

Maranda Esterhuizen-Londt

List of Publications by Year in descending order

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49
papers

1,267
citations

361413
20
h-index

377865
34
g-index

51
all docs

51
docs citations

51
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	β -N-methylamino-l-alanine (BMAA) in novel South African cyanobacterial isolates. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 309-313.	6.0	163
2	Still challenging: the ecological function of the cyanobacterial toxin microcystin – What we know so far. <i>Toxin Reviews</i> , 2018, 37, 87-105.	3.4	87
3	The Influence of New and Artificial Aged Microplastic and Leachates on the Germination of <i>Lepidium sativum</i> L.. <i>Plants</i> , 2020, 9, 339.	3.5	79
4	Assessment of microplastic pollution: occurrence and characterisation in Vesijärvi lake and Pikku Vesijärvi pond, Finland. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 652.	2.7	74
5	Distinguishing the cyanobacterial neurotoxin β -N-methylamino-l-alanine (BMAA) from its structural isomer 2,4-diaminobutyric acid (2,4-DAB). <i>Toxicon</i> , 2010, 56, 868-879.	1.6	63
6	Self-contamination from clothing in microplastics research. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110036.	6.0	60
7	Pharmaceutical Pollution in Aquatic Environments: A Concise Review of Environmental Impacts and Bioremediation Systems. <i>Frontiers in Microbiology</i> , 2022, 13, 869332.	3.5	58
8	Ageing affects microplastic toxicity over time: Effects of aged polycarbonate on germination, growth, and oxidative stress of <i>Lepidium sativum</i> . <i>Science of the Total Environment</i> , 2021, 790, 148166.	8.0	53
9	Rise of toxic cyanobacterial blooms in temperate freshwater lakes: causes, correlations and possible countermeasures. <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 543-577.	1.2	52
10	The effect of β -N-methylamino-l-alanine (BMAA) on oxidative stress response enzymes of the macrophyte <i>Ceratophyllum demersum</i> . <i>Toxicon</i> , 2011, 57, 803-810.	1.6	45
11	β -N-Methylamino-l-alanine (BMAA) uptake by the aquatic macrophyte <i>Ceratophyllum demersum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 74-77.	6.0	36
12	Using aquatic fungi for pharmaceutical bioremediation: Uptake of acetaminophen by <i>Mucor hiemalis</i> does not result in an enzymatic oxidative stress response. <i>Fungal Biology</i> , 2016, 120, 1249-1257.	2.5	36
13	Effects of polypropylene, polyvinyl chloride, polyethylene terephthalate, polyurethane, high-density polyethylene, and polystyrene microplastic on <i>Nelumbo nucifera</i> (Lotus) in water and sediment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 17580-17590.	5.3	34
14	β -N-methylamino-l-alanine (BMAA) uptake by the animal model, <i>Daphnia magna</i> and subsequent oxidative stress. <i>Toxicon</i> , 2015, 100, 20-26.	1.6	30
15	The effect of oxytetracycline on physiological and enzymatic defense responses in aquatic plant species <i>Egeria densa</i> , <i>Azolla caroliniana</i> , and <i>Taxiphyllum barbieri</i> . <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 104-116.	1.2	29
16	<i>Enchytraeus crypticus</i> Avoid Soil Spiked with Microplastic. <i>Toxics</i> , 2020, 8, 10.	3.7	29
17	Microplastics Exposure Causes Negligible Effects on the Oxidative Response Enzymes Glutathione Reductase and Peroxidase in the Oligochaete <i>Tubifex tubifex</i> . <i>Toxics</i> , 2020, 8, 14.	3.7	26
18	Mycoremediation of diclofenac using <i>Mucor hiemalis</i> . <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 795-808.	1.2	24

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19	Oxidative stress responses in the animal model, <i>Daphnia pulex</i> exposed to a natural bloom extract versus artificial cyanotoxin mixtures. <i>Aquatic Toxicology</i> , 2016, 179, 151-157.	4.0	23
20	Antioxidative stress responses in the floating macrophyte <i>Lemna minor</i> L. with cylindrospermopsin exposure. <i>Aquatic Toxicology</i> , 2015, 169, 188-195.	4.0	21
21	Phytoremediation: green technology for the removal of mixed contaminants of a water supply reservoir. <i>International Journal of Phytoremediation</i> , 2019, 21, 372-379.	3.1	21
22	Vegetables cultivated with exposure to pure and naturally occurring Î ² -N-methylamino-L-alanine (BMAA) via irrigation. <i>Environmental Research</i> , 2019, 169, 357-361.	7.5	17
23	LC-MS/MS method development for quantitative analysis of acetaminophen uptake by the aquatic fungus <i>Mucor hiemalis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 230-235.	6.0	15
24	Responses of the antioxidative and biotransformation enzymes in the aquatic fungus <i>Mucor hiemalis</i> exposed to cyanotoxins. <i>Biotechnology Letters</i> , 2017, 39, 1201-1209.	2.2	14
25	In vivo oxidative stress responses of the freshwater basket clam <i>Corbicula javanicus</i> to microplastic fibres and particles. <i>Chemosphere</i> , 2022, 296, 134037.	8.2	14
26	Reactive Oxygen Species in the Adverse Outcome Pathway Framework: Toward Creation of Harmonized Consensus Key Events. <i>Frontiers in Toxicology</i> , 0, 4, .	3.1	14
27	Uptake and biotransformation of pure commercial microcystin-LR versus microcystin-LR from a natural cyanobacterial bloom extract in the aquatic fungus <i>Mucor hiemalis</i> . <i>Biotechnology Letters</i> , 2017, 39, 1537-1545.	2.2	12
28	Protein association of Î ² -N-methylamino-L-alanine in <i>Triticum aestivum</i> via irrigation. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 732-740.	2.3	12
29	Mycoremediation of acetaminophen: Culture parameter optimization to improve efficacy. <i>Chemosphere</i> , 2021, 263, 128117.	8.2	12
30	Î ² -N-methylamino-L-alanine (BMAA) metabolism in the aquatic macrophyte <i>Ceratophyllum demersum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 88-92.	6.0	11
31	Reviewing Interspecies Interactions as a Driving Force Affecting the Community Structure in Lakes via Cyanotoxins. <i>Microorganisms</i> , 2021, 9, 1583.	3.6	11
32	Interspecies interactions between <i>Microcystis aeruginosa</i> PCC 7806 and <i>Desmodesmus subspicatus</i> SAG 86.81 in a co-cultivation system at various growth phases. <i>Environment International</i> , 2019, 131, 105052.	10.0	10
33	Development and validation of an in-house quantitative analysis method for cylindrospermopsin using hydrophilic interaction liquid chromatography-tandem mass spectrometry: Quantification demonstrated in 4 aquatic organisms. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2878-2883.	4.3	9
34	Case Study Comparing Effects of Microplastic Derived from Bottle Caps Collected in Two Cities on <i>Triticum aestivum</i> (Wheat). <i>Environments - MDPI</i> , 2021, 8, 64.	3.3	9
35	Physiological responses of <i>Cladophora glomerata</i> to cyanotoxins: a potential new phytoremediation species for the Green Liver Systems. <i>Toxicological and Environmental Chemistry</i> , 2016, 98, 241-259.	1.2	8
36	Uptake, Growth, and Pigment Changes in <i>Lemna minor</i> L. Exposed to Environmental Concentrations of Cylindrospermopsin. <i>Toxins</i> , 2019, 11, 650.	3.4	8

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37	Fate of Enrofloxacin in Lake Sediment: Biodegradation, Transformation Product Identification, and Ecotoxicological Implications. <i>Soil and Sediment Contamination</i> , 2018, 27, 357-368.	1.9	6
38	<i>Desmodesmus subspicatus</i> co-cultured with microcystin producing (PCC 7806) and the non-producing (PCC 7005) strains of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology</i> , 2019, 28, 834-842.	2.4	6
39	Uptake and Effects of Cylindrospermopsin: Biochemical, Physiological and Biometric Responses in The Submerged Macrophyte <i>Egeria densa</i> Planch. <i>Water (Switzerland)</i> , 2020, 12, 2997.	2.7	6
40	Inability to detect free cylindrospermopsin in spiked aquatic organism extracts plausibly suggests protein binding. <i>Toxicon</i> , 2016, 122, 89-93.	1.6	4
41	Toxicity and Toxin Composition of <i>Microcystis aeruginosa</i> from Wangsong Reservoir. <i>Toxicology and Environmental Health Sciences</i> , 2018, 10, 179-185.	2.1	4
42	Translocation of the cyanobacterial toxin microcystin-LR into guttation drops of <i>Triticum aestivum</i> and remaining toxicity. <i>Environmental Pollution</i> , 2019, 253, 61-67.	7.5	4
43	Large-Scale Green Liver System for Sustainable Purification of Aquacultural Wastewater: Construction and Case Study in a Semiarid Area of Brazil (Itacuruba, Pernambuco) Using the Naturally Occurring Cyanotoxin Microcystin as Efficiency Indicator. <i>Toxins</i> , 2020, 12, 688.	3.4	4
44	Fungal pellets as potential tools to control water pollution: Strategic approach for the pelletization and subsequent microcystin-LR uptake by <i>Mucor hiemalis</i> . <i>Journal of Applied Biology & Biotechnology</i> , 0, , .	1.1	4
45	Report of the 1st and 2nd Mystery of Reactive Oxygen Species Conferences. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, 39, 336-338.	1.5	4
46	Solid phase extraction of β -N-methylamino-L-alanine (BMAA) from South African water supplies. <i>Water S A</i> , 2011, 37, .	0.4	3
47	Microcystins as environmental and human health hazards. , 2020, , 591-604.		1
48	Bioavailability of microcystin-LR in two different soil types to the legume Alfalfa <i>Medicago sativa</i> L.. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 3845.	3.5	1
49	Photocatalytic degradation of microcystin-LR by modified high-energy {001} titanium dioxide: Kinetics and mechanism study of HF8. <i>SDRP Journal of Earth Sciences & Environmental Studies</i> , 2018, 3, 1-10.	0.1	1