

Hanna Mazur-Marzec

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,241
citations

201575

27
h-index

254106

43
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88
all docs

88
docs citations

88
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018, 10, 156.	1.5	159
2	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. <i>Water Research</i> , 2021, 196, 117017.	5.3	142
3	Harmful algal blooms and their effects in coastal seas of Northern Europe. <i>Harmful Algae</i> , 2021, 102, 101989.	2.2	127
4	The Essentials of Marine Biotechnology. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	75
5	Indole-3-acetic acid in the culture medium of two axenic green microalgae. <i>Journal of Applied Phycology</i> , 2001, 13, 35-42.	1.5	70
6	Cyanobacteria and cyanotoxins in Polish freshwater bodies. <i>Oceanological and Hydrobiological Studies</i> , 2013, 42, 358-378.	0.3	69
7	Structures and Activity of New Anabaenopeptins Produced by Baltic Sea Cyanobacteria. <i>Marine Drugs</i> , 2016, 14, 8.	2.2	65
8	Occurrence of cyanobacteria and cyanotoxin in the Southern Baltic Proper. Filamentous cyanobacteria versus single-celled picocyanobacteria. <i>Hydrobiologia</i> , 2013, 701, 235-252.	1.0	64
9	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, 2023-2032.	0.7	63
10	Diversity of Peptides Produced by <i>Nodularia spumigena</i> from Various Geographical Regions. <i>Marine Drugs</i> , 2013, 11, 1-19.	2.2	58
11	The effect of salinity on the growth, toxin production, and morphology of <i>Nodularia spumigena</i> isolated from the Gulf of Gdańsk, southern Baltic Sea. <i>Journal of Applied Phycology</i> , 2005, 17, 171-179.	1.5	55
12	Accumulation of nodularin in sediments, mussels, and fish from the Gulf of Gdańsk, southern Baltic Sea. <i>Environmental Toxicology</i> , 2007, 22, 101-111.	2.1	48
13	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, 45.	2.2	47
14	Predicting blooms of toxic cyanobacteria in eutrophic lakes with diverse cyanobacterial communities. <i>Scientific Reports</i> , 2017, 7, 8342.	1.6	44
15	Baltic cyanobacteria – a source of biologically active compounds. <i>European Journal of Phycology</i> , 2015, 50, 343-360.	0.9	43
16	Toxic cyanobacteria blooms in the Lithuanian part of the Curonian Lagoon. <i>Oceanologia</i> , 2009, 51, 203-216.	1.1	43
17	Phenotypic and toxicological characterization of toxic <i>Nodularia spumigena</i> from a freshwater lake in Turkey. <i>Harmful Algae</i> , 2009, 8, 273-278.	2.2	39
18	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.	0.3	38

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19	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.	1.0	37
20	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.	2.7	37
21	Biodegradation of nodularin and effects of the toxin on bacterial isolates from the Gulf of Gdansk. <i>Water Research</i> , 2009, 43, 2801-2810.	5.3	34
22	Do toxic cyanobacteria blooms pose a threat to the Baltic ecosystem?. <i>Oceanologia</i> , 2009, 51, 293-319.	1.1	34
23	Bioactive Peptides Produced by Cyanobacteria of the Genus <i>Nostoc</i> : A Review. <i>Marine Drugs</i> , 2019, 17, 561.	2.2	33
24	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, 264-270.	2.3	32
25	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , 2018, 5, 180226.	2.4	30
26	New microginins from cyanobacteria of Greek freshwaters. <i>Chemosphere</i> , 2020, 248, 125961.	4.2	29
27	Chemical and Genetic Diversity of <i>Nodularia spumigena</i> from the Baltic Sea. <i>Marine Drugs</i> , 2016, 14, 209.	2.2	28
28	Cyanopeptolins with Trypsin and Chymotrypsin Inhibitory Activity from the Cyanobacterium <i>Nostoc edaphicum</i> CCNP1411. <i>Marine Drugs</i> , 2018, 16, 220.	2.2	28
29	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.	0.3	27
30	Bioaccumulation of microcystins in invasive bivalves: A case study from the boreal lagoon ecosystem. <i>Oceanologia</i> , 2015, 57, 93-101.	1.1	26
31	Biodegradation and sorption of nodularin (NOD) in fine-grained sediments. <i>Chemosphere</i> , 2008, 70, 2039-2046.	4.2	25
32	Recent trends in determination of neurotoxins in aquatic environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 112-122.	5.8	25
33	The degradation of the cyanobacterial hepatotoxin nodularin (NOD) by UV radiation. <i>Chemosphere</i> , 2006, 65, 1388-1395.	4.2	24
34	<i>Nodularia spumigena</i> Peptides Accumulation and Effect on Aquatic Invertebrates. <i>Toxins</i> , 2015, 7, 4404-4420.	1.5	24
35	Selective inhibition of cancer cells' proliferation by compounds included in extracts from Baltic Sea cyanobacteria. <i>Toxicon</i> , 2015, 108, 1-10.	0.8	24
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.	3.9	24

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37	Antiviral Cyanometabolites – A Review. <i>Biomolecules</i> , 2021, 11, 474.	1.8	24
38	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	22
39	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.	1.1	20
40	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.	1.3	19
41	Stratification strength and light climate explain variation in chlorophyll <i>a</i> at the continental scale in a European multilake survey in a heatwave summer. <i>Limnology and Oceanography</i> , 2021, 66, 4314-4333.	1.6	19
42	The potential causes of cyanobacterial blooms in Baltic Sea estuaries. <i>Oceanological and Hydrobiological Studies</i> , 2007, 36, 134-137.	0.3	18
43	Effect of Increased Temperature on Native and Alien Nuisance Cyanobacteria from Temperate Lakes: An Experimental Approach. <i>Toxins</i> , 2018, 10, 445.	1.5	18
44	Limited Microcystin, Anatoxin and Cylindrospermopsin Production by Cyanobacteria from Microbial Mats in Cold Deserts. <i>Toxins</i> , 2020, 12, 244.	1.5	17
45	The Effects of Cyanobacterial Bloom Extracts on the Biomass, Chl-a, MC and Other Oligopeptides Contents in a Natural <i>Planktothrix agardhii</i> Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2881.	1.2	17
46	<i>Dolichospermum</i> and <i>Aphanizomenon</i> as neurotoxins producers in some Russian freshwaters. <i>Toxicon</i> , 2017, 130, 47-55.	0.8	16
47	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.	2.2	16
48	Interplay of Nutrients, Temperature, and Competition of Native and Alien Cyanobacteria Species Growth and Cyanotoxin Production in Temperate Lakes. <i>Toxins</i> , 2021, 13, 23.	1.5	15
49	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.	0.6	14
50	Response of Endolithic <i>Chroococcidiopsis</i> Strains From the Polyextreme Atacama Desert to Light Radiation. <i>Frontiers in Microbiology</i> , 2020, 11, 614875.	1.5	14
51	Are there concerns regarding cHAB in coastal bathing waters affected by freshwater-brackish continuum?. <i>Marine Pollution Bulletin</i> , 2020, 159, 111500.	2.3	12
52	Characteristics of cyanobacterium <i>Pseudanabaena galeata</i> CCNP1313 from the Baltic Sea. <i>Algal Research</i> , 2020, 47, 101861.	2.4	12
53	Anabaenopeptins from Cyanobacteria in Freshwater Bodies of Greece. <i>Toxins</i> , 2022, 14, 4.	1.5	12
54	Morphologic, Phylogenetic and Chemical Characterization of a Brackish Colonial Picocyanobacterium (Coelosphaeriaceae) with Bioactive Properties. <i>Toxins</i> , 2016, 8, 108.	1.5	11

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55	Biodegradation of nodularin and other nonribosomal peptides by the Baltic bacteria. <i>International Biodeterioration and Biodegradation</i> , 2018, 134, 48-57.	1.9	11
56	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.	2.3	11
57	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, 116.	2.2	11
58	Eighteen New Aeruginosamide Variants Produced by the Baltic Cyanobacterium <i>Limnoraphis CCNP1324</i> . <i>Marine Drugs</i> , 2020, 18, 446.	2.2	11
59	Bioactive metabolites produced by <i>Spirulina subsalsa</i> from the Baltic Sea. <i>Oceanologia</i> , 2018, 60, 245-255.	1.1	10
60	Determination of indole-3-acetic acid in the Gulf of Gdańsk by high-performance liquid chromatography of its 4-methyl-7-methoxycoumarin derivative. <i>Journal of Chromatography A</i> , 1997, 766, 261-266.	1.8	9
61	First report of saxitoxins and anatoxin-a production by cyanobacteria from Lithuanian lakes. <i>European Journal of Phycology</i> , 2020, 55, 327-338.	0.9	9
62	Cyanobacterial blooms in the Gulf of Gdańsk (southern Baltic): the main effect of eutrophication. <i>Oceanological and Hydrobiological Studies</i> , 2008, 37, 115-121.	0.3	7
63	Luciferase reporter assay for small-molecule inhibitors of MIR92b-3p function: Screening cyanopeptolins produced by <i>Nostoc</i> from the Baltic Sea. <i>Toxicology in Vitro</i> , 2020, 68, 104951.	1.1	7
64	<i>Nostoc edaphicum</i> CCNP1411 from the Baltic Sea – A New Producer of Nostocyclopeptides. <i>Marine Drugs</i> , 2020, 18, 442.	2.2	7
65	Blooms of Toxic Cyanobacterium <i>Nodularia spumigena</i> in Norwegian Fjords During Holocene Warm Periods. <i>Toxins</i> , 2020, 12, 257.	1.5	7
66	Presence of N-methylamino-L-alanine in cyanobacteria and aquatic organisms from waters of Northern Poland; BMAA toxicity studies. <i>Toxicon</i> , 2021, 194, 90-97.	0.8	7
67	Characterization and Diversity of Microcystins Produced by Cyanobacteria from the Curonian Lagoon (SE Baltic Sea). <i>Toxins</i> , 2021, 13, 838.	1.5	7
68	High Diversity of Microcystin Chemotypes within a Summer Bloom of the Cyanobacterium <i>Microcystis botrys</i> . <i>Toxins</i> , 2019, 11, 698.	1.5	6
69	Spatial and Temporal Diversity of Cyanometabolites in the Eutrophic Curonian Lagoon (SE Baltic Sea). <i>Water (Switzerland)</i> , 2021, 13, 1760.	1.2	6
70	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.	2.4	6
71	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.	0.5	5
72	Competitive interactions as a mechanism for chemical diversity maintenance in <i>Nodularia spumigena</i> . <i>Scientific Reports</i> , 2021, 11, 8970.	1.6	4

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73	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.	1.1	3
74	Fragmentation mass spectra dataset of linear cyanopeptides - microginins. <i>Data in Brief</i> , 2020, 31, 105825.	0.5	2
75	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.	2.4	2
76	Nostocyclopeptides as New Inhibitors of 20S Proteasome. <i>Biomolecules</i> , 2021, 11, 1483.	1.8	2
77	<i>Pseudanabaena galeata</i> CCNP1313 Biological Activity and Peptides Production. <i>Toxins</i> , 2022, 14, 330.	1.5	2
78	Phytoplankton of the Curonian Lagoon as a New Interesting Source for Bioactive Natural Products. Special Impact on Cyanobacterial Metabolites. <i>Biomolecules</i> , 2021, 11, 1139.	1.8	1
79	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.	0.4	0
80	Biological Activity and Stability of Aeruginosamides from Cyanobacteria. <i>Marine Drugs</i> , 2022, 20, 93.	2.2	0
81	Interspecific Interactions Drive Nonribosomal Peptide Production in <i>Nodularia spumigena</i> . <i>Applied and Environmental Microbiology</i> , 0, , .	1.4	0