Barbara Pawlik-Skowronska

List of Publications by Citations

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	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. *Toxins*, **2018**, 10,	4.9	109
54	Influence of photoperiods on the growth rate and biomass productivity of green microalgae. *Bioprocess and Biosystems Engineering*, **2014**, 37, 735-41	3.7	108
53	Concentrations of phytochelatins and glutathione found in natural assemblages of seaweeds depend on species and metal concentrations of the habitat. *Aquatic Toxicology*, **2007**, 83, 190-9	5.1	78
52	Phytochelatin production in freshwater algae Stigeoclonium in response to heavy metals contained in mining water; effects of some environmental factors. *Aquatic Toxicology*, **2001**, 52, 241-9	5.1	77
51	Correlations between toxic Pb effects and production of Pb-induced thiol peptides in the microalga Stichococcus bacillaris. *Environmental Pollution*, **2002**, 119, 119-27	9.3	71
50	Lichens respond to heavy metals by phytochelatin synthesis. *New Phytologist*, **2002**, 156, 95-102	9.8	60
49	When adapted to high zinc concentrations the periphytic green alga Stigeoclonium tenue produces high amounts of novel phytochelatin-related peptides. *Aquatic Toxicology*, **2003**, 62, 155-63	5.1	57
48	Relationships between acid-soluble thiol peptides and accumulated Pb in the green alga Stichococcus bacillaris. *Aquatic Toxicology*, **2000**, 50, 221-230	5.1	51
47	Resistance, accumulation and allocation of zinc in two ecotypes of the green alga Stigeoclonium tenue Kütz. coming from habitats of different heavy metal concentrations. *Aquatic Botany*, **2003**, 75, 189-198	1.8	49
46	Response of two terrestrial green microalgae (Chlorophyta, Trebouxiophyceae) isolated from Cu-rich and unpolluted soils to copper stress. *Environmental Pollution*, **2010**, 158, 2778-85	9.3	40
45	Cellular mechanisms of Cu-tolerance in the epilithic lichen Lecanora polytropa growing at a copper mine. *Lichenologist*, **2006**, 38, 267-275	1.1	40
44	Cadmium tolerance, cysteine and thiol peptide levels in wild type and chromium-tolerant strains of Scenedesmus acutus (Chlorophyceae). *Aquatic Toxicology*, **2004**, 68, 315-23	5.1	36
43	Response to copper and cadmium stress in wild-type and copper tolerant strains of the lichen alga Trebouxia erici: metal accumulation, toxicity and non-protein thiols. *Plant Growth Regulation*, **2007**, 52, 17-27	3.2	33
42	Accumulation and effects of cyanobacterial microcystins and anatoxin-a on benthic larvae of Chironomus spp. (Diptera: Chironomidae). *European Journal of Entomology*, **2014**, 111, 83-90		31
41	Cadmium distribution and effects on ultrastructureand chlorophyll status in photobionts and mycobionts of Xanthoria parietina. *Microscopy Research and Technique*, **2005**, 66, 229-38	2.8	30
40	Chapter 12 Lichens and metals. *British Mycological Society Symposia Series*, **2008**, 27, 175-200		29
39	Differential responses to Cr(VI)-induced oxidative stress between Cr-tolerant and wild-type strains of Scenedesmus acutus (Chlorophyceae). *Aquatic Toxicology*, **2006**, 79, 132-9	5.1	29

38	Response to copper stress in aposymbiotically grown lichen mycobiont Cladonia cristatella: uptake, viability, ergosterol and production of non-protein thiols. *Mycological Research*, **2006**, 110, 994-9		28
37	Epiphytic algae on Stratiotes aloides L., Potamogeton lucens L., Ceratophyllum demersum L. and Chara spp. in a macrophyte-dominated lake. *Oceanological and Hydrobiological Studies*, **2008**, 37, 51-63	0.8	26
36	Cyanotoxin diversity and food web bioaccumulation in a reservoir with decreasing phosphorus concentrations and perennial cyanobacterial blooms. *Harmful Algae*, **2013**, 28, 118-125	5.3	25
35	Simultaneous accumulation of anatoxin-a and microcystins in three fish species indigenous to lakes affected by cyanobacterial blooms. *Oceanological and Hydrobiological Studies*, **2012**, 41, 53-65	0.8	25
34	The impact of inorganic tin on the planktonic cyanobacterium Synechocystis aquatilis: the effect of pH and humic acid. *Environmental Pollution*, **1997**, 97, 65-9	9.3	23
33	Soil algal communities inhabiting zinc and lead mine spoils. *Journal of Applied Phycology*, **2008**, 20, 341-348	3.1	23
32	Effects of secondary metabolites produced by different cyanobacterial populations on the freshwater zooplankters Brachionus calyciflorus and Daphnia pulex. *Environmental Science and Pollution Research*, **2019**, 26, 11793-11804	5.1	19
31	Genetic and morphological characteristics of two ecotypes of Eustigmatos calaminaris sp. nov. (Eustigmatophyceae) inhabiting Zn- and Pb-loaded calamine mine spoils.. *Fottea*, **2014**, 14, 1-13	1.6	18
30	Mass Development of Diazotrophic Cyanobacteria () and Production of Neurotoxic Anatoxin-a in a () Dominated Temperate Lake. *Water, Air, and Soil Pollution*, **2016**, 227, 321	2.6	17
29	Effects of microcystin-containing cyanobacterial extract on hematological and biochemical parameters of common carp (Cyprinus carpio L.). *Fish Physiology and Biochemistry*, **2012**, 38, 1159-1167	2.7	17
28	Blooms of toxin-producing Cyanobacteria – a real threat in small dam reservoirs at the beginning of their operation. *Oceanological and Hydrobiological Studies*, **2011**, 40, 30-37	0.8	17
27	Early indicators of behavioral and physiological disturbances in Daphnia magna (Cladocera) induced by cyanobacterial neurotoxin anatoxin-a. *Science of the Total Environment*, **2019**, 695, 133913	10.2	16
26	Adaptation strategies of two closely related Desmodesmus armatus (green alga) strains contained different amounts of cadmium: a study with light-induced synchronized cultures of algae. *Journal of Plant Physiology*, **2014**, 171, 69-77	3.6	16
25	Eutrophication of peatbogs: consequences of P and N enrichment for microbial and metazoan communities in mesocosm experiments. *Aquatic Microbial Ecology*, **2015**, 74, 121-141	1.1	16
24	Environmental factors driving the occurrence of the invasive cyanobacterium Sphaerospermopsis aphanizomenoides (Nostocales) in temperate lakes. *Science of the Total Environment*, **2019**, 650, 1338-1347	10.2	16
23	Appendix 2: Cyanobacteria Associated With the Production of Cyanotoxins **2017**, 501-525		15
22	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. *Scientific Data*, **2018**, 5, 180226	8.2	15
21	Toxicity of cyanobacterial bloom in the eutrophic dam reservoir (Southeast Poland). *Environmental Toxicology and Chemistry*, **2010**, 29, 556-60	3.8	14

20	Replacement of chroococcales and nostocales by oscillatoriales caused a significant increase in microcystin concentrations in a dam reservoir. *Oceanological and Hydrobiological Studies*, **2008**, 37, 23-33	0.8	14
19	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). *Ecological Indicators*, **2016**, 66, 103-112	5.8	13
18	How to mitigate cyanobacterial blooms and cyanotoxin production in eutrophic water reservoirs?. *Hydrobiologia*, **2016**, 778, 45-59	2.4	12
17	Parietin in the tolerant lichen Xanthoria parietina (L.) Th. Fr. increases protection of Trebouxia photobionts from cadmium excess. *Ecological Indicators*, **2015**, 58, 132-138	5.8	9
16	Dynamics of small-sized Cladocera and their algal diet in lake with toxic cyanobacterial water blooms. *Annales De Limnologie*, **2018**, 54, 6	0.7	8
15	Do anthropogenic hydrological alterations in shallow lakes affect the dynamics of plankton?. *Ecological Indicators*, **2020**, 114, 106312	5.8	7
14	The Effects of Cyanobacterial Bloom Extracts on the Biomass, Chl-a, MC and Other Oligopeptides Contents in a Natural Population. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	7
13	Differences in Zn and Pb resistance of two ecotypes of the microalga Eustigmatos sp. inhabiting metal loaded calamine mine spoils. *Journal of Applied Phycology*, **2013**, 25, 277-284	3.2	6
12	Diversity of algal communities in acid mine drainages of different physico-chemical properties. *Nova Hedwigia*, **2013**, 97, 117-137	1.3	5
11	An experimental study on the influence of the bloom-forming alga Gonyostomum semen (Raphidophyceae) on cladoceran species Daphnia magna. *Knowledge and Management of Aquatic Ecosystems*, **2017**, 15	1.4	4
10	Anatoxin-a, Homoanatoxin-a, and Natural Analogues **2017**, 138-147		3
9	Development of toxin-producing cyanobacteria during the water level manipulation in a shallow heavily modified lake. *Oceanological and Hydrobiological Studies*, **2015**, 44, 223-235	0.8	3
8	Toxic oligopeptides in the cyanobacterium Planktothrix agardhii-dominated blooms and their effects on duckweed (Lemnaceae) development. *Knowledge and Management of Aquatic Ecosystems*, **2018**, 41	1.4	3
7	Effects of experimental addition of nitrogen and phosphorus on microbial and metazoan communities in a peatbog. *European Journal of Protistology*, **2017**, 59, 50-64	3.6	2
6	Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. *Limnology and Oceanography*, **2021**, 66, 4314	4.8	2
5	Enhanced Light-Induced Biosynthesis of Fatty Acids Suitable for Biodiesel Production by the Yellow-Green Alga Eustigmatos magnus. *Energies*, **2020**, 13, 6098	3.1	2
4	Cyanobacterial anabaenopeptin-B, microcystins and their mixture cause toxic effects on the behavior of the freshwater crustacean Daphnia magna (Cladocera). *Toxicon*, **2021**, 198, 1-11	2.8	2
3	Synergistic toxicity of some cyanobacterial oligopeptides to physiological activities of Daphnia magna (Crustacea).. *Toxicon*, **2021**, 206, 74-74	2.8	1

2	Effects of Arcella vulgaris on microbial loop components of peat pools (an experimental approach). *Fundamental and Applied Limnology*, **2018**, 192, 103-113	1.9	1
1	Cadmium tolerance, cysteine and thiol peptide levels in wild type and chromium-tolerant strains of Scenedesmus acutus (Chlorophyceae). *Aquatic Toxicology*, **2004**, 68, 315-315	5.1	