

Kasper Reitzel

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,840
citations

172386

29
h-index

189801

50
g-index

53
all docs

53
docs citations

53
times ranked

1892
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of climate change and eutrophication on phosphorus forms in sediment: Results from a long-term lake mesocosm experiment. <i>Science of the Total Environment</i> , 2022, 825, 153751.	3.9	7
2	Quantification of Biologically and Chemically Bound Phosphorus in Activated Sludge from Full-Scale Plants with Biological P-Removal. <i>Environmental Science & Technology</i> , 2022, 56, 5132-5140.	4.6	15
3	External Phosphorus Loading in New Lakes. <i>Water (Switzerland)</i> , 2022, 14, 1008.	1.2	5
4	Variation in Phosphorus Speciation of Sewage Sludge throughout Three Wastewater Treatment Plants: Determined by Sequential Extraction Combined with Microscopy, NMR Spectroscopy, and Powder X-ray Diffraction. <i>Environmental Science & Technology</i> , 2022, 56, 8975-8983.	4.6	15
5	The effects of age on the demography of a perennial plant depend on interactions with size and environment. <i>Journal of Ecology</i> , 2021, 109, 1068-1077.	1.9	7
6	Drivers of large-scale spatial demographic variation in a perennial plant. <i>Ecosphere</i> , 2021, 12, e03356.	1.0	7
7	Calcium Affects Polyphosphate and Lipid Accumulation in Mucoromycota Fungi. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 300.	1.5	16
8	The combined effects of macrophytes (<i>Vallisneria spiralis</i>) and a lanthanum-modified bentonite on water quality of shallow eutrophic lakes: A mesocosm study. <i>Environmental Pollution</i> , 2021, 277, 116720.	3.7	23
9	Holocene lake phosphorus species and primary producers reflect catchment processes in a small, temperate lake. <i>Ecological Monographs</i> , 2021, 91, e01455.	2.4	4
10	Quantitative determination of vivianite in sewage sludge by a phosphate extraction protocol validated by PXRD, SEM-EDS, and ³¹ P NMR spectroscopy towards efficient vivianite recovery. <i>Water Research</i> , 2021, 202, 117411.	5.3	23
11	Phosphorus speciation and fertiliser performance characteristics: A comparison of waste recovered struvites from global sources. <i>Geoderma</i> , 2020, 362, 114096.	2.3	34
12	Reduction of Internal Phosphorus Load in New Lakes by Pretreatment of the Former Agricultural Soil—Methods, Ecological Results and Costs. <i>Sustainability</i> , 2020, 12, 3575.	1.6	1
13	New Training to Meet the Global Phosphorus Challenge. <i>Environmental Science & Technology</i> , 2019, 53, 8479-8481.	4.6	29
14	Role of Groundwater-Borne Geogenic Phosphorus for the Internal P Release in Shallow Lakes. <i>Water (Switzerland)</i> , 2019, 11, 1783.	1.2	13
15	Extraction and quantification of polyphosphates in activated sludge from waste water treatment plants by ³¹ P NMR spectroscopy. <i>Water Research</i> , 2019, 157, 346-355.	5.3	32
16	Dissolved Inorganic Geogenic Phosphorus Load to a Groundwater-Fed Lake: Implications of Terrestrial Phosphorus Cycling by Groundwater. <i>Water (Switzerland)</i> , 2019, 11, 2213.	1.2	16
17	Evaluation of dried amorphous ferric hydroxide CFH-12 [®] as agent for binding bioavailable phosphorus in lake sediments. <i>Science of the Total Environment</i> , 2018, 628-629, 990-996.	3.9	29
18	Influence of pH and redox on mobilization of inositol hexakisphosphate from oligotrophic lake sediment. <i>Biogeochemistry</i> , 2018, 140, 15-30.	1.7	3

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19	The importance of catchment vegetation for alkalinity, phosphorus burial and macrophytes as revealed by a recent paleolimnological study in a soft water lake. <i>Science of the Total Environment</i> , 2017, 580, 1097-1107.	3.9	11
20	The influence of lake water alkalinity and humic substances on particle dispersion and lanthanum desorption from a lanthanum modified bentonite. <i>Water Research</i> , 2017, 125, 191-200.	5.3	33
21	Editorial "A critical perspective on geo-engineering for eutrophication management in lakes. <i>Water Research</i> , 2016, 97, 1-10.	5.3	203
22	Simulated drawdown and rewetting of littoral sediments: implications for Lobelia lake management. <i>Hydrobiologia</i> , 2016, 778, 137-150.	1.0	1
23	Responses in sediment phosphorus and lanthanum concentrations and composition across 10 lakes following applications of lanthanum modified bentonite. <i>Water Research</i> , 2016, 97, 101-110.	5.3	70
24	Eutrophication management in surface waters using lanthanum modified bentonite: A review. <i>Water Research</i> , 2016, 97, 162-174.	5.3	252
25	Longevity and effectiveness of aluminum addition to reduce sediment phosphorus release and restore lake water quality. <i>Water Research</i> , 2016, 97, 122-132.	5.3	141
26	Influence of dissolved organic carbon on the efficiency of P sequestration by a lanthanum modified clay. <i>Water Research</i> , 2016, 97, 39-46.	5.3	85
27	Long-term efficiency of lake restoration by chemical phosphorus precipitation: Scenario analysis with a phosphorus balance model. <i>Water Research</i> , 2016, 97, 153-161.	5.3	39
28	Evaluation of aluminum treatment efficiency on water quality and internal phosphorus cycling in six Danish lakes. <i>Hydrobiologia</i> , 2015, 751, 189-199.	1.0	49
29	Characterization of biogenic phosphorus in outflow water from constructed wetlands. <i>Geoderma</i> , 2015, 257-258, 58-66.	2.3	8
30	Identification of inositol hexakisphosphate binding sites in soils by selective extraction and solution ³¹ P NMR spectroscopy. <i>Geoderma</i> , 2015, 257-258, 22-28.	2.3	37
31	Characterization of Phosphate Sequestration by a Lanthanum Modified Bentonite Clay: A Solid-State NMR, EXAFS, and PXRD Study. <i>Environmental Science & Technology</i> , 2015, 49, 4559-4566.	4.6	113
32	Geo-Engineering in Lakes: A Crisis of Confidence?. <i>Environmental Science & Technology</i> , 2014, 48, 9977-9979.	4.6	74
33	Geoengineering in lakes: welcome attraction or fatal distraction?. <i>Inland Waters</i> , 2014, 4, 349-356.	1.1	76
34	Resuspension-mediated aluminium and phosphorus distribution in lake sediments after aluminium treatment. <i>Hydrobiologia</i> , 2013, 701, 79-88.	1.0	26
35	Effects of Phoslock® treatment and chironomids on the exchange of nutrients between sediment and water. <i>Hydrobiologia</i> , 2013, 703, 189-202.	1.0	60
36	pH dependent dissolution of sediment aluminum in six Danish lakes treated with aluminum. <i>Water Research</i> , 2013, 47, 1409-1420.	5.3	72

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37	Phosphate adsorption by lanthanum modified bentonite clay in fresh and brackish water. <i>Water Research</i> , 2013, 47, 2787-2796.	5.3	141
38	Diagenesis of settling seston: identity and transformations of organic phosphorus. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1098.	2.1	27
39	Occurrence of orthophosphate monoesters in lake sediments: significance of myo- and scyllo-inositol hexakisphosphate. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2328.	2.1	59
40	Changed cycling of P, N, Si, and DOC in Danish Lake Nordborg after aluminum treatment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 842-856.	0.7	35
41	Chemical Lake Restoration Products: Sediment Stability and Phosphorus Dynamics. <i>Environmental Science & Technology</i> , 2010, 44, 985-991.	4.6	110
42	Identification of Dissolved Nonreactive Phosphorus in Freshwater by Precipitation with Aluminum and Subsequent ³¹ P NMR Analysis. <i>Environmental Science & Technology</i> , 2009, 43, 5391-5397.	4.6	34
43	Sediment Phosphorus Extractants for Phosphorus-31 Nuclear Magnetic Resonance Analysis. <i>Journal of Environmental Quality</i> , 2007, 36, 892-898.	1.0	43
44	Degradation rates of organic phosphorus in lake sediment. <i>Biogeochemistry</i> , 2007, 82, 15-28.	1.7	157
45	Characterization of phosphorus in sequential extracts from lake sediments using ³¹ P nuclear magnetic resonance spectroscopy. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1686-1699.	0.7	63
46	Effects of aluminum treatment on phosphorus, carbon, and nitrogen distribution in lake sediment: A ³¹ P NMR study. <i>Water Research</i> , 2006, 40, 647-654.	5.3	75
47	Biogenic phosphorus in oligotrophic mountain lake sediments: Differences in composition measured with NMR spectroscopy. <i>Water Research</i> , 2006, 40, 3705-3712.	5.3	73
48	Degradation of organic phosphorus compounds in anoxic Baltic Sea sediments: A ³¹ P nuclear magnetic resonance study. <i>Limnology and Oceanography</i> , 2006, 51, 2341-2348.	1.6	68
49	Lake Restoration by Dosing Aluminum Relative to Mobile Phosphorus in the Sediment. <i>Environmental Science & Technology</i> , 2005, 39, 4134-4140.	4.6	179
50	Effects of aluminum, iron, oxygen and nitrate additions on phosphorus release from the sediment of a Danish softwater lake. <i>Hydrobiologia</i> , 2003, 492, 139-149.	1.0	87
51	Testing aluminum addition as a tool for lake restoration in shallow, eutrophic Lake Sønderby, Denmark. <i>Hydrobiologia</i> , 2003, 506-509, 781-787.	1.0	52