

Michał, Słowiński

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,917
citations

236925

25
h-index

289244

40
g-index

80
all docs

80
docs citations

80
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8 kya. <i>Quaternary Science Reviews</i> , 2014, 106, 206-224.	3.0	188
2	Tipping point in plant-fungal interactions under severe drought causes abrupt rise in peatland ecosystem respiration. <i>Global Change Biology</i> , 2018, 24, 972-986.	9.5	98
3	Long-term hydrological dynamics and fire history over the last 2000 years in CE Europe reconstructed from a high-resolution peat archive. <i>Quaternary Science Reviews</i> , 2015, 112, 138-152.	3.0	82
4	Tracing the Laacher See Tephra in the varved sediment record of the Trzechowskie palaeolake in central Northern Poland. <i>Quaternary Science Reviews</i> , 2013, 76, 129-139.	3.0	72
5	Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe. <i>Quaternary Science Reviews</i> , 2018, 201, 44-56.	3.0	67
6	Holocene tephrostratigraphy of varved sediment records from Lakes Tiefer See (NE Germany) and Czechowskie (N Poland). <i>Quaternary Science Reviews</i> , 2016, 132, 1-14.	3.0	61
7	A novel testate amoebae trait-based approach to infer environmental disturbance in Sphagnum peatlands. <i>Scientific Reports</i> , 2016, 6, 33907.	3.3	57
8	Seasonal changes in Sphagnum peatland testate amoeba communities along a hydrological gradient. <i>European Journal of Protistology</i> , 2014, 50, 445-455.	1.5	54
9	Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe. <i>Biogeosciences</i> , 2020, 17, 1213-1230.	3.3	52
10	Climatic and morphological controls on diachronous postglacial lake and river valley evolution in the area of Last Glaciation, northern Poland. <i>Quaternary Science Reviews</i> , 2015, 109, 13-27.	3.0	51
11	Unveiling tipping points in long-term ecological records from <i>Sphagnum</i> -dominated peatlands. <i>Biology Letters</i> , 2019, 15, 20190043.	2.3	47
12	The role of melting dead ice on landscape transformation in the early Holocene in Tuchola Pinewoods, North Poland. <i>Quaternary International</i> , 2015, 388, 64-75.	1.5	43
13	Drought as a stress driver of ecological changes in peatland - A palaeoecological study of peatland development between 3500 BCE and 200 BCE in central Poland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 461, 272-291.	2.3	43
14	Hydrological dynamics and fire history of the last 1300 years in western Siberia reconstructed from a high-resolution, ombrotrophic peat archive. <i>Quaternary Research</i> , 2015, 84, 312-325.	1.7	41
15	The response of a shallow lake and its catchment to Late Glacial climate changes - A case study from eastern Poland. <i>Catena</i> , 2015, 126, 1-10.	5.0	41
16	Minimum winter temperature reconstruction from average earlywood vessel area of European oak (<i>Quercus robur</i>) in N-Poland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 520-530.	2.3	38
17	Paleoecological and historical data as an important tool in ecosystem management. <i>Journal of Environmental Management</i> , 2019, 236, 755-768.	7.8	38
18	Differential proxy responses to late Allerød and early Younger Dryas climatic change recorded in varved sediments of the Trzechowskie palaeolake in Northern Poland. <i>Quaternary Science Reviews</i> , 2017, 158, 94-106.	3.0	36

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19	Anthropogenic- and natural sources of dust in peatland during the Anthropocene. <i>Scientific Reports</i> , 2016, 6, 38731.	3.3	34
20	Abrupt <i>Alnus</i> population decline at the end of the first millennium CE in Europe – The event ecology, possible causes and implications. <i>Holocene</i> , 2019, 29, 1335-1349.	1.7	34
21	Toward a Generalizable Framework of Disturbance Ecology Through Crowdsourced Science. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	34
22	Predator–prey mass ratio drives microbial activity under dry conditions in <i>Sphagnum</i> peatlands. <i>Ecology and Evolution</i> , 2018, 8, 5752-5764.	1.9	33
23	Palaeoecological data indicates land-use changes across Europe linked to spatial heterogeneity in mortality during the Black Death pandemic. <i>Nature Ecology and Evolution</i> , 2022, 6, 297-306.	7.8	33
24	Always on the tipping point – A search for signals of past societies and related peatland ecosystem critical transitions during the last 6500 years in N Poland. <i>Quaternary Science Reviews</i> , 2019, 225, 105954.	3.0	32
25	Constraining the time span between the Early Holocene Håsseldalen and Askja Tephra through varve counting in the Lake Czechowskie sediment record, Poland. <i>Journal of Quaternary Science</i> , 2016, 31, 103-113.	2.1	31
26	The Impact of Experimental Temperature and Water Level Manipulation on Carbon Dioxide Release in a Poor Fen in Northern Poland. <i>Wetlands</i> , 2018, 38, 551-563.	1.5	31
27	Multiple drivers of Holocene lake level changes at a lowland lake in northeastern Germany. <i>Boreas</i> , 2016, 45, 828-845.	2.4	27
28	Solar cycles and depositional processes in annual 10 Be from two varved lake sediment records. <i>Earth and Planetary Science Letters</i> , 2015, 428, 44-51.	4.4	24
29	Human-induced fire regime shifts during 19th century industrialization: A robust fire regime reconstruction using northern Polish lake sediments. <i>PLoS ONE</i> , 2019, 14, e0222011.	2.5	23
30	Site-specific sediment responses to climate change during the last 140 years in three varved lakes in Northern Poland. <i>Holocene</i> , 2018, 28, 464-477.	1.7	22
31	Impact of large water level fluctuations on geomorphological processes and their interactions in the shore zone of a dam reservoir. <i>Journal of Great Lakes Research</i> , 2016, 42, 926-941.	1.9	21
32	Advances in understanding calcite varve formation: new insights from a dual lake monitoring approach in the southern Baltic lowlands. <i>Boreas</i> , 2021, 50, 419-440.	2.4	21
33	New insights into lake responses to rapid climate change: the Younger Dryas in Lake Gołcińskie, central Poland. <i>Boreas</i> , 2021, 50, 535-555.	2.4	21
34	Cascading effects between climate, vegetation, and macroinvertebrate fauna in 14,000-year palaeoecological investigations of a shallow lake in eastern Poland. <i>Ecological Indicators</i> , 2018, 85, 329-341.	6.3	20
35	Leaf wax n-alkane distributions record ecological changes during the Younger Dryas at Trzechowskie paleolake (northern Poland) without temporal delay. <i>Climate of the Past</i> , 2018, 14, 1607-1624.	3.4	20
36	Widespread, episodic decline of alder (<i>Alnus</i>) during the medieval period in the boreal forest of Europe. <i>Journal of Quaternary Science</i> , 2017, 32, 903-907.	2.1	19

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37	An 810-year history of cold season temperature variability for northern Poland. <i>Boreas</i> , 2018, 47, 443-453.	2.4	18
38	Synchronizing $\delta^{10}\text{Be}$ in two varved lake sediment records to IntCal13 $\delta^{14}\text{C}$ during three grand solar minima. <i>Climate of the Past</i> , 2018, 14, 687-696.	3.4	18
39	Searching for the 4.2-ka climate event at Lake Spore, Poland. <i>Catena</i> , 2020, 191, 104565.	5.0	18
40	Chironomidae Morphological Types and Functional Feeding Groups as a Habitat Complexity Vestige. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	2.2	18
41	Dystrophication of lake Suchar IV (NE Poland): an alternative way of lake development. , 2019, 38, 391-416.		18
42	Climate variability and lake ecosystem responses in western Scandinavia (Norway) during the last Millennium. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 466, 231-239.	2.3	17
43	Disturbance and resilience of a <i>Sphagnum</i> peatland in western Russia (Western Dvina Lakeland) during the last 300 years: A multiproxy, high-resolution study. <i>Holocene</i> , 2020, 30, 1552-1566.	1.7	17
44	The Late Glacial pedogenesis interrupted by aeolian activity in Central Poland – records from the Lake Gołciński catchment. <i>Catena</i> , 2020, 185, 104286.	5.0	16
45	Varve microfacies and chronology from a new sediment record of Lake Gołciński (Poland). <i>Quaternary Science Reviews</i> , 2021, 251, 106715.	3.0	15
46	First discovery of Holocene Alaskan and Icelandic tephra in Polish peatlands. <i>Journal of Quaternary Science</i> , 2017, 32, 457-462.	2.1	13
47	Assessing the responses of <i>Sphagnum</i> micro-eukaryotes to climate changes using high throughput sequencing. <i>PeerJ</i> , 2020, 8, e9821.	2.0	13
48	On the border between land and water: The environmental conditions of the Neolithic occupation from 4.3 until 1.6 ka BC at Serteya, Western Russia. <i>Geoarchaeology - an International Journal</i> , 2021, 36, 173-202.	1.5	12
49	The role of Medieval road operation on cultural landscape transformation. <i>Scientific Reports</i> , 2021, 11, 20876.	3.3	12
50	Hypolimnetic oxygen conditions influence varve preservation and $\delta^{13}\text{C}$ of sediment organic matter in Lake Tiefer See, NE Germany. <i>Journal of Paleolimnology</i> , 2019, 62, 181-194.	1.6	11
51	Geology, permafrost, and lake level changes as factors initiating landslides on Olkhon Island (Lake Tj ETQq1 1 0.784314 rgBT ₁₀ / Overlook	5.4	10
52	Ecohydrological Changes and Resilience of a Shallow Lake Ecosystem under Intense Human Pressure and Recent Climate Change. <i>Water (Switzerland)</i> , 2019, 11, 32.	2.7	9
53	Spontaneous self-combustion of organic-rich lateglacial lake sediments after freeze-drying. <i>Journal of Paleolimnology</i> , 2016, 55, 185-194.	1.6	8
54	Biological and geochemical indicators of climatic oscillations during the Last Glacial Termination, the Kaniewo palaeolake (Central Poland). <i>Ecological Indicators</i> , 2020, 114, 106301.	6.3	8

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55	Stages of soil development in the coastal zone of a disappearing lake—a case study from central Poland. <i>Journal of Soils and Sediments</i> , 2021, 21, 1420-1436.	3.0	7
56	Long-term microclimate study of a peatland in Central Europe to understand microrefugia. <i>International Journal of Biometeorology</i> , 2022, 66, 817-832.	3.0	7
57	Climatic and hydrological variability as a driver of the Lake Gołciński biota during the Younger Dryas. <i>Catena</i> , 2022, 212, 106049.	5.0	7
58	Historical human impact on productivity and biodiversity in a subalpine oligotrophic lake in Scandinavia. <i>Journal of Paleolimnology</i> , 2020, 63, 1-20.	1.6	6
59	Tracking fire activity and post-fire limnological responses using the varved sedimentary sequence of Lake Jaczno, Poland. <i>Holocene</i> , 2022, 32, 515-528.	1.7	6
60	Effects of experimental warming on <i>Betula nana</i> epidermal cell growth tested over its maximum climatological growth range. <i>PLoS ONE</i> , 2021, 16, e0251625.	2.5	5
61	Searching for an ecological baseline: Long-term ecology of a post-extraction restored bog in Northern Estonia. <i>Quaternary International</i> , 2022, 607, 65-78.	1.5	5
62	Pine Forest Management and Disturbance in Northern Poland: Combining High-Resolution 100-Year-Old Paleoecological and Remote Sensing Data. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
63	Small peatland with a big story: 600-year paleoecological and historical data from a kettle-hole peatland in Western Russia. <i>Holocene</i> , 2021, 31, 1761-1776.	1.7	4
64	Fires, vegetation, and human—The history of critical transitions during the last 1000 years in Northeastern Mongolia. <i>Science of the Total Environment</i> , 2022, 838, 155660.	8.0	4
65	The palaeoenvironment and settlement history of a lakeshore setting: An interdisciplinary study from the multi-layered archaeological site of Serteya II, Western Russia. <i>Journal of Archaeological Science: Reports</i> , 2021, 40, 103219.	0.5	3
66	Charakterystyka środowisk depozycyjnych Jeziora Czechowskiego i jego otoczenia. <i>Landform Analysis</i> , 0, 25, 55-75.	0.0	2
67	Assessing the links between resilience, disturbance and functional traits in paleoecological datasets. <i>Past Global Change Magazine</i> , 2018, 26, 87-87.	0.1	2
68	Comment on the paper “Impact of volcanic eruptions on the environment and climatic conditions in the area of Poland (Central Europe)” by A. Gałczyński. <i>Earth-Science Reviews</i> , 2017, 172, 248-250.	9.1	1
69	Znaczenie wysokorozdzielczych wieloprogowych (multi-proxy) badań, paleoekologicznych dla geografii historycznej i historii gospodarczej. , 2020, , 30.	0.1	1
70	Mass movements in an isolated area of permafrost in the era of climate change (Olkhon, East Siberia). <i>Przegląd Geograficzny</i> , 2015, 87, 457-476.	0.2	0