

Zakaria A Mohamed

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,739
citations

257450

24
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of microcystins in the freshwater fish <i>Oreochromis niloticus</i> in an Egyptian fish farm containing a <i>Microcystis</i> bloom. <i>Environmental Toxicology</i> , 2003, 18, 137-141.	4.0	181
2	Microcystins in groundwater wells and their accumulation in vegetable plants irrigated with contaminated waters in Saudi Arabia. <i>Journal of Hazardous Materials</i> , 2009, 172, 310-315.	12.4	119
3	Microcystin production in benthic mats of cyanobacteria in the Nile River and irrigation canals, Egypt. <i>Toxicon</i> , 2006, 47, 584-590.	1.6	106
4	Removal of cadmium and manganese by a non-toxic strain of the freshwater cyanobacterium <i>Gloeotheca magna</i> . <i>Water Research</i> , 2001, 35, 4405-4409.	11.3	93
5	Macrophytes-cyanobacteria allelopathic interactions and their implications for water resources management—A review. <i>Limnologia</i> , 2017, 63, 122-132.	1.5	89
6	Polysaccharides as a protective response against microcystin-induced oxidative stress in <i>Chlorella vulgaris</i> and <i>Scenedesmus quadricauda</i> and their possible significance in the aquatic ecosystem. <i>Ecotoxicology</i> , 2008, 17, 504-516.	2.4	88
7	Growth inhibition of the cyanobacterium <i>Microcystis aeruginosa</i> and degradation of its microcystin toxins by the fungus <i>Trichoderma citrinoviride</i> . <i>Toxicon</i> , 2014, 86, 51-58.	1.6	73
8	Toxic cyanobacteria and cyanotoxins in public hot springs in Saudi Arabia. <i>Toxicon</i> , 2008, 51, 17-27.	1.6	71
9	Occurrence of cyanobacteria and microcystin toxins in raw and treated waters of the Nile River, Egypt: implication for water treatment and human health. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11716-11727.	5.3	66
10	First report of toxic <i>Cylindrospermopsis raciborskii</i> and <i>Raphidiopsis mediterranea</i> (Cyanoprokaryota) in Egyptian fresh waters. <i>FEMS Microbiology Ecology</i> , 2007, 59, 749-761.	2.7	64
11	Accumulation of Cyanobacterial Hepatotoxins by <i>Daphnia</i> in Some Egyptian Irrigation Canals. <i>Ecotoxicology and Environmental Safety</i> , 2001, 50, 4-8.	6.0	59
12	Microcystin Concentrations in the Nile River Sediments and Removal of Microcystin-LR by Sediments During Batch Experiments. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 489-495.	4.1	50
13	Depuration of microcystins in tilapia fish exposed to natural populations of toxic cyanobacteria: A laboratory study. <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 424-429.	6.0	43
14	Differential Responses of Epiphytic and Planktonic Toxic Cyanobacteria to Allelopathic Substances of the Submerged Macrophyte <i>Stratiotes aloides</i> . <i>International Review of Hydrobiology</i> , 2010, 95, 224-234.	0.9	38
15	Biodegradation of cylindrospermopsin toxin by microcystin-degrading bacteria isolated from cyanobacterial blooms. <i>Toxicon</i> , 2012, 60, 1390-1395.	1.6	38
16	Assessment of cylindrospermopsin toxin in an arid Saudi lake containing dense cyanobacterial bloom. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2157-2166.	2.7	38
17	Potentially harmful microalgae and algal blooms in the Red Sea: Current knowledge and research needs. <i>Marine Environmental Research</i> , 2018, 140, 234-242.	2.5	37
18	Allelopathic activity of <i>Spirogyra</i> sp.: stimulating bloom formation and toxin production by <i>Oscillatoria agardhii</i> in some irrigation canals, Egypt. <i>Journal of Plankton Research</i> , 2002, 24, 137-141.	1.8	36

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19	Grazing on <i>Microcystis aeruginosa</i> and degradation of microcystins by the heterotrophic flagellate <i>Diphyllia rotans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013, 96, 48-52.	6.0	34
20	Cyanobacteria and their toxins in treated-water storage reservoirs in Abha city, Saudi Arabia. <i>Toxicon</i> , 2007, 50, 75-84.	1.6	31
21	Microcystin-producing blooms of <i>Anabaenopsis arnoldi</i> in a potable mountain lake in Saudi Arabia. <i>FEMS Microbiology Ecology</i> , 2009, 69, 98-105.	2.7	30
22	Microcystin production in epiphytic cyanobacteria on submerged macrophytes. <i>Toxicon</i> , 2010, 55, 1346-1352.	1.6	28
23	Biodiversity and toxin production of cyanobacteria in mangrove swamps in the Red Sea off the southern coast of Saudi Arabia. <i>Botanica Marina</i> , 2015, 58, 23-34.	1.2	25
24	Breakthrough of <i>Oscillatoria limnetica</i> and microcystin toxins into drinking water treatment plants – examples from the Nile River, Egypt. <i>Water S A</i> , 2016, 42, 161.	0.4	23
25	Selective inhibition of toxic cyanobacteria by β -carboline-containing bacterium <i>Bacillus flexus</i> isolated from Saudi freshwaters. <i>Saudi Journal of Biological Sciences</i> , 2013, 20, 357-363.	3.8	22
26	Concentrations of cylindrospermopsin toxin in water and tilapia fish of tropical fishponds in Egypt, and assessing their potential risk to human health. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36287-36297.	5.3	22
27	Impacts of Microcystins on Morphological and Physiological Parameters of Agricultural Plants: A Review. <i>Plants</i> , 2021, 10, 639.	3.5	21
28	Detection of free and bound microcystins in tilapia fish from Egyptian fishpond farms and its related public health risk assessment. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2020, 15, 37-47.	1.4	18
29	Fungal biodegradation and removal of cyanobacteria and microcystins: potential applications and research needs. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37041-37050.	5.3	18
30	Occurrence of toxic cyanobacteria and microcystin toxin in domestic water storage reservoirs, Egypt. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 431-440.	1.4	16
31	Allelopathic activity of the norharmone-producing cyanobacterium <i>Synechocystis aquatilis</i> against cyanobacteria and microalgae. <i>Oceanological and Hydrobiological Studies</i> , 2013, 42, 1-7.	0.7	15
32	Grazing of the copepod <i>Cyclops vicinus</i> on toxic <i>Microcystis aeruginosa</i> : potential for controlling cyanobacterial blooms and transfer of toxins. <i>Oceanological and Hydrobiological Studies</i> , 2018, 47, 296-302.	0.7	13
33	The link between microcystin levels in groundwater and surface Nile water, and assessing their potential risk to human health. <i>Journal of Contaminant Hydrology</i> , 2022, 244, 103921.	3.3	11
34	Title is missing!. <i>Water Resources Management</i> , 2001, 15, 213-221.	3.9	9
35	Mass occurrence and toxicity of the cyanobacterium <i>Lyngbya majuscula</i> under phosphorus-limited conditions in the Red Sea. <i>Ecohydrology and Hydrobiology</i> , 2007, 7, 51-57.	2.3	9
36	Growth inhibition of <i>Microcystis aeruginosa</i> and adsorption of microcystin toxin by the yeast <i>Aureobasidium pullulans</i> , with no effect on microalgae. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38038-38046.	5.3	9

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37	Formulation of mint and thyme essential oils with Arabic gum and Tween to enhance their efficiency in the control of postharvest rots of peach fruit. <i>Canadian Journal of Plant Pathology</i> , 2020, 42, 330-343.	1.4	8
38	Bioavailability of bound microcystins in mice orally fed with contaminated tilapia edible tissues: Implications to human health. <i>Toxicon</i> , 2018, 151, 34-36.	1.6	6
39	Simultaneous biodegradation of harmful <i>Cylindrospermopsis raciborskii</i> and cylindrospermopsin toxin in batch culture by single <i>Bacillus</i> strain. <i>Environmental Science and Pollution Research</i> , 2022, 29, 5153-5161.	5.3	6
40	Growth inhibition and microcystin accumulation in bush bean (<i>Phaseolus vulgaris</i> L.) plant irrigated with water containing toxic <i>Chroococcus minutus</i> . <i>Agricultural Water Management</i> , 2022, 261, 107381.	5.6	6
41	Cyanotoxins and their environmental health risk in marine and freshwaters of Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	4
42	Assessment of phytoplankton species in gut and feces of cultured tilapia fish in Egyptian fishponds: Implications for feeding and bloom control. <i>Acta Limnologica Brasiliensia</i> , 0, 31, .	0.4	4
43	ANTIMICROBIAL ACTIVITY OF AN EGYPTIAN MARINE CYANOBACTERIUM <i>LYNGBYA MAJUSCULA</i> GOMONT. <i>Egyptian Journal of Phycology</i> , 2002, 3, 84-91.	0.3	2
44	Cyanobacterial Toxins in Water Sources and Their Impacts on Human Health. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 0, , 120-149.	0.4	2
45	Growth inhibition of the toxic cyanobacterium <i>Cylindrospermopsis raciborskii</i> by extremely low-frequency electromagnetic fields. <i>Acta Botanica Croatica</i> , 2020, 79, 193-200.	0.7	1
46	Inhibitory effects of the brown macroalga <i>Turbinaria ornata</i> on cyst germination and progeny cells of five harmful dinoflagellate species. <i>Oceanologia</i> , 2021, 64, 63-63.	2.2	0
47	Cyanobacterial Toxins in Water Sources and Their Impacts on Human Health. , 2017, , 1428-1456.		0