Josef Hejzlar

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5834873/publications.pdf

Version: 2024-02-01

51	1,794	304743	276875
papers	citations	22 h-index	41 g-index

54	54	54	1990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Widespread deoxygenation of temperate lakes. Nature, 2021, 594, 66-70.	27.8	267
2	The apparent and potential effects of climate change on the inferred concentration of dissolved organic matter in a temperate stream (the MalÅ¡e River, South Bohemia). Science of the Total Environment, 2003, 310, 143-152.	8.0	161
3	Storm impacts on phytoplankton community dynamics in lakes. Global Change Biology, 2020, 26, 2756-2784.	9.5	144
4	Widespread diminishing anthropogenic effects on calcium in freshwaters. Scientific Reports, 2019, 9, 10450.	3.3	84
5	Reversibility of acidification of mountain lakes after reduction in nitrogen and sulphur emissions in Central Europe. Limnology and Oceanography, 1998, 43, 357-361.	3.1	62
6	Natural inactivation of phosphorus by aluminum in atmospherically acidified water bodies. Water Research, 2001, 35, 3783-3790.	11.3	61
7	Phosphorus loading of mountain lakes: Terrestrial export and atmospheric deposition. Limnology and Oceanography, 2011, 56, 1343-1354.	3.1	56
8	Factors Controlling the Export of Nitrogen from Agricultural Land in a Large Central European Catchment during 1900â€“2010. Environmental Science & Technology, 2013, 47, 6400-6407.	10.0	56
9	Effect of industrial dust on precipitation chemistry in the Czech Republic (Central Europe) from 1850 to 2013. Water Research, 2016, 103, 30-37.	11.3	53
10	Natural inactivation of phosphorus by aluminum in preindustrial lake sediments. Limnology and Oceanography, 2007, 52, 1147-1155.	3.1	49
11	Recovery of freshwater microbial communities after extreme rain events is mediated by cyclic succession. Nature Microbiology, 2021, 6, 479-488.	13.3	42
12	Evaluation of the long term monitoring of phytoplankton assemblages in a canyon-shape reservoir using multivariate statistical methods. Hydrobiologia, 2003, 504, 143-157.	2.0	37
13	A framework for ensemble modelling of climate change impacts on lakes worldwide: the ISIMIP Lake Sector. Geoscientific Model Development, 2022, 15, 4597-4623.	3.6	37
14	Climate Change Increasing Calcium and Magnesium Leaching from Granitic Alpine Catchments. Environmental Science & Technology, 2017, 51, 159-166.	10.0	35
15	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, 1439-1448.	3.5	34
16	Effects of water temperature on summer periphyton biomass in shallow lakes: a pan-European mesocosm experiment. Aquatic Sciences, 2015, 77, 499-510.	1.5	34
17	The sensitivity of water chemistry to climate in a forested, nitrogen-saturated catchment recovering from acidification. Ecological Indicators, 2016, 63, 196-208.	6.3	34
18	Impact of nutrients and water level changes on submerged macrophytes along a temperature gradient: A panâ€European mesocosm experiment. Global Change Biology, 2020, 26, 6831-6851.	9.5	33

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19	An elevation-based regional model for interpolating sulphur and nitrogen deposition. Atmospheric Environment, 2012, 50, 287-296.	4.1	32
20	Hidden treasures: Human-made aquatic ecosystems harbour unexplored opportunities. Ambio, 2020, 49, 531-540.	5.5	28
21	Assessment of phosphorus associated with Fe and Al (hydr)oxides in sediments and soils. Journal of Soils and Sediments, 2015, 15, 1620-1629.	3.0	27
22	Changing environmental conditions underpin long-term patterns of phytoplankton in a freshwater reservoir. Science of the Total Environment, 2020, 710, 135626.	8.0	25
23	Long-term trends of phosphorus concentrations in an artificial lake: Socio-economic and climate drivers. PLoS ONE, 2017, 12, e0186917.	2.5	25
24	Element fluxes in watershed-lake ecosystems recovering from acidification: PleÅ¡nÃ© Lake, the Bohemian Forest, 2001â€“2005. Biologia (Poland), 2006, 61, S427-S440.	1.5	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. Aquatic Ecology, 2017, 51, 257-273.	1.5	23
26	Factors Affecting the Leaching of Dissolved Organic Carbon after Tree Dieback in an Unmanaged European Mountain Forest. Environmental Science & Technology, 2018, 52, 6291-6299.	10.0	23
27	Effects of trophic status, water level, and temperature on shallow lake metabolism and metabolic balance: A standardized panâ€European mesocosm experiment. Limnology and Oceanography, 2019, 64, 616-631.	3.1	23
28	Earlier winter/spring runoff and snowmelt during warmer winters lead to lower summer chlorophyllâ€a in north temperate lakes. Global Change Biology, 2021, 27, 4615-4629.	9.5	22
29	Element fluxes in watershed-lake ecosystems recovering from acidification: ÄŒertovo Lake, the Bohemian Forest, 2001â€“2005. Biologia (Poland), 2006, 61, S413-S426.	1.5	21
30	Sulphate leaching from diffuse agricultural and forest sources in a large central European catchment during 1900â€“2010. Science of the Total Environment, 2014, 470-471, 543-550.	8.0	21
31	Catchment biogeochemistry modifies long-term effects of acidic deposition on chemistry of mountain lakes. Biogeochemistry, 2015, 125, 315-335.	3.5	21
32	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.	8.0	19
33	Changes in microclimate and hydrology in an unmanaged mountain forest catchment after insect-induced tree dieback. Science of the Total Environment, 2020, 720, 137518.	8.0	19
34	The influence of nutrient loading, climate and water depth on nitrogen and phosphorus loss in shallow lakes: a pan-European mesocosm experiment. Hydrobiologia, 2016, 778, 13-32.	2.0	17
35	Phosphorus uptake by suspended and settling seston in a stratified reservoir. Hydrobiologia, 2003, 504, 39-49.	2.0	16
36	Trends in riverine element fluxes: A chronicle of regional socio-economic changes. Water Research, 2017, 125, 374-383.	11.3	15

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37	A mass-balance study on chloride fluxes in a large central European catchment during 1900â€“2010. Biogeochemistry, 2014, 120, 319-335.	3.5	14
38	Isotopic response of runâ€off to forest disturbance in small mountain catchments. Hydrological Processes, 2018, 32, 3650-3661.	2.6	14
39	Quantifying nitrogen leaching from diffuse agricultural and forest sources in a large heterogeneous catchment. Biogeochemistry, 2013, 115, 149-165.	3.5	13
40	Lake water acidification and temperature have a lagged effect on the population dynamics of IsoÃ«tes echinospora via offspring recruitment. Ecological Indicators, 2016, 70, 420-430.	6.3	13
41	Proton production by transformations of aluminium and iron in lakes. Water Research, 2008, 42, 1220-1228.	11.3	10
42	The extent and variability of stormâ€induced temperature changes in lakes measured with longâ€term and highâ€frequency data. Limnology and Oceanography, 2021, 66, 1979-1992.	3.1	10
43	Seasonal strengths of the abiotic and biotic drivers of a zooplankton community. Freshwater Biology, 2019, 64, 1326-1341.	2.4	8
44	Relationships between a catchment-scale forest disturbance index, time delays, and chemical properties of surface water. Ecological Indicators, 2021, 125, 107558.	6.3	7
45	Stable isotope evidence from archived fish scales indicates carbon cycle changes over the four-decade history of the Å˜Ãmov Reservoir (Czechia). Science of the Total Environment, 2021, 755, 142550.	8.0	6
46	Forest damage and subsequent recovery alter the water composition in mountain lake catchments. Science of the Total Environment, 2022, 827, 154293.	8.0	6
47	Disruptions and re-establishment of the calcium-bicarbonate equilibrium in freshwaters. Science of the Total Environment, 2020, 743, 140626.	8.0	4
48	Biogeochemical causes of sixty-year trends and seasonal variations of river water properties in a large European basin. Biogeochemistry, 2021, 154, 81-98.	3.5	4
49	Land Use Change to Reduce Freshwater Nitrogen and Phosphorus will Be Effective Even with Projected Climate Change. Water (Switzerland), 2022, 14, 829.	2.7	4
50	Fluctuations in pelagic fish density linked to ambient conditions. Journal of Fish Biology, 2021, 98, 756-767.	1.6	1
51	Light as a controlling factor of winter phytoplankton in a monomictic reservoir. Limnologica, 2022, , 125995.	1.5	1