Maria do Carmo Bittencourt-Oliveira

List of Publications by Year
in descending order

76 papers	1,782 citations	279798 23 h-index	315739 38 g-index
76 all docs	76 docs citations	76 times ranked	1561 citing authors

#	Article	IF	Citations
1	Succession and toxicity of Microcystis and Anabaena (Dolichospermum) blooms are controlled by nutrient-dependent allelopathic interactions. Harmful Algae, 2018, 74, 67-77.	4.8	122
2	Lettuce irrigated with contaminated water: Photosynthetic effects, antioxidative response and bioaccumulation of microcystin congeners. Ecotoxicology and Environmental Safety, 2016, 128, 83-90.	6.0	84
3	GENETIC VARIABILITY OF BRAZILIAN STRAINS OF THE MICROCYSTIS AERUGINOSA COMPLEX (CYANOBACTERIA/CYANOPHYCEAE) USING THE PHYCOCYANIN INTERGENIC SPACER AND FLANKING REGIONS (cpcBA). Journal of Phycology, 2001, 37, 810-818.	2.3	82
4	Detection of potential microcystin-producing cyanobacteria in Brazilian reservoirs with a mcyB molecular marker. Harmful Algae, 2003, 2, 51-60.	4.8	78
5	Cyanobacteria, microcystins and cylindrospermopsin in public drinking supply reservoirs of Brazil. Anais Da Academia Brasileira De Ciencias, 2014, 86, 297-310.	0.8	76
6	Cyanotoxin production and phylogeny of benthic cyanobacterial strains isolated from the northeast of Brazil. Harmful Algae, 2015, 43, 46-57.	4.8	73
7	Allelopathic interactions between microcystin-producing and non-microcystin-producing cyanobacteria and green microalgae: implications for microcystins production. Journal of Applied Phycology, 2015, 27, 275-284.	2.8	67
8	Cyanobacterial blooms in stratified and destratified eutrophic reservoirs in semi-arid region of Brazil. Anais Da Academia Brasileira De Ciencias, 2011, 83, 1327-1338.	0.8	57
9	Microcystin-LR bioaccumulation and depuration kinetics in lettuce and arugula: Human health risk assessment. Science of the Total Environment, 2016, 566-567, 1379-1386.	8.0	57
10	Saxitoxins accumulation by freshwater tilapia (Oreochromis niloticus) for human consumption. Toxicon, 2009, 54, 891-894.	1.6	50
11	Detection of harmful cyanobacteria and their toxins by both PCR amplification and LC-MS during a bloom event. Toxicon, 2006, 48, 239-245.	1.6	48
12	Temporal variation of the phytoplankton community at short sampling intervals in the MundaÃº reservoir, Northeastern Brazil. Acta Botanica Brasilica, 2008, 22, 970-982.	0.8	45
13	Dynamics of phytoplankton associations in three reservoirs in northeastern Brazil assessed using Reynoldsâ€™ theory. Limnologica, 2012, 42, 72-80.	1.5	45
14	Bioaccumulation of Microcystins in Lettuce. Journal of Phycology, 2012, 48, 1535-1537.	2.3	42
15	A novel rhythm of microcystin biosynthesis is described in the cyanobacterium Microcystis panniformis KomÃ¡rek et al.. Biochemical and Biophysical Research Communications, 2005, 326, 687-694.	2.1	41
16	Cylindrospermopsin in Water Supply Reservoirs in Brazil Determined by Immunochemical and Molecular Methods. Journal of Water Resource and Protection, 2011, 03, 349-355.	0.8	35
17	Zooplanktonic community of six reservoirs in northeast Brazil. Brazilian Journal of Biology, 2009, 69, 57-65.	0.9	32
18	The Individual and Combined Effects of the Cyanotoxins, Anatoxin-a and Microcystin-LR, on the Growth, Toxin Production, and Nitrogen Fixation of Prokaryotic and Eukaryotic Algae. Toxins, 2019, 11, 43.	3.4	30

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19	Diversity of microcystin-producing genotypes in Brazilian strains of Microcystis (Cyanobacteria). Brazilian Journal of Biology, 2011, 71, 209-216.	0.9	29
20	Phytoplanktonic associations: a tool to understanding dominance events in a tropical Brazilian reservoir. Acta Botanica Brasilica, 2007, 21, 641-648.	0.8	27
21	Cylindrospermopsin induced changes in growth, toxin production and antioxidant response of Acutodesmus acuminatus and Microcystis aeruginosa under differing light and nitrogen conditions. Ecotoxicology and Environmental Safety, 2017, 142, 189-199.	6.0	26
22	Potential human health risk assessment of cylindrospermopsin accumulation and depuration in lettuce and arugula. Harmful Algae, 2017, 68, 217-223.	4.8	26
23	Phytotoxicity associated to microcystins: a review. Brazilian Journal of Biology, 2014, 74, 753-760.	0.9	25
24	Cyanotoxin contamination of semiarid drinking water supply reservoirs. Environmental Earth Sciences, 2018, 77, 1.	2.7	24
25	Vertical and temporal dynamics of cyanobacteria in the Carpina potable water reservoir in northeastern Brazil. Brazilian Journal of Biology, 2011, 71, 451-459.	0.9	24
26	Study of environmental burden of lead in children using teeth as bioindicator. Environment International, 2009, 35, 614-618.	10.0	23
27	Effects of light intensity and temperature on Cylindrospermopsis raciborskii (Cyanobacteria) with straight and coiled trichomes: growth rate and morphology. Brazilian Journal of Biology, 2012, 72, 343-351.	0.9	23
28	Increase in Straight and Coiled Cylindrospermopsis raciborskii (Cyanobacteria) Populations under Conditions of Thermal De-Stratification in a Shallow Tropical Reservoir. Journal of Water Resource and Protection, 2011, 03, 245-252.	0.8	22
29	Effects of increased zooplankton biomass on phytoplankton and cyanotoxins: A tropical mesocosm study. Harmful Algae, 2018, 71, 10-18.	4.8	21
30	Response of Microcystis aeruginosa BCCUSP 232 to barley (Hordeum vulgare L.) straw degradation extract and fractions. Science of the Total Environment, 2017, 599-600, 1837-1847.	8.0	20
31	Selective membrane permeability and peroxidase activity response of lettuce and arugula irrigated with cyanobacterial-contaminated water. Environmental Earth Sciences, 2015, 74, 1547-1553.	2.7	19
32	Structure of the phytoplankton in a water supply system in the State of Pernambuco - Brazil. Brazilian Archives of Biology and Technology, 2007, 50, 645-654.	0.5	18
33	Effect of flavonoids isolated from Tridax procumbens on the growth and toxin production of Microcystis aeruginos. Aquatic Toxicology, 2019, 211, 81-91.	4.0	18
34	Biodiversidade e consideraÃ§Ãµes biogeogrÃ¡ficas das Cyanobacteria de uma Ã¡rea de Manguezal do Estado de Pernambuco, Brasil. Acta Botanica Brasilica, 2003, 17, 585-596.	0.8	17
35	Static electric fields interfere in the viability of cells exposed to ionising radiation. International Journal of Radiation Biology, 2009, 85, 314-321.	1.8	17
36	Phytoplankton abundance, dominance and coexistence in an eutrophic reservoir in the state of Pernambuco, Northeast Brazil. Anais Da Academia Brasileira De Ciencias, 2011, 83, 1313-1326.	0.8	17

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37	Seasonal dynamics of cyanobacteria in a eutrophic reservoir (Arcoverde) in a semi-arid region of Brazil. Brazilian Journal of Biology, 2012, 72, 533-544.	0.9	17
38	GEITLERINEMA SPECIES (OSCILLATORIALES, CYANOBACTERIA) REVEALED BY CELLULAR MORPHOLOGY, ULTRASTRUCTURE, AND DNA SEQUENCING¹. Journal of Phycology, 2009, 45, 716-725.	2.3	16
39	Growth and antioxidant response of Microcystis aeruginosa (Cyanobacteria) exposed to anatoxin-a. Harmful Algae, 2015, 49, 135-146.	4.8	16
40	Microcystinâ€producing genotypes from cyanobacteria in Brazilian reservoirs. Environmental Toxicology, 2012, 27, 461-471.	4.0	15
41	Does anatoxin-a influence the physiology of Microcystis aeruginosa and Acutodesmus acuminatus under different light and nitrogen conditions?. Environmental Science and Pollution Research, 2016, 23, 23092-23102.	5.3	15
42	Toxic Cyanobacteria in Four Brazilian Water Supply Reservoirs. Journal of Environmental Protection, 2012, 03, 68-73.	0.7	15
43	Cyanobacterial biodiversity of semiarid public drinking water supply reservoirs assessed via next-generation DNA sequencing technology. Journal of Microbiology, 2019, 57, 450-460.	2.8	14
44	Toxic cyanobacteria in reservoirs in northeastern Brazil: detection using a molecular method. Brazilian Journal of Biology, 2010, 70, 1005-1010.	0.9	13
45	Study of metals transfer from environment using teeth as biomonitor. Environment International, 2010, 36, 243-246.	10.0	12
46	The effect of saxitoxin and non-saxitoxin extracts of Cylindrospermopsis raciborskii (Cyanobacteria) on cyanobacteria and green microalgae. Journal of Applied Phycology, 2016, 28, 241-250.	2.8	12
47	HIP1 DNA fingerprinting in Microcystis panniformis (Chroococcales, Cyanobacteria). Phycologia, 2007, 46, 3-9.	1.4	11
48	Active release of microcystins controlled by an endogenous rhythm in the cyanobacterium <scp>M</scp>icrocystis aeruginosa. Phycological Research, 2013, 61, 1-6.	1.6	11
49	Taxonomic investigation using DNA fingerprinting in Geitlerinema species (Oscillatoriales,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.6	10
50	Structure and dynamics of phytoplankton community in the Botafogo reservoir-Pernambuco-Brazil. Brazilian Archives of Biology and Technology, 2009, 52, 493-501.	0.5	10
51	Effect of ultraviolet radiation (type B) and titanium dioxide nanoparticles on the interspecific interaction between Microcystis flos-aquae and Pseudokirchneriella subcapitata. Science of the Total Environment, 2021, 779, 146561.	8.0	10
52	Genetic polymorphism in brazilian microcystis spp. (Cyanobacteria) toxic and non-toxic through RFLP-PCR of the cpcBA-IGS. Brazilian Archives of Biology and Technology, 2009, 52, 901-909.	0.5	9
53	Benthic Bacillariophyta of the Paripe River estuary in Pernambuco state, Brazil. Brazilian Journal of Biology, 2007, 67, 393-401.	0.9	8
54	The role played by endogenous and exogenous electric fields in DNA signaling and repair. DNA Repair, 2010, 9, 356-357.	2.8	8

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55	Phylogenetic study of <scp>G</scp>eitlerinema and <scp>M</scp>icrocystis (<scp>C</scp>yanobacteria) using <scp>PC</scp>â€<scp>IGS</scp> and 16Sâ€“23S <scp>ITS</scp> as markers: investigation of horizontal gene transfer. Journal of Phycology, 2014, 50, 736-743.	2.3	8
56	Effects of zooplankton and nutrients on phytoplankton: an experimental analysis in a eutrophic tropical reservoir. Marine and Freshwater Research, 2017, 68, 1061.	1.3	7
57	Characterization of allelochemicals from Pistia stratiotes extracts and their effects on the growth and physiology of Microcystis aeruginosa. Environmental Science and Pollution Research, 2021, 28, 57248-57259.	5.3	7
58	Efeito das variÃ¡veis abiÃ³ticas e do fitoplÂ¢ncton sobre a comunidade zooplanctÃ´nica em um reservatÃ³rio do Nordeste brasileiro. Iheringia - Serie Zoologia, 2009, 99, 132-141.	0.5	7
59	Sustainable production of biodiesel by microalgae and its application in agriculture. African Journal of Microbiology Research, 2011, 5, .	0.4	7
60	Evaluation of uranium incorporation from contaminated areas using teeth as bioindicators--a case study. Radiation Protection Dosimetry, 2007, 130, 249-252.	0.8	6
61	Spatial-temporal variation in coiled and straight morphotypes of Cylindrospermopsis raciborskii (Wolsz) Seenayya et Subba Raju (Cyanobacteria). Acta Botanica Brasilica, 2010, 24, 585-591.	0.8	6
62	The presence of microcystins in the coastal waters of Nigeria, from the Bights of Bonny and Benin, Gulf of Guinea. Environmental Science and Pollution Research, 2020, 27, 35284-35293.	5.3	6
63	Biomonitoring of microcystin and aflatoxin co-occurrence in aquaculture using immunohistochemistry and genotoxicity assays. Brazilian Archives of Biology and Technology, 2012, 55, 151-159.	0.5	5
64	Vertical and temporal variation in phytoplankton assemblages correlated with environmental conditions in the MundaÃº reservoir, semi-arid northeastern Brazil. Brazilian Journal of Biology, 2014, 74, S093-S102.	0.9	5
65	Draft Genome Sequence of Cylindrospermopsis raciborskii (Cyanobacteria) Strain ITEP-A1 Isolated from a Brazilian Semiarid Freshwater Body: Evidence of Saxitoxin and Cylindrospermopsin Synthetase Genes. Genome Announcements, 2016, 4, .	0.8	5
66	Allelopathic interactions between phytoplankton species alter toxin production, oxidative response, and nitrogen fixation. Hydrobiologia, 2021, 848, 4623-4635.	2.0	5
67	Insights into the impact of increasing temperature, light intensity, and UV-B exposure on the circadian rhythm of microcystin production and release, and the expression of mcy genes in the cyanobacterium Microcystis aeruginosa. Journal of Applied Phycology, 2022, 34, 231-242.	2.8	5
68	Assessment of microcystins in surface water and irrigated vegetables in Kwaru stream, Hayin Danmani, Kaduna-Nigeria. Environmental Science and Pollution Research, 2022, 29, 78303-78313.	5.3	5
69	Co-occurrence of Cylindrospermopsis raciborskii (Woloszynska) Seenaya & Subba Raju and Microcystis panniformis KomÃ¡rek et al. in MundaÃº reservoir, a semiarid Brazilian ecosystem. Acta Limnologica Brasiliensia, 2015, 27, 322-329.	0.4	4
70	Sensitivity of salad greens (Lactuca sativa L. and Eruca sativa Mill.) exposed to crude extracts of toxic and non-toxic cyanobacteria. Brazilian Journal of Biology, 2015, 75, 273-278.	0.9	3
71	DNA damages induced by both endotoxin and exotoxin produced by cyanobacteria.. Chemosphere, 2020, 254, 126716.	8.2	3
72	Moringaâ€Seedâ€Based Coagulant Removes Microcystins Dissolved in Water. Clean - Soil, Air, Water, 2019, 47, 1800465.	1.1	2

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73	Structure and dynamics of phytoplankton in an Amazon lake, Brazil. Revista De Biologia Tropical, 2010, 58, 1421-36.	0.4	2
74	Semi-Quantitative PCR for Quantification of Hepatotoxic Cyanobacteria. Journal of Environmental Protection, 2012, 03, 426-430.	0.7	1
75	Planktonic Cyanobacteria forming blooms in reservoirs of northeastern Brazil. Revista Brasileirade Ciencias Agrarias, 2013, 8, 662-668.	0.2	1
76	Draft genome sequence of the cyanobacterium Sphaerospermopsis aphanizomenoides BCCUSP55 from the Brazilian semiarid region reveals potential for anti-cancer applications. Archives of Microbiology, 2022, 204, 4.	2.2	0