

Hanna Mazur-Marzec

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.

84
papers

1,414
citations

23
h-index

33
g-index

88
ext. papers

1,801
ext. citations

4.5
avg, IF

4.79
L-index

#	Paper	IF	Citations
84	Pseudanabaena galeata CCNP1313 Biological Activity and Peptides Production. <i>Toxins</i> , 2022 , 14, 330	4.9	0
83	Calcium peroxide (CaO ₂) granules enclosed in fabrics as an alternative H ₂ O ₂ delivery system to combat <i>Microcystis</i> sp.. <i>Chemical Engineering Journal Advances</i> , 2022 , 11, 100318	3.6	
82	Characterization and Diversity of Microcystins Produced by Cyanobacteria from the Curonian Lagoon (SE Baltic Sea).. <i>Toxins</i> , 2021 , 13,	4.9	3
81	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
80	Antiviral Cyanometabolites-A Review. <i>Biomolecules</i> , 2021 , 11,	5.9	11
79	The Essentials of Marine Biotechnology. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	16
78	Presence of EN-methylamino-L-alanine in cyanobacteria and aquatic organisms from waters of Northern Poland; BMAA toxicity studies. <i>Toxicon</i> , 2021 , 194, 90-97	2.8	1
77	Competitive interactions as a mechanism for chemical diversity maintenance in <i>Nodularia spumigena</i> . <i>Scientific Reports</i> , 2021 , 11, 8970	4.9	2
76	Comparative characterization of two cyanobacteria strains of the order Spirulinales isolated from the Baltic Sea - polyphasic approach in practice. <i>Algal Research</i> , 2021 , 55, 102170	5	1
75	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. <i>Water Research</i> , 2021 , 196, 117017	12.5	37
74	Spatial and Temporal Diversity of Cyanometabolites in the Eutrophic Curonian Lagoon (SE Baltic Sea). <i>Water (Switzerland)</i> , 2021 , 13, 1760	3	2
73	Interplay of Nutrients, Temperature, and Competition of Native and Alien Cyanobacteria Species Growth and Cyanotoxin Production in Temperate Lakes. <i>Toxins</i> , 2021 , 13,	4.9	8
72	Harmful algal blooms and their effects in coastal seas of Northern Europe. <i>Harmful Algae</i> , 2021 , 102, 101989	5.3	31
71	Phytoplankton of the Curonian Lagoon as a New Interesting Source for Bioactive Natural Products. Special Impact on Cyanobacterial Metabolites. <i>Biomolecules</i> , 2021 , 11,	5.9	1
70	First report of saxitoxins and anatoxin-a production by cyanobacteria from Lithuanian lakes. <i>European Journal of Phycology</i> , 2020 , 55, 327-338	2.2	5
69	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	7
68	Characteristics of cyanobacterium <i>Pseudanabaena galeata</i> CCNP1313 from the Baltic Sea. <i>Algal Research</i> , 2020 , 47, 101861	5	7

67	Fragmentation mass spectra dataset of linear cyanopeptides - microginins. <i>Data in Brief</i> , 2020 , 31, 1058252		1
66	New microginins from cyanobacteria of Greek freshwaters. <i>Chemosphere</i> , 2020 , 248, 125961	8.4	14
65	Limited Microcystin, Anatoxin and Cylindrospermopsin Production by Cyanobacteria from Microbial Mats in Cold Deserts. <i>Toxins</i> , 2020 , 12,	4.9	8
64	Blooms of Toxic Cyanobacterium in Norwegian Fjords During Holocene Warm Periods. <i>Toxins</i> , 2020 , 12,	4.9	2
63	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
62	Are there concerns regarding cHAB in coastal bathing waters affected by freshwater-brackish continuum?. <i>Marine Pollution Bulletin</i> , 2020 , 159, 111500	6.7	9
61	Luciferase reporter assay for small-molecule inhibitors of MIR92b-3p function: Screening cyanopeptolins produced by Nostoc from the Baltic Sea. <i>Toxicology in Vitro</i> , 2020 , 68, 104951	3.6	4
60	Eighteen New Aeruginosamide Variants Produced by the Baltic Cyanobacterium CCNP1324. <i>Marine Drugs</i> , 2020 , 18,	6	5
59	CCNP1411 from the Baltic Sea-A New Producer of Nostocyclopeptides. <i>Marine Drugs</i> , 2020 , 18,	6	1
58	Response of Endolithic Strains From the Polyextreme Atacama Desert to Light Radiation. <i>Frontiers in Microbiology</i> , 2020 , 11, 614875	5.7	4
57	Bioactive Peptides Produced by Cyanobacteria of the Genus : A Review. <i>Marine Drugs</i> , 2019 , 17,	6	19
56	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
55	High Diversity of Microcystin Chemotypes within a Summer Bloom of the Cyanobacterium. <i>Toxins</i> , 2019 , 11,	4.9	3
54	Recent trends in determination of neurotoxins in aquatic environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 112, 112-122	14.6	11
53	Anthropogenic impact on marine ecosystem health: A comparative multi-proxy investigation of recent sediments in coastal waters. <i>Marine Pollution Bulletin</i> , 2018 , 133, 328-335	6.7	10
52	Specific Chemical and Genetic Markers Revealed a Thousands-Year Presence of Toxic <i>Nodularia spumigena</i> in the Baltic Sea. <i>Marine Drugs</i> , 2018 , 16,	6	9
51	Cyanopeptolins with Trypsin and Chymotrypsin Inhibitory Activity from the Cyanobacterium CCNP1411. <i>Marine Drugs</i> , 2018 , 16,	6	16
50	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018 , 10,	4.9	109

49	Insights into cyanophage-mediated dynamics of nodularin and other non-ribosomal peptides in <i>Nodularia spumigena</i> . <i>Harmful Algae</i> , 2018 , 78, 69-74	5.3	8
48	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018 , 5, 180226	8.2	15
47	Bioactive metabolites produced by <i>Spirulina subsalsa</i> from the Baltic Sea. <i>Oceanologia</i> , 2018 , 60, 245-255.	2.2	7
46	Effect of Increased Temperature on Native and Alien Nuisance Cyanobacteria from Temperate Lakes: An Experimental Approach. <i>Toxins</i> , 2018 , 10,	4.9	12
45	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
44	Biodegradation of nodularin and other nonribosomal peptides by the Baltic bacteria. <i>International Biodeterioration and Biodegradation</i> , 2018 , 134, 48-57	4.8	6
43	Effect of crude extracts from <i>Nodularia spumigena</i> on round goby (<i>Neogobius melanostomus</i>). <i>Marine Environmental Research</i> , 2018 , 140, 61-68	3.3	2
42	<i>Dolichospermum</i> and <i>Aphanizomenon</i> as neurotoxins producers in some Russian freshwaters. <i>Toxicon</i> , 2017 , 130, 47-55	2.8	13
41	Other Cyanobacterial Bioactive Substances 2017 , 179-195		1
40	Liquid Chromatography/Mass Spectrometry 2017 , 218-257		
39	Extraction of Cyanotoxins from Cyanobacterial Biomass 2017 , 350-353		
38	Extraction and Chemical Analysis of Planktopeptin and Anabaenopeptins 2017 , 452-461		
37	Predicting blooms of toxic cyanobacteria in eutrophic lakes with diverse cyanobacterial communities. <i>Scientific Reports</i> , 2017 , 7, 8342	4.9	36
36	The profound effect of harmful cyanobacterial blooms: From food-web and management perspectives. <i>Science of the Total Environment</i> , 2017 , 609, 1443-1450	10.2	19
35	The influence of hydrological conditions on phytoplankton community structure and cyanopeptide concentration in dammed lowland river. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 488	3.1	17
34	Morphologic, Phylogenetic and Chemical Characterization of a Brackish Colonial Picocyanobacterium (Coelosphaeriaceae) with Bioactive Properties. <i>Toxins</i> , 2016 , 8, 108	4.9	5
33	A Collaborative Evaluation of LC-MS/MS Based Methods for BMAA Analysis: Soluble Bound BMAA Found to Be an Important Fraction. <i>Marine Drugs</i> , 2016 , 14,	6	39
32	Chemical and Genetic Diversity of <i>Nodularia spumigena</i> from the Baltic Sea. <i>Marine Drugs</i> , 2016 , 14,	6	22

31	Baltic cyanobacteria as source of biologically active compounds. <i>European Journal of Phycology</i> , 2015 , 50, 343-360	2.2	36
30	Bioaccumulation of microcystins in invasive bivalves: A case study from the boreal lagoon ecosystem. <i>Oceanologia</i> , 2015 , 57, 93-101	2.2	21
29	Selective inhibition of cancer cells proliferation by compounds included in extracts from Baltic Sea cyanobacteria. <i>Toxicon</i> , 2015 , 108, 1-10	2.8	18
28	Increased risk of exposure to microcystins in the scum of the filamentous cyanobacterium <i>Aphanizomenon flos-aquae</i> accumulated on the western shoreline of the Curonian Lagoon. <i>Marine Pollution Bulletin</i> , 2015 , 99, 264-70	6.7	24
27	<i>Nodularia spumigena</i> peptides--accumulation and effect on aquatic invertebrates. <i>Toxins</i> , 2015 , 7, 4404-20	2.0	7
26	Structures and Activity of New Anabaenopeptins Produced by Baltic Sea Cyanobacteria. <i>Marine Drugs</i> , 2015 , 14, 8	6	48
25	Vertical distribution of cyanobacteria biomass and cyanotoxin production in the polymictic Siemianówka Dam Reservoir (eastern Poland). <i>Archives of Polish Fisheries</i> , 2014 , 22, 41-51		12
24	Non-ribosomal peptides produced by <i>Planktothrix agardhii</i> from Siemianówka Dam Reservoir SDR (northeast Poland). <i>Archives of Microbiology</i> , 2014 , 196, 697-707	3	28
23	Cyanobacteria and cyanotoxins in Polish freshwater bodies. <i>Oceanological and Hydrobiological Studies</i> , 2013 , 42,	0.8	56
22	Occurrence of cyanobacteria and cyanotoxin in the Southern Baltic Proper. Filamentous cyanobacteria versus single-celled picocyanobacteria. <i>Hydrobiologia</i> , 2013 , 701, 235-252	2.4	52
21	A study of episodic events in the Baltic Sea -- combined in situ and satellite observations**The project was financed by the National Centre for Research and Development (NCBiR) of Poland as contract No. 14-0004-04.. <i>Oceanologia</i> , 2012 , 54, 121-141	2.2	5
20	Diversity of peptides produced by <i>Nodularia spumigena</i> from various geographical regions. <i>Marine Drugs</i> , 2012 , 11, 1-19	6	47
19	The effect of cyanobacterial blooms in the Siemianówka Dam Reservoir on the phytoplankton structure in the Narew River. <i>Oceanological and Hydrobiological Studies</i> , 2011 , 40, 19-26	0.8	25
18	Morphological, genetic, chemical and ecophysiological characterisation of two <i>Microcystis aeruginosa</i> isolates from the Vistula Lagoon, southern Baltic. <i>Oceanologia</i> , 2010 , 52, 127-146	2.2	19
17	Biodegradation of nodularin and effects of the toxin on bacterial isolates from the Gulf of Gdańsk. <i>Water Research</i> , 2009 , 43, 2801-10	12.5	29
16	Phenotypic and toxicological characterization of toxic <i>Nodularia spumigena</i> from a freshwater lake in Turkey. <i>Harmful Algae</i> , 2009 , 8, 273-278	5.3	32
15	Toxic cyanobacteria blooms in the Lithuanian part of the Curonian Lagoon. <i>Oceanologia</i> , 2009 , 51, 203-216	2.6	28
14	Do toxic cyanobacteria blooms pose a threat to the Baltic ecosystem?. <i>Oceanologia</i> , 2009 , 51, 293-319	2.2	34

13	Biodegradation and sorption of nodularin (NOD) in fine-grained sediments. <i>Chemosphere</i> , 2008 , 70, 2039-46	23
12	Cyanobacterial blooms in the Gulf of Gdańk (southern Baltic): the main effect of eutrophication. <i>Oceanological and Hydrobiological Studies</i> , 2008 , 37, 115-121	0.8 7
11	Cyanobacterial hepatotoxins, microcystins and nodularins, in fresh and brackish waters of the Pomeranian Province, northern Poland. <i>Oceanological and Hydrobiological Studies</i> , 2008 , 37, 3-21	0.8 20
10	Impact of UV-A and UV-B radiation on growth and toxin production of <i>Nodularia spumigena</i> and <i>Microcystis aeruginosa</i> . <i>Algological Studies (Stuttgart, Germany: 2007)</i> , 2008 , 128, 79-94	1
9	Accumulation of nodularin in sediments, mussels, and fish from the Gulf of Gdańk, southern Baltic Sea. <i>Environmental Toxicology</i> , 2007 , 22, 101-111	4.2 39
8	The potential causes of cyanobacterial blooms in Baltic Sea estuaries. <i>Oceanological and Hydrobiological Studies</i> , 2007 , 36, 134-137	0.8 14
7	The degradation of the cyanobacterial hepatotoxin nodularin (NOD) by UV radiation. <i>Chemosphere</i> , 2006 , 65, 1388-95	8.4 23
6	Characterization of nodularin variants in <i>Nodularia spumigena</i> from the Baltic Sea using liquid chromatography/mass spectrometry/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2023-32	2.2 56
5	The effect of salinity on the growth, toxin production, and morphology of <i>Nodularia spumigena</i> isolated from the Gulf of Gdańk, southern Baltic Sea. <i>Journal of Applied Phycology</i> , 2005 , 17, 171-179	3.2 42
4	Indole-3-acetic acid in the culture medium of two axenic green microalgae. <i>Journal of Applied Phycology</i> , 2001 , 13, 35-42	3.2 59
3	Determination of indole-3-acetic acid in the Gulf of Gdańk by high-performance liquid chromatography of its 4-methyl-7-methoxycoumarin derivative. <i>Journal of Chromatography A</i> , 1997 , 766, 261-266	4.5 8
2	Comprehensive database of secondary metabolites from cyanobacteria	11
1	Response of endolithic <i>Chroococidiopsis</i> strains from the polyextreme Atacama Desert to light radiation	1