

Barbara Pawlik-Skowronska

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,381
citations

23
h-index

35
g-index

57
ext. papers

1,579
ext. citations

4.1
avg. IF

4.84
L-index

#	Paper	IF	Citations
55	Synergistic toxicity of some cyanobacterial oligopeptides to physiological activities of <i>Daphnia magna</i> (Crustacea).. <i>Toxicon</i> , 2021 , 206, 74-74	2.8	1
54	Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. <i>Limnology and Oceanography</i> , 2021 , 66, 4314	4.8	2
53	Cyanobacterial anabaenopeptin-B, microcystins and their mixture cause toxic effects on the behavior of the freshwater crustacean <i>Daphnia magna</i> (Cladocera). <i>Toxicon</i> , 2021 , 198, 1-11	2.8	2
52	Do anthropogenic hydrological alterations in shallow lakes affect the dynamics of plankton?. <i>Ecological Indicators</i> , 2020 , 114, 106312	5.8	7
51	The Effects of Cyanobacterial Bloom Extracts on the Biomass, Chl-a, MC and Other Oligopeptides Contents in a Natural Population. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7
50	Enhanced Light-Induced Biosynthesis of Fatty Acids Suitable for Biodiesel Production by the Yellow-Green Alga <i>Eustigmatos magnus</i> . <i>Energies</i> , 2020 , 13, 6098	3.1	2
49	Early indicators of behavioral and physiological disturbances in <i>Daphnia magna</i> (Cladocera) induced by cyanobacterial neurotoxin anatoxin-a. <i>Science of the Total Environment</i> , 2019 , 695, 133913	10.2	16
48	Effects of secondary metabolites produced by different cyanobacterial populations on the freshwater zooplankters <i>Brachionus calyciflorus</i> and <i>Daphnia pulex</i> . <i>Environmental Science and Pollution Research</i> , 2019 , 26, 11793-11804	5.1	19
47	Environmental factors driving the occurrence of the invasive cyanobacterium <i>Sphaerospermopsis aphanizomenoides</i> (Nostocales) in temperate lakes. <i>Science of the Total Environment</i> , 2019 , 650, 1338-1347	10.2	16
46	Dynamics of small-sized Cladocera and their algal diet in lake with toxic cyanobacterial water blooms. <i>Annales De Limnologie</i> , 2018 , 54, 6	0.7	8
45	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018 , 10,	4.9	109
44	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018 , 5, 180226	8.2	15
43	Effects of <i>Arcella vulgaris</i> on microbial loop components of peat pools (an experimental approach). <i>Fundamental and Applied Limnology</i> , 2018 , 192, 103-113	1.9	1
42	Toxic oligopeptides in the cyanobacterium <i>Planktothrix agardhii</i> -dominated blooms and their effects on duckweed (Lemnaceae) development. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2018 , 41	1.4	3
41	Appendix 2: Cyanobacteria Associated With the Production of Cyanotoxins 2017 , 501-525		15
40	Anatoxin-a, Homoanatoxin-a, and Natural Analogues 2017 , 138-147		3
39	Effects of experimental addition of nitrogen and phosphorus on microbial and metazoan communities in a peatbog. <i>European Journal of Protistology</i> , 2017 , 59, 50-64	3.6	2

38	An experimental study on the influence of the bloom-forming alga <i>Gonyostomum semen</i> (Raphidophyceae) on cladoceran species <i>Daphnia magna</i> . <i>Knowledge and Management of Aquatic Ecosystems</i> , 2017 , 15	1.4	4
37	How to mitigate cyanobacterial blooms and cyanotoxin production in eutrophic water reservoirs?. <i>Hydrobiologia</i> , 2016 , 778, 45-59	2.4	12
36	Mass Development of Diazotrophic Cyanobacteria () and Production of Neurotoxic Anatoxin-a in a () Dominated Temperate Lake. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 321	2.6	17
35	Seasonal changes of phytoplankton and cyanobacteria/cyanotoxin risk in two shallow morphologically altered lakes: Effects of water level manipulation (Wieprz-Krzna Canal System, Eastern Poland). <i>Ecological Indicators</i> , 2016 , 66, 103-112	5.8	13
34	Parietin in the tolerant lichen <i>Xanthoria parietina</i> (L.) Th. Fr. increases protection of <i>Trebouxia</i> photobionts from cadmium excess. <i>Ecological Indicators</i> , 2015 , 58, 132-138	5.8	9
33	Development of toxin-producing cyanobacteria during the water level manipulation in a shallow heavily modified lake. <i>Oceanological and Hydrobiological Studies</i> , 2015 , 44, 223-235	0.8	3
32	Eutrophication of peatbogs: consequences of P and N enrichment for microbial and metazoan communities in mesocosm experiments. <i>Aquatic Microbial Ecology</i> , 2015 , 74, 121-141	1.1	16
31	Influence of photoperiods on the growth rate and biomass productivity of green microalgae. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 735-41	3.7	108
30	Adaptation strategies of two closely related <i>Desmodesmus armatus</i> (green alga) strains contained different amounts of cadmium: a study with light-induced synchronized cultures of algae. <i>Journal of Plant Physiology</i> , 2014 , 171, 69-77	3.6	16
29	Accumulation and effects of cyanobacterial microcystins and anatoxin-a on benthic larvae of <i>Chironomus</i> spp. (Diptera: Chironomidae). <i>European Journal of Entomology</i> , 2014 , 111, 83-90		31
28	Genetic and morphological characteristics of two ecotypes of <i>Eustigmatos calaminaris</i> sp. nov. (Eustigmatophyceae) inhabiting Zn- and Pb-loaded calamine mine spoils.. <i>Fottea</i> , 2014 , 14, 1-13	1.6	18
27	Differences in Zn and Pb resistance of two ecotypes of the microalga <i>Eustigmatos</i> sp. inhabiting metal loaded calamine mine spoils. <i>Journal of Applied Phycology</i> , 2013 , 25, 277-284	3.2	6
26	Diversity of algal communities in acid mine drainages of different physico-chemical properties. <i>Nova Hedwigia</i> , 2013 , 97, 117-137	1.3	5
25	Cyanotoxin diversity and food web bioaccumulation in a reservoir with decreasing phosphorus concentrations and perennial cyanobacterial blooms. <i>Harmful Algae</i> , 2013 , 28, 118-125	5.3	25
24	Simultaneous accumulation of anatoxin-a and microcystins in three fish species indigenous to lakes affected by cyanobacterial blooms. <i>Oceanological and Hydrobiological Studies</i> , 2012 , 41, 53-65	0.8	25
23	Effects of microcystin-containing cyanobacterial extract on hematological and biochemical parameters of common carp (<i>Cyprinus carpio</i> L.). <i>Fish Physiology and Biochemistry</i> , 2012 , 38, 1159-1167	2.7	17
22	Blooms of toxin-producing Cyanobacteria a real threat in small dam reservoirs at the beginning of their operation. <i>Oceanological and Hydrobiological Studies</i> , 2011 , 40, 30-37	0.8	17
21	Response of two terrestrial green microalgae (Chlorophyta, Trebouxiophyceae) isolated from Cu-rich and unpolluted soils to copper stress. <i>Environmental Pollution</i> , 2010 , 158, 2778-85	9.3	40

20	Toxicity of cyanobacterial bloom in the eutrophic dam reservoir (Southeast Poland). <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 556-60	3.8	14
19	Chapter 12 Lichens and metals. <i>British Mycological Society Symposia Series</i> , 2008 , 27, 175-200		29
18	Replacement of chroococcales and nostocales by oscillatoriales caused a significant increase in microcystin concentrations in a dam reservoir. <i>Oceanological and Hydrobiological Studies</i> , 2008 , 37, 23-33 ^{0.8}	0.8	14
17	Epiphytic algae on <i>Stratiotes aloides</i> L., <i>Potamogeton lucens</i> L., <i>Ceratophyllum demersum</i> L. and <i>Chara</i> spp. in a macrophyte-dominated lake. <i>Oceanological and Hydrobiological Studies</i> , 2008 , 37, 51-63	0.8	26
16	Soil algal communities inhabiting zinc and lead mine spoils. <i>Journal of Applied Phycology</i> , 2008 , 20, 341-348	3.8	23
15	Response to copper and cadmium stress in wild-type and copper tolerant strains of the lichen alga <i>Trebouxia erici</i> : metal accumulation, toxicity and non-protein thiols. <i>Plant Growth Regulation</i> , 2007 , 52, 17-27	3.2	33
14	Concentrations of phytochelatin and glutathione found in natural assemblages of seaweeds depend on species and metal concentrations of the habitat. <i>Aquatic Toxicology</i> , 2007 , 83, 190-9	5.1	78
13	Response to copper stress in aposymbiotically grown lichen mycobiont <i>Cladonia cristatella</i> : uptake, viability, ergosterol and production of non-protein thiols. <i>Mycological Research</i> , 2006 , 110, 994-9		28
12	Differential responses to Cr(VI)-induced oxidative stress between Cr-tolerant and wild-type strains of <i>Scenedesmus acutus</i> (Chlorophyceae). <i>Aquatic Toxicology</i> , 2006 , 79, 132-9	5.1	29
11	Cellular mechanisms of Cu-tolerance in the epilithic lichen <i>Lecanora polytropa</i> growing at a copper mine. <i>Lichenologist</i> , 2006 , 38, 267-275	1.1	40
10	Cadmium distribution and effects on ultrastructure and chlorophyll status in photobionts and mycobionts of <i>Xanthoria parietina</i> . <i>Microscopy Research and Technique</i> , 2005 , 66, 229-38	2.8	30
9	Cadmium tolerance, cysteine and thiol peptide levels in wild type and chromium-tolerant strains of <i>Scenedesmus acutus</i> (Chlorophyceae). <i>Aquatic Toxicology</i> , 2004 , 68, 315-315	5.1	
8	Cadmium tolerance, cysteine and thiol peptide levels in wild type and chromium-tolerant strains of <i>Scenedesmus acutus</i> (Chlorophyceae). <i>Aquatic Toxicology</i> , 2004 , 68, 315-23	5.1	36
7	Resistance, accumulation and allocation of zinc in two ecotypes of the green alga <i>Stigeoclonium tenue</i> Kütz. coming from habitats of different heavy metal concentrations. <i>Aquatic Botany</i> , 2003 , 75, 189-198	1.8	49
6	When adapted to high zinc concentrations the periphytic green alga <i>Stigeoclonium tenue</i> produces high amounts of novel phytochelatin-related peptides. <i>Aquatic Toxicology</i> , 2003 , 62, 155-63	5.1	57
5	Lichens respond to heavy metals by phytochelatin synthesis. <i>New Phytologist</i> , 2002 , 156, 95-102	9.8	60
4	Correlations between toxic Pb effects and production of Pb-induced thiol peptides in the microalga <i>Stichococcus bacillaris</i> . <i>Environmental Pollution</i> , 2002 , 119, 119-27	9.3	71
3	Phytochelatin production in freshwater algae <i>Stigeoclonium</i> in response to heavy metals contained in mining water; effects of some environmental factors. <i>Aquatic Toxicology</i> , 2001 , 52, 241-9	5.1	77

2	Relationships between acid-soluble thiol peptides and accumulated Pb in the green alga <i>Stichococcus bacillaris</i> . <i>Aquatic Toxicology</i> , 2000 , 50, 221-230	5.1	51
1	The impact of inorganic tin on the planktonic cyanobacterium <i>Synechocystis aquatilis</i> : the effect of pH and humic acid. <i>Environmental Pollution</i> , 1997 , 97, 65-9	9.3	23