

Mariusz Ptak

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.

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	Quantifying the impacts of climate variation, damming, and flow regulation on river thermal dynamics: a case study of the Wódzów Reservoir in the Vistula River, Poland. <i>Environmental Sciences Europe</i> , 2022 , 34,	5	2
69	Application of Multi-Criteria Analytic Methods in the Assessment of the Technical Conditions of Small Hydraulic Structures. <i>Buildings</i> , 2022 , 12, 115	3.2	2
68	Warming Vistula River – the effects of climate and local conditions on water temperature in one of the largest rivers in Europe. <i>Journal of Hydrology and Hydromechanics</i> , 2022 , 70, 1-11	2.1	2
67	The hydropower sector in Poland: Historical development and current status. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112150	16.2	1
66	The hydropower sector in Poland: Barriers and the outlook for the future. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 163, 112500	16.2	2
65	Hydraulic Structures as a Key Component of Sustainable Water Management at the Catchment Scale – Case Study of the Rgilewka River (Central Poland). <i>Buildings</i> , 2022 , 12, 675	3.2	1
64	Different responses to climate change of the hydrological regime of Lake Hańza, the deepest lake in the Central European Plain. <i>Hydrological Sciences Journal</i> , 2021 , 66, 1083-1095	3.5	0
63	The disappearance of ice cover on temperate lakes (Central Europe) as a result of climate warming. <i>Geographical Journal</i> , 2021 , 187, 200-213	2.2	1
62	Effect of Air Temperature Increase on Changes in Thermal Regime of the Oder and Neman Rivers Flowing into the Baltic Sea. <i>Atmosphere</i> , 2021 , 12, 498	2.7	2
61	Warming of lowland Polish lakes under future climate change scenarios and consequences for ice cover and mixing dynamics. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 34, 100780	3.6	7
60	How does the calibration method impact the performance of the air2water model for the forecasting of lake surface water temperatures?. <i>Journal of Hydrology</i> , 2021 , 597, 126219	6	6
59	Changes in the Water Resources of Selected Lakes in Poland in the Period 1916–2020 as Information to Increase Their Availability. <i>Sustainability</i> , 2021 , 13, 7298	3.6	2
58	On thinning ice: Effects of atmospheric warming, changes in wind speed and rainfall on ice conditions in temperate lakes (Northern Poland). <i>Journal of Hydrology</i> , 2021 , 597, 125724	6	5
57	Causes of variations of trace and rare earth elements concentration in lakes bottom sediments in the Bory Tucholskie National Park, Poland. <i>Scientific Reports</i> , 2021 , 11, 244	4.9	5
56	Modelling of daily lake surface water temperature from air temperature: Extremely randomized trees (ERT) versus Air2Water, MARS, M5Tree, RF and MLPNN. <i>Journal of Hydrology</i> , 2020 , 588, 125130	6	38
55	The Variability of Lake Water Chemistry in the Bory Tucholskie National Park (Northern Poland). <i>Water (Switzerland)</i> , 2020 , 12, 394	3	4
54	Forecasting surface water temperature in lakes: A comparison of approaches. <i>Journal of Hydrology</i> , 2020 , 585, 124809	6	30

53	Forecasting of water level in multiple temperate lakes using machine learning models. <i>Journal of Hydrology</i> , 2020 , 585, 124819	6	38
52	Tendenzen der Veränderungen der Wassertemperatur von Seen in Nord-Ost-Polen. <i>Wasserwirtschaft</i> , 2020 , 110, 41-45	0.3	3
51	Effect of climate warming on a change in thermal and ice conditions in the largest lake in Poland – Lake Biardwy. <i>Journal of Hydrology and Hydromechanics</i> , 2020 , 68, 260-270	2.1	9
50	Applicability of Airborne Laser Scanning in the Identification of Lake Shorelines. <i>Limnological Review</i> , 2020 , 20, 51-58	1.2	1
49	Wahania poziomów wody jezior w Polsce w latach 1956–2015 = Water-level fluctuations in Polish lakes in the 1956–2015 period. <i>Przegląd Geograficzny</i> , 2020 , 92, 41-54	0.7	
48	Occurrence, Genetic Types, and Evolution of Lake Basins in Poland. <i>Handbook of Environmental Chemistry</i> , 2020 , 69-87	0.8	3
47	Lake water-level fluctuation forecasting using machine learning models: a systematic review. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 44807-44819	5.1	9
46	Long-term water temperature trends of the Warta River in the years 1960–2009. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 441-451	2.8	14
45	The increasing of maximum lake water temperature in lowland lakes of central Europe: case study of the Polish Lakeland. <i>Annales De Limnologie</i> , 2019 , 55, 6	0.7	10
44	Effect of teleconnection patterns on ice conditions in lakes in lowland Poland. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 1961-1969	3	10
43	CHANGES IN ICE REGIME OF JAGODNE LAKE (NORTH-EASTERN POLAND). <i>Acta Scientiarum Polonorum Formatio Circumiectus</i> , 2019 , 18, 89-100	1.2	5
42	Natural and anthropogenic conditions of water level fluctuations in lakes – Lake Powidzkie case study (Central-Western Poland). <i>Journal of Water and Land Development</i> , 2019 , 40, 13-25	1.4	7
41	Characteristics of daily water temperature fluctuations in lake kierskie (West Poland). <i>Quaestiones Geographicae</i> , 2019 , 38, 41-49	1.2	1
40	Reconstruction of the primary bottom of a unique crater lake in the Meteoryt Morasko Reserve (Poland). <i>Bulletin of Geography, Physical Geography Series</i> , 2019 , 17, 5-16	0.9	1
39	Exploring and quantifying the impact of climate change on surface water temperature of a high mountain lake in Central Europe. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 7	3.1	10
38	The effect of a water dam on Lake Powidzkie and its vicinity. <i>Bulletin of Geography, Physical Geography Series</i> , 2018 , 15, 5-13	0.9	6
37	Seasonal structure of water stages on lakes in Northern Poland. <i>Bulletin of Geography, Physical Geography Series</i> , 2018 , 15, 101-110	0.9	1
36	Long-term temperature fluctuations in rivers of the Fore-Sudetic region in Poland. <i>Geografie-Sbornik CGS</i> , 2018 , 123, 279-294	1.1	7

35	Effect of the north Atlantic oscillation on water level fluctuations in lakes of northern Poland. <i>Geographia Polonica</i> , 2018 , 91, 243-259	1.5	11
34	CHANGES IN PROSNA WATER LEVELS (BOGUSŁAW PROFILE) IN 1973-2017. <i>Zeszyty Naukowe Uniwersytetu Zielonogórskiego / inżynieria Wodowiska</i> , 2018 , 171, 47-59		
33	RECONSTRUCTION OF NON-EXISTENT BATHYMETRY LAKES KROKOWO. <i>Zeszyty Naukowe Uniwersytetu Zielonogórskiego / inżynieria Wodowiska</i> , 2018 , 171, 40-46		
32	Mineralogy and deformation structures in components of clastic sediments from the Morasko meteorite lake (Poland). <i>Bulletin of Geography, Physical Geography Series</i> , 2018 , 15, 91-100	0.9	1
31	Potential use of lakes as a component of small retention in Wielkopolska. <i>E3S Web of Conferences</i> , 2018 , 44, 00127	0.5	6
30	Effect of Teleconnection Patterns on Changes in Water Temperature in Polish Lakes. <i>Atmosphere</i> , 2018 , 9, 66	2.7	20
29	Variability and course of occurrence of ice cover on selected lakes of the Gnieźnieńskie Lakeland (Central Poland) in the period 1976-2015. <i>E3S Web of Conferences</i> , 2018 , 44, 00126	0.5	3
28	Impact of Lake Morphology and Shallowing on the Rate of Overgrowth in Hard-Water Eutrophic Lakes. <i>Water (Switzerland)</i> , 2018 , 10, 1827	3	12
27	Effect of Environmental Conditions and Morphometric Parameters on Surface Water Temperature in Polish Lakes. <i>Water (Switzerland)</i> , 2018 , 10, 580	3	39
26	The impact of global warming on lake surface water temperature in Poland - the application of empirical-statistical downscaling, 1971-2100. <i>Journal of Limnology</i> , 2018 , 77,	1.5	26
25	Potential renaturalisation of lakes as an element building up water resources: An example of Mosina Lake, Poland. <i>Chinese Geographical Science</i> , 2017 , 27, 8-12	2.9	5
24	Long-term changes in the hydrological regime of high mountain Lake Morskie Oko (Tatra Mountains, Central Europe). <i>Journal of Hydrology and Hydromechanics</i> , 2017 , 65, 146-153	2.1	26
23	Effects of catchment area forestation on the temperature of river waters. <i>Forest Research Papers</i> , 2017 , 78, 251-256	0.2	6
22	Applying Landsat Satellite Thermal Images in the Analysis of Polish Lake Temperatures. <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 2159-2165	2.3	5
21	An investigation of water level fluctuations in Polish lakes in various phases of the winter North Atlantic Oscillation. <i>Geology Geophysics & Environment</i> , 2017 , 43, 151	1.1	2
20	Water level changes in Polish lakes during 1976-2010. <i>Journal of Chinese Geography</i> , 2016 , 26, 83-101	3.7	23
19	Effect of North Atlantic Oscillation on the hydrological conditions of Lake Morskie Oko (Carpathian Mountains). <i>Bulletin of Geography, Physical Geography Series</i> , 2016 , 10, 95-105	0.9	7
18	Variability of Oxygen-Thermal Conditions in Selected Lakes in Poland. <i>Ecological Chemistry and Engineering S</i> , 2016 , 23, 639-650	1.3	12

17	Changes in Water Resources of Polish Lakes as Influenced by Natural and Anthropogenic Factors. <i>Polish Journal of Environmental Studies</i> , 2016 , 25, 1883-1890	2.3	26
16	Long-term water temperature fluctuations in coastal rivers (southern Baltic) in Poland. <i>Bulletin of Geography, Physical Geography Series</i> , 2016 , 11, 35-42	0.9	13
15	Changes in ice phenology on polish lakes from 1961 to 2010 related to location and morphometry. <i>Limnologica</i> , 2015 , 53, 42-49	2	31
14	Effect of the North Atlantic Oscillation on the Thermal Characteristics of Lakes in Poland. <i>Acta Geophysica</i> , 2015 , 63, 863-883	2.2	18
13	Effect of the North Atlantic Oscillation on the Pattern of Lake Ice Phenology in Poland. <i>Acta Geophysica</i> , 2015 , 63, 1664-1684	2.2	20
12	Changeability of Accumulated Heat Content in Alpine-Type Lakes. <i>Polish Journal of Environmental Studies</i> , 2015 , 24, 2363-2369	2.3	14
11	Present-day evolution of coastal lakes based on the example of Jamno and Bukowo (the Southern Baltic coast). <i>Oceanological and Hydrobiological Studies</i> , 2014 , 43, 178-184	0.8	19
10	Trends to changes in ice phenomena in Polish lakes in the years 1951-2010. <i>Przegląd Geograficzny</i> , 2014 , 86, 23-40	0.7	12
9	Restoration and assessment of water resources of drained lakes. Example of Chełmno Lakeland (Poland). <i>Limnological Review</i> , 2014 , 14, 45-50	1.2	0
8	Historical medium-scale maps as a source of information on the overgrowing of lakes. <i>Limnological Review</i> , 2013 , 13, 155-162	1.2	6
7	Lake Evolution in the Ą̧in Region in the Years 1912–1960 (Central Poland) 2013 , 32, 21-26		7
6	Effect of the North Atlantic Oscillation on Ice Phenomena on Selected Lakes in Poland Over the Years 1961–2010 2013 , 32, 119-128		10
5	Variation in the ice cover thickness on Lake Samoċkie as a result of underground water supply. <i>Limnological Review</i> , 2012 , 12, 133-138	1.2	7
4	Examples of lake disappearance as an effect of reclamation works in Poland. <i>Limnological Review</i> , 2012 , 12, 161-167	1.2	4
3	Changes in land use in the buffer zone of lake of the Maċ Weċa catchment. <i>Limnological Review</i> , 2012 , 12, 35-44	1.2	5
2	Changes in water resources in selected lakes in the middle and lower catchment of the River Warta. <i>Limnological Review</i> , 2011 , 11, 25-32	1.2	2
1	Detection of lake shoreline active zones and water volume changes using digital lake bottom model and water level fluctuations. <i>Geocarto International</i> , 1-21	2.7	0