Mariusz Ptak

List of Publications by Citations

70 papers	646 citations	14 h-index	21 g-index
77 ext. papers	876 ext. citations	2.6 avg, IF	5 L-index

#	Paper	IF	Citations
70	Effect of Environmental Conditions and Morphometric Parameters on Surface Water Temperature in Polish Lakes. *Water (Switzerland)*, **2018**, 10, 580	3	39
69	Modelling of daily lake surface water temperature from air temperature: Extremely randomized trees (ERT) versus Air2Water, MARS, M5Tree, RF and MLPNN. *Journal of Hydrology*, **2020**, 588, 125130	6	38
68	Forecasting of water level in multiple temperate lakes using machine learning models. *Journal of Hydrology*, **2020**, 585, 124819	6	38
67	Changes in ice phenology on polish lakes from 1961 to 2010 related to location and morphometry. *Limnologica*, **2015**, 53, 42-49	2	31
66	Forecasting surface water temperature in lakes: A comparison of approaches. *Journal of Hydrology*, **2020**, 585, 124809	6	30
65	Long-term changes in the hydrological regime of high mountain Lake Morskie Oko (Tatra Mountains, Central Europe). *Journal of Hydrology and Hydromechanics*, **2017**, 65, 146-153	2.1	26
64	Changes in Water Resources of Polish Lakes as Influenced by Natural and Anthropogenic Factors. *Polish Journal of Environmental Studies*, **2016**, 25, 1883-1890	2.3	26
63	The impact of global warming on lake surface water temperature in Poland - the application of empirical-statistical downscaling, 1971-2100. *Journal of Limnology*, **2018**, 77,	1.5	26
62	Water level changes in Polish lakes during 1976–2010. *Journal of Chinese Geography*, **2016**, 26, 83-101	3.7	23
61	Effect of the North Atlantic Oscillation on the Pattern of Lake Ice Phenology in Poland. *Acta Geophysica*, **2015**, 63, 1664-1684	2.2	20
60	Effect of Teleconnection Patterns on Changes in Water Temperature in Polish Lakes. *Atmosphere*, **2018**, 9, 66	2.7	20
59	Present-day evolution of coastal lakes based on the example of Jamno and Bukowo (the Southern Baltic coast). *Oceanological and Hydrobiological Studies*, **2014**, 43, 178-184	0.8	19
58	Effect of the North Atlantic Oscillation on the Thermal Characteristics of Lakes in Poland. *Acta Geophysica*, **2015**, 63, 863-883	2.2	18
57	Long-term water temperature trends of the Warta River in the years 1960–2009. *Ecohydrology and Hydrobiology*, **2019**, 19, 441-451	2.8	14
56	Changeability of Accumulated Heat Content in Alpine-Type Lakes. *Polish Journal of Environmental Studies*, **2015**, 24, 2363-2369	2.3	14
55	Long-term water temperature fluctuations in coastal rivers (southern Baltic) in Poland. *Bulletin of Geography, Physical Geography Series*, **2016**, 11, 35-42	0.9	13
54	Variability of Oxygen-Thermal Conditions in Selected Lakes in Poland. *Ecological Chemistry and Engineering S*, **2016**, 23, 639-650	1.3	12

53	Trends to changes in ice phenomena in Polish lakes in the years 1951-2010. *Przeglad Geograficzny*, **2014**, 86, 23-40	0.7	12
52	Impact of Lake Morphology and Shallowing on the Rate of Overgrowth in Hard-Water Eutrophic Lakes. *Water (Switzerland)*, **2018**, 10, 1827	3	12
51	Effect of the north Atlantic oscillation on water level fluctuations in lakes of northern Poland. *Geographia Polonica*, **2018**, 91, 243-259	1.5	11
50	The increasing of maximum lake water temperature in lowland lakes of central Europe: case study of the Polish Lakeland. *Annales De Limnologie*, **2019**, 55, 6	0.7	10
49	Effect of teleconnection patterns on ice conditions in lakes in lowland Poland. *Theoretical and Applied Climatology*, **2019**, 138, 1961-1969	3	10
48	Effect of the North Atlantic Oscillation on Ice Phenomena on Selected Lakes in Poland Over the Years 1961–2010 **2013**, 32, 119-128		10
47	Exploring and quantifying the impact of climate change on surface water temperature of a high mountain lake in Central Europe. *Environmental Monitoring and Assessment*, **2019**, 192, 7	3.1	10
46	Effect of climate warming on a change in thermal and ice conditions in the largest lake in Poland – Lake Śniardwy. *Journal of Hydrology and Hydromechanics*, **2020**, 68, 260-270	2.1	9
45	Lake water-level fluctuation forecasting using machine learning models: a systematic review. *Environmental Science and Pollution Research*, **2020**, 27, 44807-44819	5.1	9
44	Variation in the ice cover thickness on Lake Samoświe as a result of underground water supply. *Limnological Review*, **2012**, 12, 133-138	1.2	7
43	Effect of North Atlantic Oscillation on the hydrological conditions of Lake Morskie Oko (Carphatian Mountains). *Bulletin of Geography, Physical Geography Series*, **2016**, 10, 95-105	0.9	7
42	Natural and anthropogenic conditions of water level fluctuations in lakes – Lake Powidzkie case study (Central-Western Poland). *Journal of Water and Land Development*, **2019**, 40, 13-25	1.4	7
41	Lake Evolution in the Łęgin Region in the Years 1912–1960 (Central Poland) **2013**, 32, 21-26		7
40	Long-term temperature fluctuations in rivers of the Fore-Sudetic region in Poland. *Geografie-Sbornik CGS*, **2018**, 123, 279-294	1.1	7
39	Warming of lowland Polish lakes under future climate change scenarios and consequences for ice cover and mixing dynamics. *Journal of Hydrology: Regional Studies*, **2021**, 34, 100780	3.6	7
38	Effects of catchment area forestation on the temperature of river waters. *Forest Research Papers*, **2017**, 78, 251-256	0.2	6
37	The effect of a water dam on Lake Powidzkie and its vicinity. *Bulletin of Geography, Physical Geography Series*, **2018**, 15, 5-13	0.9	6
36	Historical medium-scale maps as a source of information on the overgrowing of lakes. *Limnological Review*, **2013**, 13, 155-162	1.2	6

35	How does the calibration method impact the performance of the air2water model for the forecasting of lake surface water temperatures?. *Journal of Hydrology*, **2021**, 597, 126219	6	6
34	Potential use of lakes as a component of small retention in Wielkopolska. *E3S Web of Conferences*, **2018**, 44, 00127	0.5	6
33	Potential renaturalisation of lakes as an element building up water resources: An example of Mosina Lake, Poland. *Chinese Geographical Science*, **2017**, 27, 8-12	2.9	5
32	Applying Landsat Satellite Thermal Images in the Analysis of Polish Lake Temperatures. *Polish Journal of Environmental Studies*, **2017**, 26, 2159-2165	2.3	5
31	CHANGES IN ICE REGIME OF JAGODNE LAKE (NORTH-EASTERN POLAND). *Acta Scientiarum Polonorum Formatio Circumiectus*, **2019**, 18, 89-100	1.2	5
30	Changes in land use in the buffer zone of lake of the Ma Wena catchment. *Limnological Review*, **2012**, 12, 35-44	1.2	5
29	On thinning ice: Effects of atmospheric warming, changes in wind speed and rainfall on ice conditions in temperate lakes (Northern Poland). *Journal of Hydrology*, **2021**, 597, 125724	6	5
28	Causes of variations of trace and rare earth elements concentration in lakes bottom sediments in the Bory Tucholskie National Park, Poland. *Scientific Reports*, **2021**, 11, 244	4.9	5
27	The Variability of Lake Water Chemistry in the Bory Tucholskie National Park (Northern Poland). *Water (Switzerland)*, **2020**, 12, 394	3	4
26	Examples of lake disappearance as an effect of reclamation works in Poland. *Limnological Review*, **2012**, 12, 161-167	1.2	4
25	Tendenzen der Ver derungen der Wassertemperatur von Seen in Nord-Ost-Polen. *Wasserwirtschaft*, **2020**, 110, 41-45	0.3	3
24	Occurrence, Genetic Types, and Evolution of Lake Basins in Poland. *Handbook of Environmental Chemistry*, **2020**, 69-87	0.8	3
23	Variability and course of occurrence of ice cover on selected lakes of the Gnie nie kie Lakeland (Central Poland) in the period 1976 2015. *E3S Web of Conferences*, **2018**, 44, 00126	0.5	3
22	Quantifying the impacts of climate variation, damming, and flow regulation on river thermal dynamics: a case study of the W cewek Reservoir in the Vistula River, Poland. *Environmental Sciences Europe*, **2022**, 34,	5	2
21	Application of Multi-Criteria Analytic Methods in the Assessment of the Technical Conditions of Small Hydraulic Structures. *Buildings*, **2022**, 12, 115	3.2	2
20	Warming Vistula River the effects of climate and local conditions on water temperature in one of the largest rivers in Europe. *Journal of Hydrology and Hydromechanics*, **2022**, 70, 1-11	2.1	2
19	Changes in water resources in selected lakes in the middle and lower catchment of the River Warta. *Limnological Review*, **2011**, 11, 25-32	1.2	2
18	An investigation of water level fluctuations in Polish lakes in various phases of the winter North Atlantic Oscillation. *Geology Geophysics & Environment*, **2017**, 43, 151	1.1	2

17	Effect of Air Temperature Increase on Changes in Thermal Regime of the Oder and Neman Rivers Flowing into the Baltic Sea. *Atmosphere*, **2021**, 12, 498	2.7	2
16	Changes in the Water Resources of Selected Lakes in Poland in the Period 1916–2020 as Information to Increase Their Availability. *Sustainability*, **2021**, 13, 7298	3.6	2
15	The hydropower sector in Poland: Barriers and the outlook for the future. *Renewable and Sustainable Energy Reviews*, **2022**, 163, 112500	16.2	2
14	The hydropower sector in Poland: Historical development and current status. *Renewable and Sustainable Energy Reviews*, **2022**, 158, 112150	16.2	1
13	Seasonal structure of water stages on lakes in Northern Poland. *Bulletin of Geography, Physical Geography Series*, **2018**, 15, 101-110	0.9	1
12	Applicability of Airborne Laser Scanning in the Identification of Lake Shorelines. *Limnological Review*, **2020**, 20, 51-58	1.2	1
11	Mineralogy and deformation structures in components of clastic sediments from the Morasko meteorite lake (Poland). *Bulletin of Geography, Physical Geography Series*, **2018**, 15, 91-100	0.9	1
10	Characteristics of daily water temperature fluctuations in lake kierskie (West Poland). *Quaestiones Geographicae*, **2019**, 38, 41-49	1.2	1
9	Reconstruction of the primary bottom of a unique crater lake in the "Meteoryt Morasko Reserve" (Poland). *Bulletin of Geography, Physical Geography Series*, **2019**, 17, 5-16	0.9	1
8	The disappearance of ice cover on temperate lakes (Central Europe) as a result of climate warming. *Geographical Journal*, **2021**, 187, 200-213	2.2	1
7	Hydraulic Structures as a Key Component of Sustainable Water Management at the Catchment Scale—Case Study of the Rgilewka River (Central Poland). *Buildings*, **2022**, 12, 675	3.2	1
6	Restoration and assessment of water resources of drained lakes. Example of Chełmno Lakeland (Poland). *Limnological Review*, **2014**, 14, 45-50	1.2	0
5	Different responses to climate change of the hydrological regime of Lake Hańcza, the deepest lake in the Central European Plain. *Hydrological Sciences Journal*, **2021**, 66, 1083-1095	3.5	0
4	Detection of lake shoreline active zones and water volume changes using digital lake bottom model and water level fluctuations. *Geocarto International*,1-21	2.7	0
3	CHANGES IN PROSNA WATER LEVELS (BOGUSŁAW PROFILE) IN 1973-2017. *Zeszyty Naukowe Uniwersytetu Zielonogórskiego / inżynieria środowiska*, **2018**, 171, 47-59		
2	RECONSTRUCTION OF NON-EXISTENT BATHYMETRY LAKES KROKOWO. *Zeszyty Naukowe Uniwersytetu Zielonogórskiego / inżynieria środowiska*, **2018**, 171, 40-46		
1	Wahania poziomów wody jezior w Polsce w latach 1956–2015 = Water-level fluctuations in Polish lakes in the 1956–2015 period. *Przeglad Geograficzny*, **2020**, 92, 41-54	0.7	