktothrix agardhii</i> on embryoâ€œlarval development of medaka fish, <i>Oryzias latipes</i> . <i>Toxicol</i> , 2008, 51, 262-269.	1.6	22
53	Effects of microcystin-producing and microcystin-free strains of <i>Planktothrix agardhii</i> on long-term population dynamics of <i>Daphnia magna</i> . <i>Annales De Limnologie</i> , 2012, 48, 337-347.	0.6	22
54	Toxicity of harmful cyanobacterial blooms to bream and roach. <i>Toxicol</i> , 2013, 71, 121-127.	1.6	22

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55	Carbon isotope evidence for large methane emissions to the Proterozoic atmosphere. <i>Scientific Reports</i> , 2020, 10, 18186.	3.3	21
56	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
57	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
58	Oral toxicity of extracts of the microcystin-containing cyanobacterium <i>Planktothrix agardhii</i> to the medaka fish ( <i>Oryzias latipes</i> ). <i>Toxicon</i> , 2011, 58, 112-122.	1.6	18
59	Specificity of the metabolic signatures of fish from cyanobacteria rich lakes. <i>Chemosphere</i> , 2019, 226, 183-191.	8.2	18
60	Estuarine microbial community characteristics as indicators of human-induced changes (Senegal) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5</i>	2.1	16
61	Subcellular localization of microcystin in the liver and the gonads of medaka fish acutely exposed to microcystin-LR. <i>Toxicon</i> , 2019, 159, 14-21.	1.6	16
62	Projecting the Impact of Regional Land-Use Change and Water Management Policies on Lake Water Quality: An Application to Periurban Lakes and Reservoirs. <i>PLoS ONE</i> , 2013, 8, e72227.	2.5	15
63	West Nile virus infection in horses, Indian ocean. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2017, 53, 45-49.	1.6	13
64	New Benthic Cyanobacteria from Guadeloupe Mangroves as Producers of Antimicrobials. <i>Marine Drugs</i> , 2020, 18, 16.	4.6	13
65	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
66	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
67	Phylogeny and salt-tolerance of freshwater Nostocales strains: Contribution to their systematics and evolution. <i>Harmful Algae</i> , 2018, 73, 58-71.	4.8	11
68	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
69	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 Cout��. <i>Cryptogamie, Algologie</i> , 2022, 43, .	0.9	11
70	Colorimetric engineered immunoprobe for the detection and quantification of microcystins. <i>Journal of Immunological Methods</i> , 2014, 406, 124-130.	1.4	10
71	Differential Transcription of Phycobiliprotein Components in <i>Rhodella violacea</i> (Light and Nitrogen) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	4.8	9
72	Heat Shock Transcriptional Responses in an MC-Producing Cyanobacterium ( <i>Planktothrix agardhii</i> ) and Its MC-Deficient Mutant under High Light Conditions. <i>PLoS ONE</i> , 2013, 8, e73198.	2.5	9

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73	Assessment of some key indicators of the ecological status of an African freshwater lagoon (Lagoon) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	9
74	Recurrent major depressive disorder's impact on end-of-life care of cancer: A nationwide study. Journal of Affective Disorders, 2020, 263, 326-335.	4.1	8
75	Diversity of cyanobacteria from thermal muds (Balaruc-Les-Bains, France) with the description of <i>Pseudochroococcus coutei</i> gen. nov., sp. nov.. FEMS Microbes, 2021, 2, .	2.1	8
76	High nutrient loading and climatic parameters influence the dominance and dissimilarity of toxigenic cyanobacteria in northern bays of Lake Victoria. Journal of Great Lakes Research, 2021, 47, 985-996.	1.9	8
77	Tensile Bond Strengths of Two Adhesives on Irradiated and Nonirradiated Human Dentin. BioMed Research International, 2015, 2015, 1-6.	1.9	7
78	Light stress in green and red Planktothrix strains: The orange carotenoid protein and its related photoprotective mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148037.	1.0	7
79	End-of-Life Care Among Patients With Bipolar Disorder and Cancer: A Nationwide Cohort Study. Psychosomatic Medicine, 2020, 82, 722-732.	2.0	7
80	Les relations sociales des agriculteurs pÃ©riurbainsÂ: quelles articulations au territoireÂ?. Cahiers Agricultures, 2006, 15, 529-534.	0.9	7
81	Impacts of nutrient loading and fish grazing on the phytoplankton community and cyanotoxin production in a shallow tropical lake: Results from mesocosm experiments. MicrobiologyOpen, 2022, 11, e1278.	3.0	7
82	Effects of Two Cyanotoxins, Microcystin-LR and Cylindrospermopsin, on Euglena gracilis. , 2005, , 659-671.		6
83	Geochemistry of an endorheic thalassohaline ecosystem: the Dziani Dzaha crater lake (Mayotte) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	6
84	Dynamics of the Metabolome of Aliinostoc sp. PMC 882.14 in Response to Light and Temperature Variations. Metabolites, 2021, 11, 745.	2.9	6
85	Draft Genome Sequence of the Toxic Freshwater Microcystis aeruginosa Strain PMC 728.11 (Cyanobacteria, Chroococcales). Microbiology Resource Announcements, 2020, 9, .	0.6	5
86	A ompR Gene in the Plastid Genome of Rhodella violacea. Plant Physiology, 1994, 106, 795-796.	4.8	4
87	Biocompatibility of four common orthopedic biomaterials following neuroelectromyostimulation: An inâ€vivo study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1156-1164.	3.4	4
88	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
89	Perception, Beliefs, and Attitudes Regarding Sedation Practices among Palliative Care Nurses and Physicians: A Qualitative Study. Palliative Medicine Reports, 2021, 2, 160-167.	0.9	3
90	Influence of aphotic haloclines and euxinia on organic biomarkers and microbial communities in a thalassohaline and alkaline volcanic crater lake. Geobiology, 2021, , .	2.4	3

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91	La multifonctionnalité : une preuve du local : les exploitations agricoles face aux enjeux des filières et des territoires. Cahiers Agricultures, 2006, 15, 523-528.	0.9	3
92	Nitrogen Isotope Discrepancy Between Primary Producers and Sediments in an Anoxic and Alkaline Lake. Frontiers in Earth Science, 2021, 9, .	1.8	3
93	Strong reorganization of multi-domain microbial networks associated with primary producers sedimentation from oxic to anoxic conditions in a hypersaline lake. FEMS Microbiology Ecology, 2022, 97, .	2.7	3
94	Les cyanobactéries et leurs toxines. Revue Francophone Des Laboratoires, 2014, 2014, 53-68.	0.0	2
95	The success of the bloom-forming cyanobacteria Planktothrix: Genotypes variability supports variable responses to light and temperature stress. Harmful Algae, 2022, 117, 102285.	4.8	2
96	To flee or not to flee: detection, avoidance and attraction of profitable resources by Daphnia magna studied with olfactometer. Journal of Limnology, 2013, 72, 37.	1.1	1
97	Cloning of some heat shock proteins genes for further transcriptional study of Planktothrix agardhii exposed to abiotic stress. Folia Microbiologica, 2015, 60, 317-323.	2.3	1
98	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