Jiri Kopacek

List of Publications by Citations

155 papers	5,456 citations	38 h-index	67 g-index
159 ext. papers	6,123 ext. citations	5.7 avg, IF	5.36 L-index

#	Paper	IF	Citations
155	Dissolved organic carbon trends resulting from changes in atmospheric deposition chemistry. *Nature*, **2007**, 450, 537-40	50.4	1206
154	Recovery from acidification in European surface waters. *Hydrology and Earth System Sciences*, **2001**, 5, 283-298	5.5	204
153	Aluminum control of phosphorus sorption by lake sediments. *Environmental Science & Technology*, **2005**, 39, 8784-9	10.3	147
152	Global change revealed by palaeolimnological records from remote lakes: a review. *Journal of Paleolimnology*, **2013**, 49, 513-535	2.1	137
151	Seasonal ecosystem variability in remote mountain lakes: implications for detecting climatic signals in sediment records. *Journal of Paleolimnology*, **2002**, 28, 25-46	2.1	109
150	Response of sulphur dynamics in European catchments to decreasing sulphate deposition. *Hydrology and Earth System Sciences*, **2001**, 5, 311-326	5.5	107
149	Recovery of acidified European surface waters. *Environmental Science & Technology*, **2005**, 39, 64A-72A	10.3	103
148	Sulfur and nitrogen emissions in the Czech Republic and Slovakia from 1850 till 2000. *Atmospheric Environment*, **2005**, 39, 2179-2188	5.3	94
147	Mountain lakes: Eyes on global environmental change. *Global and Planetary Change*, **2019**, 178, 77-95	4.2	93
146	Long-term studies (1871-2000) on acidification and recovery of lakes in the Bohemian Forest (central Europe). *Science of the Total Environment*, **2003**, 310, 73-85	10.2	73
145	Phosorus availability in an acidified watershed-lake ecosystem. *Limnology and Oceanography*, **2000**, 45, 212-225	4.8	70
144	Sulphur and nitrogen fluxes and budgets in the Bohemian Forest and Tatra Mountains during the Industrial Revolution (1850-2000). *Hydrology and Earth System Sciences*, **2001**, 5, 391-406	5.5	70
143	Nitrogen, organic carbon and sulphur cycling in terrestrial ecosystems: linking nitrogen saturation to carbon limitation of soil microbial processes. *Biogeochemistry*, **2013**, 115, 33-51	3.8	68
142	Regionalisation of chemical variability in European mountain lakes. *Freshwater Biology*, **2009**, 54, 2452-2469	3.1	66
141	Modelling the effect of climate change on recovery of acidified freshwaters: relative sensitivity of individual processes in the MAGIC model. *Science of the Total Environment*, **2006**, 365, 154-66	10.2	59
140	Factors governing nutrient status of mountain lakes in the Tatra Mountains. *Freshwater Biology*, **2000**, 43, 369-383	3.1	58
139	Determination of low chemical oxygen demand values in water by the dichromate semi-micro method. *Analyst, The*, **1990**, 115, 1463-1467	5	58

138	Modelling reversibility of Central European mountain lakes from acidification: Part I - the Bohemian forest. *Hydrology and Earth System Sciences*, **2003**, 7, 494-509	5.5	57
137	Semi-Micro Determination of Total Phosphorus in Fresh Waters with Perchloric Acid Digestion. *International Journal of Environmental Analytical Chemistry*, **1993**, 53, 173-183	1.8	57
136	Chemical composition of the Tatra Mountain lakes: Recovery from acidification. *Biologia (Poland)*, **2006**, 61, S21-S33	1.5	55
135	Freshwater lakes of Ulu Peninsula, James Ross Island, north-east Antarctic Peninsula: origin, geomorphology and physical and chemical limnology. *Antarctic Science*, **2013**, 25, 358-372	1.7	54
134	Natural inactivation of phosphorus by aluminum in atmospherically acidified water bodies. *Water Research*, **2001**, 35, 3783-90	12.5	51
133	Consequence of altered nitrogen cycles in the coupled human and ecological system under changing climate: The need for long-term and site-based research. *Ambio*, **2015**, 44, 178-93	6.5	49
132	Response of alpine lakes and soils to changes in acid deposition: the MAGIC model applied to the Tatra Mountain region, Slovakia-Poland. *Journal of Limnology*, **2004**, 63, 143	1.5	47
131	Hysteresis in Reversal of Central European Mountain Lakes from Atmospheric Acidification. *Water, Air and Soil Pollution*, **2002**, 2, 91-114		47
130	Factors controlling the export of nitrogen from agricultural land in a large central European catchment during 1900-2010. *Environmental Science & Technology*, **2013**, 47, 6400-7	10.3	46
129	Photochemical source of metals for sediments. *Environmental Science & Technology*, **2006**, 40, 4455-9	10.3	46
128	Photochemical production of ionic and particulate aluminum and iron in lakes. *Environmental Science & Technology*, **2005**, 39, 3656-62	10.3	44
127	Response of soil chemistry to forest dieback after bark beetle infestation. *Biogeochemistry*, **2013**, 113, 369-383	3.8	43
126	Long-term trends and spatial variability in nitrate leaching from alpine catchment-lake ecosystems in the Tatra Mountains (Slovakia-Poland). *Environmental Pollution*, **2005**, 136, 89-101	9.3	43
125	Canopy leaching of nutrients and metals in a mountain spruce forest. *Atmospheric Environment*, **2009**, 43, 5443-5453	5.3	42
124	Trends and seasonal patterns of bulk deposition of nutrients in the Czech Republic. *Atmospheric Environment*, **1997**, 31, 797-808	5.3	42
123	Reversibility of acidification of mountain lakes after reduction in nitrogen and sulphur emissions in Central Europe. *Limnology and Oceanography*, **1998**, 43, 357-361	4.8	42
122	Soil biochemical activity and phosphorus transformations and losses from acidified forest soils. *Soil Biology and Biochemistry*, **2004**, 36, 1569-1576	7.5	41
121	Nutrient cycling in a strongly acidified mesotrophic lake. *Limnology and Oceanography*, **2004**, 49, 1202-1218	4.8	41

120	Modelling soil nitrogen: the MAGIC model with nitrogen retention linked to carbon turnover using decomposer dynamics. *Environmental Pollution*, **2012**, 165, 158-66	9.3	40
119	Photochemical, chemical, and biological transformations of dissolved organic carbon and its effect on alkalinity production in acidified lakes Ji. *Limnology and Oceanography*, **2003**, 48, 106-117	4.8	40
118	Widespread diminishing anthropogenic effects on calcium in freshwaters. *Scientific Reports*, **2019**, 9, 10450	4.9	38
117	Effects of acidic deposition on in-lake phosphorus availability: a lesson from lakes recovering from acidification. *Environmental Science & Technology*, **2015**, 49, 2895-903	10.3	38
116	SPECTROPHOTOMETRIC DETERMINATION OF IRON, ALUMINUM, AND PHOSPHORUS IN SOIL AND SEDIMENT EXTRACTS AFTER THEIR NITRIC AND PERCHLORIC ACID DIGESTION. *Communications in Soil Science and Plant Analysis*, **2001**, 32, 1431-1443	1.5	38
115	Natural inactivation of phosphorus by aluminum in preindustrial lake sediments. *Limnology and Oceanography*, **2007**, 52, 1147-1155	4.8	37
114	Acidification in European mountain lake districts: A regional assessment of critical load exceedance. *Aquatic Sciences*, **2005**, 67, 237-251	2.5	37
113	Estimation of organic acid anion concentrations and evaluation of charge balance in atmospherically acidified colored waters. *Water Research*, **2000**, 34, 3598-3606	12.5	37
112	Effect of industrial dust on precipitation chemistry in the Czech Republic (Central Europe) from 1850 to 2013. *Water Research*, **2016**, 103, 30-37	12.5	37
111	The controls on phosphorus availability in a Boreal lake ecosystem since deglaciation. *Journal of Paleolimnology*, **2011**, 46, 107-122	2.1	36
110	Phosphorus loading of mountain lakes: Terrestrial export and atmospheric deposition. *Limnology and Oceanography*, **2011**, 56, 1343-1354	4.8	36
109	Chemical and Biochemical Characteristics of Alpine Soils in the Tatra Mountains and their Correlation with Lake Water Quality. *Water, Air, and Soil Pollution*, **2004**, 153, 307-328	2.6	36
108	Environmental factors exert strong control over the climate-growth relationships of Picea abies in Central Europe. *Science of the Total Environment*, **2017**, 609, 506-516	10.2	33
107	Speciation of Al, Fe, and P in recent sediment from three lakes in Maine, USA. *Science of the Total Environment*, **2008**, 404, 276-83	10.2	33
106	Trends in aluminium export from a mountainous area to surface waters, from deglaciation to the recent: effects of vegetation and soil development, atmospheric acidification, and nitrogen-saturation. *Journal of Inorganic Biochemistry*, **2009**, 103, 1439-48	4.2	32
105	Changes in surface water chemistry caused by natural forest dieback in an unmanaged mountain catchment. *Science of the Total Environment*, **2017**, 584-585, 971-981	10.2	31
104	What do results of common sequential fractionation and single-step extractions tell us about P binding with Fe and Al compounds in non-calcareous sediments?. *Water Research*, **2013**, 47, 547-57	12.5	31
103	Anthropogenic nitrogen emissions during the Holocene and their possible effects on remote ecosystems. *Global Biogeochemical Cycles*, **2011**, 25, n/a-n/a	5.9	31

102	Impact of Soil Sorption Characteristics and Bedrock Composition on Phosphorus Concentrations in two Bohemian Forest Lakes. *Water, Air, and Soil Pollution*, **2006**, 173, 243-259	2.6	31
101	Predicting sulphur and nitrogen deposition using a simple statistical method. *Atmospheric Environment*, **2016**, 140, 456-468	5.3	29
100	An elevation-based regional model for interpolating sulphur and nitrogen deposition. *Atmospheric Environment*, **2012**, 50, 287-296	5.3	29
99	Chemical composition of the Tatra Mountain lakes: Response to acidification. *Biologia (Poland)*, **2006**, 61, S11-S20	1.5	29
98	Carbon pools in a montane old-growth Norway spruce ecosystem in Bohemian Forest: Effects of stand age and elevation. *Forest Ecology and Management*, **2015**, 346, 106-113	3.9	28
97	Discerning environmental factors affecting current tree growth in Central Europe. *Science of the Total Environment*, **2016**, 573, 541-554	10.2	28
96	Biological recovery of the Bohemian Forest lakes from acidification. *Biologia (Poland)*, **2006**, 61, S453-S465	1.5	28
95	Excess of Organic Carbon in Mountain Spruce Forest Soils after Bark Beetle Outbreak Altered Microbial N Transformations and Mitigated N-Saturation. *PLoS ONE*, **2015**, 10, e0134165	3.7	28
94	Carbon isotopes in tree rings of Norway spruce exposed to atmospheric pollution. *Environmental Science & Technology*, **2007**, 41, 5778-82	10.3	27
93	Reconstruction of Long-Term Changes in Lake water Chemistry, Zooplankton and Benthos of a Small, Acidified High-Mountain Lake: Magic Modelling and Palaeolimnogical Analysis. *Water, Air and Soil Pollution*, **2002**, 2, 127-138		27
92	Climate Change Increasing Calcium and Magnesium Leaching from Granitic Alpine Catchments. *Environmental Science & Technology*, **2017**, 51, 159-166	10.3	25
91	Semi-micro determination of total phosphorus in soils, sediments, and organic materials: A simplified perchloric acid digestion procedure. *Communications in Soil Science and Plant Analysis*, **1995**, 26, 1935-1946	1.5	25
90	Photochemical release of humic and fulvic acid-bound metals from simulated soil and streamwater. *Journal of Environmental Monitoring*, **2009**, 11, 1064-71		24
89	A modelling assessment of acidification and recovery of European surface waters. *Hydrology and Earth System Sciences*, **2003**, 7, 447-455	5.5	24
88	Chlorophyll-phosphorus relationship in acidified lakes of the High Tatra Mountains (Slovakia). *Hydrobiologia*, **1994**, 274, 171-177	2.4	24
87	Element fluxes in watershed-lake ecosystems recovering from acidification: Plešné Lake, the Bohemian Forest, 2001–2005. *Biologia (Poland)*, **2006**, 61, S427-S440	1.5	23
86	Biomass and element pools of understory vegetation in the catchments of Čertovo Lake and Plešné Lake in the Bohemian Forest. *Biologia (Poland)*, **2006**, 61, S509-S521	1.5	23
85	Seasonal and photochemical changes of DOM in an acidified forest lake and its tributaries. *Aquatic Sciences*, **2004**, 66, 211-222	2.5	23

84	Assessing recovery from acidification of European surface waters in the year 2010: evaluation of projections made with the MAGIC model in 1995. *Environmental Science & Technology*, **2014**, 48, 13280-8	10.3	22
83	Chemical characteristics of lakes in the High Tatra Mountains, Slovakia. *Hydrobiologia*, **1994**, 274, 49-56	2.4	22
82	Increasing temperature decreases aluminum concentrations in Central European lakes recovering from acidification. *Limnology and Oceanography*, **2003**, 48, 2346-2354	4.8	21
81	Assessment of phosphorus associated with Fe and Al (hydr)oxides in sediments and soils. *Journal of Soils and Sediments*, **2015**, 15, 1620-1629	3.4	20
80	The sensitivity of water chemistry to climate in a forested, nitrogen-saturated catchment recovering from acidification. *Ecological Indicators*, **2016**, 63, 196-208	5.8	20
79	Sulphate leaching from diffuse agricultural and forest sources in a large central European catchment during 1900-2010. *Science of the Total Environment*, **2014**, 470-471, 543-50	10.2	20
78	Element fluxes in watershed-lake ecosystems recovering from acidification: Čertovo Lake, the Bohemian Forest, 2001–2005. *Biologia (Poland)*, **2006**, 61, S413-S426	1.5	19
77	Modelling reversibility of central European mountain lakes from acidification: Part II – the Tatra Mountains. *Hydrology and Earth System Sciences*, **2003**, 7, 510-524	5.5	19
76	The long-term succession of cladoceran fauna and palaeoclimate forcing: A 14,600-year record from Plešné Lake, the Bohemian Forest. *Biologia (Poland)*, **2006**, 61, S387-S399	1.5	18
75	Impact of ionic aluminium on extracellular phosphatases in acidified lakes. *Environmental Microbiology*, **2001**, 3, 578-87	5.2	18
74	Decreasing litterfall mercury deposition in central European coniferous forests and effects of bark beetle infestation. *Science of the Total Environment*, **2019**, 682, 213-225	10.2	17
73	Catchment biogeochemistry modifies long-term effects of acidic deposition on chemistry of mountain lakes. *Biogeochemistry*, **2015**, 125, 315-335	3.8	17
72	Massive occurrence of heterotrophic filaments in acidified lakes: seasonal dynamics and composition. *FEMS Microbiology Ecology*, **2003**, 46, 281-94	4.3	17
71	Long-term trends of phosphorus concentrations in an artificial lake: Socio-economic and climate drivers. *PLoS ONE*, **2017**, 12, e0186917	3.7	17
70	Increased spruce tree growth in Central Europe since 1960s. *Science of the Total Environment*, **2018**, 619-620, 1637-1647	10.2	17
69	A comparative study of long-term Hg and Pb sediment archives. *Environmental Chemistry*, **2016**, 13, 517	3.2	16
68	Constraints on the biological recovery of the Bohemian Forest lakes from acid stress. *Freshwater Biology*, **2016**, 61, 376-395	3.1	16
67	Nitrogen transformations and pools in N-saturated mountain spruce forest soils. *Biology and Fertility of Soils*, **2009**, 45, 395-404	6.1	15

66	Experimental photochemical release of organically bound aluminum and iron in three streams in Maine, USA. *Environmental Monitoring and Assessment*, **2010**, 171, 71-81	3.1	14
65	A key role of aluminium in phosphorus availability, food web structure, and plankton dynamics in strongly acidified lakes. *Biologia (Poland)*, **2006**, 61, S441-S451	1.5	14
64	Semi-Micro Determination of Ammonia in Water by the Rubazoic Acid Method. *International Journal of Environmental Analytical Chemistry*, **1993**, 53, 243-248	1.8	14
63	Changes in Soil Dissolved Organic Carbon Affect Reconstructed History and Projected Future Trends in Surface Water Acidification. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	13
62	Impact of diffuse pollution on water quality of the Vltava River (Slapy Reservoir), Czech Republic. *Water Science and Technology*, **1996**, 33, 145-152	2.2	13
61	Ammonium uptake in alpine streams in the High Tatra Mountains (Slovakia). *Hydrobiologia*, **1994**, 294, 157-165	2.4	13
60	Multiple long-term trends and trend reversals dominate environmental conditions in a man-made freshwater reservoir. *Science of the Total Environment*, **2018**, 624, 24-33	10.2	13
59	Phosphate Sorption Characteristics of European Alpine Soils. *Soil Science Society of America Journal*, **2011**, 75, 862-870	2.5	12
58	Lake water acidification and temperature have a lagged effect on the population dynamics of Isoëtes echinospora via offspring recruitment. *Ecological Indicators*, **2016**, 70, 420-430	5.8	12
57	Effects of Bark Beetle Disturbance on Soil Nutrient Retention and Lake Chemistry in Glacial Catchment. *Ecosystems*, **2019**, 22, 725-741	3.9	12
56	Coupling the resource stoichiometry and microbial biomass turnover to predict nutrient mineralization and immobilization in soil. *Geoderma*, **2021**, 385, 114884	6.7	12
55	Small-scale chemical and isotopic variability of hydrological pathways in a mountain lake catchment. *Journal of Hydrology*, **2020**, 585, 124834	6	11
54	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. *Environmental Science & Technology*, **2018**, 52, 6291-6299	10.3	11
53	A mass-balance study on chloride fluxes in a large central European catchment during 1900–2010. *Biogeochemistry*, **2014**, 120, 319-335	3.8	11
52	Estimation of tree biomass of Norway spruce forest in the Plešné Lake catchment, the Bohemian Forest. *Biologia (Poland)*, **2006**, 61, S523-S532	1.5	11
51	Modelling inorganic nitrogen in runoff: Seasonal dynamics at four European catchments as simulated by the MAGIC model. *Science of the Total Environment*, **2015**, 536, 1019-1028	10.2	10
50	Trends in riverine element fluxes: A chronicle of regional socio-economic changes. *Water Research*, **2017**, 125, 374-383	12.5	10
49	Seasonal photochemical transformations of nitrogen species in a forest stream and lake. *PLoS ONE*, **2014**, 9, e116364	3.7	10

48	Quantifying nitrogen leaching from diffuse agricultural and forest sources in a large heterogeneous catchment. *Biogeochemistry*, **2013**, 115, 149-165	3.8	10
47	Proton production by transformations of aluminium and iron in lakes. *Water Research*, **2008**, 42, 1220-8	12.5	10
46	Pools and composition of soils in the alpine zone of the Tatra Mountains. *Biologia (Poland)*, **2006**, 61, S35-S49	1.5	10
45	Tree dieback and related changes in nitrogen dynamics modify the concentrations and proportions of cations on soil sorption complex. *Ecological Indicators*, **2019**, 97, 319-328	5.8	10
44	Climate change accelerates recovery of the Tatra Mountain lakes from acidification and increases their nutrient and chlorophyll a concentrations. *Aquatic Sciences*, **2019**, 81, 1	2.5	9
43	Photochemical degradation of dissolved organic matter reduces the availability of phosphorus for aquatic primary producers. *Chemosphere*, **2018**, 193, 1018-1026	8.4	9
42	CELL-SPECIFIC EXTRACELLULAR PHOSPHATASE ACTIVITY OF DINOFLAGELLATE POPULATIONS IN ACIDIFIED MOUNTAIN LAKES1. *Journal of Phycology*, **2010**, 46, 635-644	3	9
41	Acid Rain Acidification and Recovery **2014**, 379-414		8
40	Chemical composition of modern and pre-acidification sediments in the Tatra Mountain lakes. *Biologia (Poland)*, **2006**, 61, S65-S76	1.5	8
39	Increasing silicon concentrations in Bohemian Forest lakes. *Hydrology and Earth System Sciences*, **2005**, 9, 699-706	5.5	8
38	Lacustrine systems of Clearwater Mesa (James Ross Island, north-eastern Antarctic Peninsula): geomorphological setting and limnological characterization. *Antarctic Science*, **2019**, 31, 169-188	1.7	7
37	Changes in microclimate and hydrology in an unmanaged mountain forest catchment after insect-induced tree dieback. *Science of the Total Environment*, **2020**, 720, 137518	10.2	7
36	Photochemical cleaving of allochthonous organic-metal complexes contributes to phosphorus immobilization in surface waters. *Chemosphere*, **2017**, 167, 374-381	8.4	7
35	Predicting long-term recovery of a strongly acidified stream using MAGIC and climate models (Litavka, Czech Republic). *Hydrology and Earth System Sciences*, **2008**, 12, 479-490	5.5	7
34	Concentration of nutrients in selected lakes in the High Tatra Mountains, Slovakia: effect of season and watershed. *Hydrobiologia*, **1996**, 319, 47-55	2.4	7
33	Cleaner air reveals growing influence of climate on dissolved organic carbon trends in northern headwaters. *Environmental Research Letters*, **2021**, 16, 104009	6.2	7
32	Effects of tree dieback on lake water acidity in the unmanaged catchment of Ple Lake, Czech Republic. *Limnology and Oceanography*, **2019**, 64, 1614-1626	4.8	6
31	In situ phosphorus dynamics in soil: long-term ion-exchange resin study. *Biogeochemistry*, **2018**, 139, 307-320	3.8	6

30	Forest die-back modified plankton recovery from acidic stress. *Ambio*, **2014**, 43, 207-17	6.5	6
29	Biomass and element pools of selected spruce trees in the catchments of Plešné and Čertovo Lakes in the Šumava Mts.. *Journal of Forest Science*, **2012**, 52, 482-495	0.9	6
28	Integrated ecological research of catchment-lake ecosystems in the Bohemian Forest (Central Europe): A preface. *Biologia (Poland)*, **2006**, 61, S363-S370	1.5	6
27	The chemical composition of forest soils and their degree of acidity in Central Europe. *Science of the Total Environment*, **2019**, 687, 96-103	10.2	5
26	Interaction of Climate Change and Acid Deposition **2010**, 152-179		5
25	Chemical composition of atmospheric precipitation in Czechoslovakia, 1978–1984. Event samples. *Atmospheric Environment*, **1988**, 22, 1901-1908		5
24	Long-term dynamics of watershed leaching and lake sediment sequestration of rare earth elements following deglaciation of two mountain watersheds. *Journal of Paleolimnology*, **2016**, 55, 209-222	2.1	4
23	Littoral macroinvertebrates of acidified lakes in the Bohemian Forest. *Biologia (Poland)*, **2014**, 69, 1190-1201	1.291	4
22	Spatial and temporal changes of benthic macroinvertebrate assemblages in acidified streams in the Bohemian Forest (Czech Republic). *Aquatic Insects*, **2012**, 34, 157-172	0.5	4
21	Impact of diffuse pollution on water quality of the Vltava River (slapy reservoir), Czech Republic. *Water Science and Technology*, **1996**, 33, 145	2.2	4
20	Solar Radiation as the Likely Cause of Acid-Soluble Rare-Earth Elements in Sediments of Fresh Water Humic Lakes. *Environmental Science & Technology*, **2020**, 54, 1545-1553	10.3	3
19	Sources and transport of phosphorus in the vltava river basin (czech republic). *Water Science and Technology*, **1996**, 33, 137	2.2	3
18	Direct Determination of Particulate Phosphorus in Water With Perchloric Acid Digestion of Whole Membrane Filters. *International Journal of Environmental Analytical Chemistry*, **1993**, 54, 27-30	1.8	3
17	Disruptions and re-establishment of the calcium-bicarbonate equilibrium in freshwaters. *Science of the Total Environment*, **2020**, 743, 140626	10.2	3
16	Recovery of brown trout populations in streams exposed to atmospheric acidification in the Bohemian Forest. *Folia Zoologica*, **2017**, 66, 1-10	1.3	2
15	Acidification in European mountain lake districts: A regional assessment of critical load exceedance **2005**, 67, 237		2
14	Biogeochemical causes of sixty-year trends and seasonal variations of river water properties in a large European basin. *Biogeochemistry*, **2021**, 154, 81-98	3.8	2
13	Relationships between a catchment-scale forest disturbance index, time delays, and chemical properties of surface water. *Ecological Indicators*, **2021**, 125, 107558	5.8	2

12	Effect of snowmelt on the dynamics, isotopic and chemical composition of runoff in mature and regenerated forested catchments. *Journal of Hydrology*, **2021**, 598, 126437	6	2
11	Diverse effects of accelerating climate change on chemical recovery of alpine lakes from acidic deposition in soil-rich versus scree-rich catchments. *Environmental Pollution*, **2021**, 284, 117522	9.3	2
10	Only the adults survive: A long-term resistance of Isoëtes lacustris to acidity and aluminium toxicity stress in a Bohemian Forest lake. *Ecological Indicators*, **2020**, 111, 106026	5.8	1
9	Temporal trends and spatial patterns of chironomid communities in alpine lakes recovering from acidification under accelerating climate change. *Freshwater Biology*, **2021**, 66, 2223	3.1	1
8	Chemical characteristics of lakes in the High Tatra Mountains, Slovakia **1994**, 49-56		1
7	Measurement of in situ Phosphorus Availability in Acidified Soils using Iron-Infused Resin. *Communications in Soil Science and Plant Analysis*, **2016**, 1-8	1.5	1
6	Forest damage and subsequent recovery alter the water composition in mountain lake catchments.. *Science of the Total Environment*, **2022**, 154293	10.2	1
5	Identifying factors that affect mountain lake sensitivity to atmospheric nitrogen deposition across multiple scales. *Water Research*, **2021**, 209, 117883	12.5	0
4	UV photoinitiated changes of humic fluorophores, influence of metal ions. *Photochemical and Photobiological Sciences*, **2009**, 8, 582-6	4.2	
3	Bacterial and phytoplankton responses to nutrient and pH changes during short term in situ experiments in two acidified lakes. *Algological Studies*, **2005**, 115, 79-99		
2	Chlorophyll-phosphorus relationship in acidified lakes of the High Tatra Mountains (Slovakia) **1994**, 171-177		
1	The long-term succession of cladoceran fauna and palaeoclimate forcing: A 14,600-year record from Plešné Lake, the Bohemian Forest **2006**, 61, S387		