Mariusz PeÅ‚echaty

List of Publications by Year
in descending order

40 papers	677 citations	623734 14 h-index	580821 25 g-index
40 all docs	40 docs citations	40 times ranked	898 citing authors

#	Article	IF	Citations
1	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. Toxins, 2018, 10, 156.	3.4	159
2	The significance of Chara vegetation in the precipitation of lacustrine calcium carbonate. Sedimentology, 2013, 60, 1017-1035.	3.1	70
3	Winter temperature and shifts in phytoplankton assemblages in a small Chara-lake. Aquatic Botany, 2015, 124, 10-18.	1.6	34
4	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. Scientific Data, 2018, 5, 180226.	5.3	30
5	Environmental factors driving the occurrence of the invasive cyanobacterium Sphaerospermopsis aphanizomenoides (Nostocales) in temperate lakes. Science of the Total Environment, 2019, 650, 1338-1347.	8.0	27
6	The in situ influence of Ceratophyllum demersum on a phytoplankton assemblage. Oceanological and Hydrobiological Studies, 2010, 39, 95-101.	0.7	25
7	Ecology of charophytes â€“ permanent pioneers and ecosystem engineers. Perspectives in Phycology, 2018, 5, 61-74.	1.9	24
8	Factors influencing cyanobacteria community structure in Chara -lakes. Ecological Indicators, 2016, 71, 477-490.	6.3	21
9	The recent deposition of laminated sediments in highly eutrophic Lake Kierskie, western Poland: 1Âyear pilot study of limnological monitoring and sediment traps. Journal of Paleolimnology, 2020, 63, 283-304.	1.6	21
10	Stratification strength and light climate explain variation in chlorophyll <scp>a</scp> at the continental scale in a European multilake survey in a heatwave summer. Limnology and Oceanography, 2021, 66, 4314-4333.	3.1	19
11	Site-dependent species composition, structure and environmental conditions of Chara tomentosa L. meadows, western Poland. Aquatic Botany, 2015, 120, 92-100.	1.6	18
12	Effects of the environs of waterbodies on aquatic plants in oxbow lakes (habitat 3150). Ecological Indicators, 2019, 98, 736-742.	6.3	17
13	Carbon Dynamics in a Hardwater Lake: Effect of Charophyte Biomass on Carbonate Deposition. Polish Journal of Ecology, 2014, 62, 695-705.	0.2	15
14	New records of Chara connivens P. Salzmann ex A. Braun 1835 â€“ an extremely rare and protected species in Polish brackish waters. Acta Societatis Botanicorum Poloniae, 2015, 84, 143-146.	0.8	15
15	Depth-dependence and monthly variability of charophyte biomass production: consequences for the precipitation of calcium carbonate in a shallow Chara-lake. Environmental Science and Pollution Research, 2016, 23, 22433-22442.	5.3	15
16	Effects of grass carp introduction on macrophyte communities in a shallow lake. Oceanological and Hydrobiological Studies, 2012, 41, 35-40.	0.7	14
17	Discrepancies between the stable isotope compositions of water, macrophyte carbonates and organics, and mollusc shells in the littoral zone of a charophyte-dominated lake (Lake Lednica,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	14
18	Overwintering and gyrogonite formation by the rare and endangered indicative macroalga Lychnothamnus barbatus (Meyen) Leonh. in eutrophic conditions. Aquatic Botany, 2017, 139, 19-24.	1.6	13

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19	Seasonality of Water Chemistry, Carbonate Production, and Biometric Features of Two Species ofCharain a Shallow Clear Water Lake. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	12
20	Environmental factors responsible for the gyrogonite formation by an endangered macroalga, Lychnothamnus barbatus, a fertility indicator of past and present lacustrine ecosystems. Limnologica, 2019, 77, 125686.	1.5	11
21	Horizontal distribution of phytoplankton as related to the spatial heterogeneity of a lake â€“ a case study from two lakes of the Wielkopolski National Park (western Poland). Hydrobiologia, 2003, 510, 195-205.	2.0	9
22	Differences in stable isotope compositions of freshwater snails from surface sediments of two Polish shallow lakes. Limnologica, 2015, 53, 95-105.	1.5	9
23	Within-sample variability of Î´13C and Î´18O values of freshwater gastropod shells and the optimum number of shells to measure per sediment layer in the Paddenluch palaeolacustrine sequence, Germany. Journal of Paleolimnology, 2015, 54, 305-323.	1.6	8
24	Co-occurrence of the charophyte Lychnothamnus barbatus with higher trophy submerged macrophyte indicators. Aquatic Botany, 2018, 151, 51-55.	1.6	8
25	Dry weight and calcium carbonate encrustation of two morphologically different Chara species: a comparative study from different lakes. Oceanological and Hydrobiological Studies, 2016, 45, 377-387.	0.7	7
26	Interrelationships between macrophytes (including charophytes) and phytoplankton and the ecological state of lakes. Ecohydrology and Hydrobiology, 2006, 6, 79-88.	2.3	6
27	Spatial structure of vegetation in a small charophyte dominated lake. Biodiversity Research and Conservation, 2013, 29, 97-104.	0.3	6
28	Broad morphological and reproductive variability of the endangered macroalga Lychnothamnus barbatus in the depth gradient. Aquatic Botany, 2020, 165, 103239.	1.6	6
29	Oxygen stable isotope composition of carbonate encrustations of two modern, widely distributed, morphologically different charophyte species. Hydrobiologia, 2018, 809, 41-52.	2.0	5
30	Seasonal deposition of authigenic calcite out of isotopic equilibrium with DIC and water, and implications for paleolimnological studies. Journal of Paleolimnology, 2021, 66, 41-53.	1.6	5
31	Transformation and Simplification of Aquatic Vegetation Structure and Reoligotrophication of a Lake During the Last 40 Years. Acta Societatis Botanicorum Poloniae, 0, 90, .	0.8	5
32	The use of morphometric characteristics in the identification of two morphologically similar charophytes: Chara globularis and Chara virgata. Biologia (Poland), 2011, 66, 425-428.	1.5	4
33	Inter- and intra-specific variability in Î´13C and Î´18O values of freshwater gastropod shells from Lake Lednica, western Poland. Acta Geologica Polonica, 2017, 67, 441-458.	0.9	4
34	Do charophytes influence biomass and species composition of phytoflagellates?. Aquatic Botany, 2020, 165, 103240.	1.6	4
35	A winner or a loser in climate change? Modelling the past, current, and future potential distributions of a rare charophyte species. Global Ecology and Conservation, 2022, 34, e02038.	2.1	4
36	Preliminary evidence of an endangered species benefiting from moderate climate warming: A palaeolimnological study of the charophyte Lychnothamnus barbatus. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2673-2689.	2.0	3

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37	Impact of Nitellopsis obtusa (Desv.) J. Groves, a regionally alien and invasive charophyte, on macrophyte diversity in the species native range. Hydrobiologia, 2022, 849, 63-76.	2.0	3
38	Overwintering of an endangered charophyte during milder winters in Central Europe enhances lake water quality. Limnologica, 2022, 92, 125944.	1.5	3
39	Oospore dimensions and wall ornamentation in Chara braunii. Biologia (Poland), 2008, 63, 457-460.	1.5	2
40	Heavy metals and ¹³⁷Cs levels in macrophytes and temporal distribution in sediments â€“ application for estuarine environment status assessment (Vistula Lagoon â€“ southern Baltic). Oceanological and Hydrobiological Studies, 2020, 49, 68-80.	0.7	2