

# Josef Hejzlar

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,794  
citations

304743

22  
h-index

276875

41  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Land Use Change to Reduce Freshwater Nitrogen and Phosphorus will Be Effective Even with Projected Climate Change. <i>Water (Switzerland)</i> , 2022, 14, 829.	2.7	4
2	Forest damage and subsequent recovery alter the water composition in mountain lake catchments. <i>Science of the Total Environment</i> , 2022, 827, 154293.	8.0	6
3	Light as a controlling factor of winter phytoplankton in a monomictic reservoir. <i>Limnologica</i> , 2022, , 125995.	1.5	1
4	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. <i>Geoscientific Model Development</i> , 2022, 15, 4597-4623.	3.6	37
5	Stable isotope evidence from archived fish scales indicates carbon cycle changes over the four-decade history of the Åmöv Reservoir (Czechia). <i>Science of the Total Environment</i> , 2021, 755, 142550.	8.0	6
6	Fluctuations in pelagic fish density linked to ambient conditions. <i>Journal of Fish Biology</i> , 2021, 98, 756-767.	1.6	1
7	Recovery of freshwater microbial communities after extreme rain events is mediated by cyclic succession. <i>Nature Microbiology</i> , 2021, 6, 479-488.	13.3	42
8	The extent and variability of stormâ€induced temperature changes in lakes measured with longâ€term and highâ€frequency data. <i>Limnology and Oceanography</i> , 2021, 66, 1979-1992.	3.1	10
9	Biogeochemical causes of sixty-year trends and seasonal variations of river water properties in a large European basin. <i>Biogeochemistry</i> , 2021, 154, 81-98.	3.5	4
10	Relationships between a catchment-scale forest disturbance index, time delays, and chemical properties of surface water. <i>Ecological Indicators</i> , 2021, 125, 107558.	6.3	7
11	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	27.8	267
12	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyllâ€a</i> in north temperate lakes. <i>Global Change Biology</i> , 2021, 27, 4615-4629.	9.5	22
13	Hidden treasures: Human-made aquatic ecosystems harbour unexplored opportunities. <i>Ambio</i> , 2020, 49, 531-540.	5.5	28
14	Changing environmental conditions underpin long-term patterns of phytoplankton in a freshwater reservoir. <i>Science of the Total Environment</i> , 2020, 710, 135626.	8.0	25
15	Disruptions and re-establishment of the calcium-bicarbonate equilibrium in freshwaters. <i>Science of the Total Environment</i> , 2020, 743, 140626.	8.0	4
16	Impact of nutrients and water level changes on submerged macrophytes along a temperature gradient: A panâ€European mesocosm experiment. <i>Global Change Biology</i> , 2020, 26, 6831-6851.	9.5	33
17	Storm impacts on phytoplankton community dynamics in lakes. <i>Global Change Biology</i> , 2020, 26, 2756-2784.	9.5	144
18	Changes in microclimate and hydrology in an unmanaged mountain forest catchment after insect-induced tree dieback. <i>Science of the Total Environment</i> , 2020, 720, 137518.	8.0	19

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19	Widespread diminishing anthropogenic effects on calcium in freshwaters. <i>Scientific Reports</i> , 2019, 9, 10450.	3.3	84
20	Seasonal strengths of the abiotic and biotic drivers of a zooplankton community. <i>Freshwater Biology</i> , 2019, 64, 1326-1341.	2.4	8
21	Effects of trophic status, water level, and temperature on shallow lake metabolism and metabolic balance: A standardized pan-European mesocosm experiment. <i>Limnology and Oceanography</i> , 2019, 64, 616-631.	3.1	23
22	Multiple long-term trends and trend reversals dominate environmental conditions in a man-made freshwater reservoir. <i>Science of the Total Environment</i> , 2018, 624, 24-33.	8.0	19
23	Isotopic response of runoff to forest disturbance in small mountain catchments. <i>Hydrological Processes</i> , 2018, 32, 3650-3661.	2.6	14
24	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6291-6299.	10.0	23
25	Effects of nutrient and water level changes on the composition and size structure of zooplankton communities in shallow lakes under different climatic conditions: a pan-European mesocosm experiment. <i>Aquatic Ecology</i> , 2017, 51, 257-273.	1.5	23
26	Climate Change Increasing Calcium and Magnesium Leaching from Granitic Alpine Catchments. <i>Environmental Science &amp; Technology</i> , 2017, 51, 159-166.	10.0	35
27	Trends in riverine element fluxes: A chronicle of regional socio-economic changes. <i>Water Research</i> , 2017, 125, 374-383.	11.3	15
28	Long-term trends of phosphorus concentrations in an artificial lake: Socio-economic and climate drivers. <i>PLoS ONE</i> , 2017, 12, e0186917.	2.5	25
29	Lake water acidification and temperature have a lagged effect on the population dynamics of <i>Isoetes echinospora</i> via offspring recruitment. <i>Ecological Indicators</i> , 2016, 70, 420-430.	6.3	13
30	Effect of industrial dust on precipitation chemistry in the Czech Republic (Central Europe) from 1850 to 2013. <i>Water Research</i> , 2016, 103, 30-37.	11.3	53
31	The influence of nutrient loading, climate and water depth on nitrogen and phosphorus loss in shallow lakes: a pan-European mesocosm experiment. <i>Hydrobiologia</i> , 2016, 778, 13-32.	2.0	17
32	The sensitivity of water chemistry to climate in a forested, nitrogen-saturated catchment recovering from acidification. <i>Ecological Indicators</i> , 2016, 63, 196-208.	6.3	34
33	Catchment biogeochemistry modifies long-term effects of acidic deposition on chemistry of mountain lakes. <i>Biogeochemistry</i> , 2015, 125, 315-335.	3.5	21
34	Effects of water temperature on summer periphyton biomass in shallow lakes: a pan-European mesocosm experiment. <i>Aquatic Sciences</i> , 2015, 77, 499-510.	1.5	34
35	Assessment of phosphorus associated with Fe and Al (hydr)oxides in sediments and soils. <i>Journal of Soils and Sediments</i> , 2015, 15, 1620-1629.	3.0	27
36	Sulphate leaching from diffuse agricultural and forest sources in a large central European catchment during 1900–2010. <i>Science of the Total Environment</i> , 2014, 470-471, 543-550.	8.0	21

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37	A mass-balance study on chloride fluxes in a large central European catchment during 1900–2010. <i>Biogeochemistry</i> , 2014, 120, 319-335.	3.5	14
38	Factors Controlling the Export of Nitrogen from Agricultural Land in a Large Central European Catchment during 1900–2010. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6400-6407.	10.0	56
39	Quantifying nitrogen leaching from diffuse agricultural and forest sources in a large heterogeneous catchment. <i>Biogeochemistry</i> , 2013, 115, 149-165.	3.5	13
40	An elevation-based regional model for interpolating sulphur and nitrogen deposition. <i>Atmospheric Environment</i> , 2012, 50, 287-296.	4.1	32
41	Phosphorus loading of mountain lakes: Terrestrial export and atmospheric deposition. <i>Limnology and Oceanography</i> , 2011, 56, 1343-1354.	3.1	56
42	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. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1439-1448.	3.5	34
43	Proton production by transformations of aluminium and iron in lakes. <i>Water Research</i> , 2008, 42, 1220-1228.	11.3	10
44	Natural inactivation of phosphorus by aluminum in preindustrial lake sediments. <i>Limnology and Oceanography</i> , 2007, 52, 1147-1155.	3.1	49
45	Element fluxes in watershed-lake ecosystems recovering from acidification: Āertovo Lake, the Bohemian Forest, 2001–2005. <i>Biologia (Poland)</i> , 2006, 61, S413-S426.	1.5	21
46	Element fluxes in watershed-lake ecosystems recovering from acidification: PlešnĀ Lake, the Bohemian Forest, 2001–2005. <i>Biologia (Poland)</i> , 2006, 61, S427-S440.	1.5	23
47	Phosphorus uptake by suspended and settling seston in a stratified reservoir. <i>Hydrobiologia</i> , 2003, 504, 39-49.	2.0	16
48	Evaluation of the long term monitoring of phytoplankton assemblages in a canyon-shape reservoir using multivariate statistical methods. <i>Hydrobiologia</i> , 2003, 504, 143-157.	2.0	37
49	The apparent and potential effects of climate change on the inferred concentration of dissolved organic matter in a temperate stream (the MalĀje River, South Bohemia). <i>Science of the Total Environment</i> , 2003, 310, 143-152.	8.0	161
50	Natural inactivation of phosphorus by aluminum in atmospherically acidified water bodies. <i>Water Research</i> , 2001, 35, 3783-3790.	11.3	61
51	Reversibility of acidification of mountain lakes after reduction in nitrogen and sulphur emissions in Central Europe. <i>Limnology and Oceanography</i> , 1998, 43, 357-361.	3.1	62