

Kevin C Rose

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,335
citations

159585
30
h-index

197818
49
g-index

54
all docs

54
docs citations

54
times ranked

3955
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 275-301.	2.9	40
2	Creating and Managing Data From High-Frequency Environmental Sensors. , 2022, , 549-569.		1
3	Atmospheric stilling and warming air temperatures drive long-term changes in lake stratification in a large oligotrophic lake. <i>Limnology and Oceanography</i> , 2021, 66, 954-964.	3.1	25
4	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1-67.	2.9	93
5	Macrosystems revisited: challenges and successes in a new subdiscipline of ecology. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 4-10.	4.0	11
6	Lake browning generates a spatiotemporal mismatch between dissolved organic carbon and limiting nutrients. <i>Limnology and Oceanography Letters</i> , 2021, 6, 182-191.	3.9	17
7	Smoke from regional wildfires alters lake ecology. <i>Scientific Reports</i> , 2021, 11, 10922.	3.3	15
8	Predicting arctic-alpine lake dissolved oxygen responses to future tree line advance at the Swedish forest-tundra transition zone. <i>Global Change Biology</i> , 2021, 27, 4207-4209.	9.5	1
9	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	27.8	267
10	Integrating Inland and Coastal Water Quality Data for Actionable Knowledge. <i>Remote Sensing</i> , 2021, 13, 2899.	4.0	20
11	LakeEnsemblR: An R package that facilitates ensemble modelling of lakes. <i>Environmental Modelling and Software</i> , 2021, 143, 105101.	4.5	21
12	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 542-584.	2.9	59
13	Prevalence of phytoplankton limitation by both nitrogen and phosphorus related to nutrient stoichiometry, land use, and primary producer biomass across the northeastern United States. <i>Inland Waters</i> , 2020, 10, 42-50.	2.2	18
14	Patterns of spectral, spatial, and long-term variability in light attenuation in an optically complex sub-estuary. <i>Limnology and Oceanography</i> , 2019, 64, S257.	3.1	23
15	Decoupled trophic responses to long-term recovery from acidification and associated browning in lakes. <i>Global Change Biology</i> , 2019, 25, 1779-1792.	9.5	35
16	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	23.7	156
17	The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 717-746.	2.9	108
18	ASLO Activities Focus on Meeting the Needs of Early Career Members. <i>Limnology and Oceanography Bulletin</i> , 2019, 28, 76-78.	0.4	0

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19	Long-term dataset on aquatic responses to concurrent climate change and recovery from acidification. <i>Scientific Data</i> , 2018, 5, 180059.	5.3	10
20	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 127-179.	2.9	177
21	Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: The relative importance of light and thermal stratification. <i>Limnology and Oceanography</i> , 2018, 63, 628-646.	3.1	119
22	Global lake response to the recent warming hiatus. <i>Environmental Research Letters</i> , 2018, 13, 054005.	5.2	25
23	Wind and trophic status explain within and among-lake variability of algal biomass. <i>Limnology and Oceanography Letters</i> , 2018, 3, 409-418.	3.9	24
24	Life in Transition: ASLO and Early Career Scientists. <i>Limnology and Oceanography Bulletin</i> , 2018, 27, 133-135.	0.4	1
25	Carbon quality regulates the temperature dependence of aquatic ecosystem respiration. <i>Freshwater Biology</i> , 2018, 63, 1407-1419.	2.4	18
26	Long-term trends and synchrony in dissolved organic matter characteristics in Wisconsin, USA, lakes: Quality, not quantity, is highly sensitive to climate. <i>Journal of Geophysical Research: Biogeosciences</i> , 2017, 122, 546-561.	3.0	45
27	A river runs through it Where the Water Goes: Life and Death Along the Colorado River <i>David Owen</i> Riverhead Books, 2017. 288 pp.. <i>Science</i> , 2017, 356, 146-146.	12.6	0
28	Seasonality of change: Summer warming rates do not fully represent effects of climate change on lake temperatures. <i>Limnology and Oceanography</i> , 2017, 62, 2168-2178.	3.1	80
29	Historical foundations and future directions in macrosystems ecology. <i>Ecology Letters</i> , 2017, 20, 147-157.	6.4	49
30	Climate change-induced increases in precipitation are reducing the potential for solar ultraviolet radiation to inactivate pathogens in surface waters. <i>Scientific Reports</i> , 2017, 7, 13033.	3.3	62
31	Nutrients associated with terrestrial dissolved organic matter drive changes in zooplankton:phytoplankton biomass ratios in an alpine lake. <i>Freshwater Biology</i> , 2017, 62, 40-51.	2.4	47
32	The potential of high-frequency profiling to assess vertical and seasonal patterns of phytoplankton dynamics in lakes: an extension of the Plankton Ecology Group (PEG) model. <i>Inland Waters</i> , 2016, 6, 565-580.	2.2	34
33	Diel Surface Temperature Range Scales with Lake Size. <i>PLoS ONE</i> , 2016, 11, e0152466.	2.5	89
34	Climate-induced warming of lakes can be either amplified or suppressed by trends in water clarity. <i>Limnology and Oceanography Letters</i> , 2016, 1, 44-53.	3.9	115
35	Global patterns of light saturation and photoinhibition of lake primary production. <i>Inland Waters</i> , 2016, 6, 593-607.	2.2	28
36	Insights from the Global Lake Ecological Observatory Network (GLEON). <i>Inland Waters</i> , 2016, 6, 476-482.	2.2	14

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37	Behavioral responses of freshwater calanoid copepods to the presence of ultraviolet radiation: avoidance and attraction. <i>Journal of Plankton Research</i> , 2016, 38, 16-26.	1.8	28
38	Does allochthony in lakes change across an elevation gradient?. <i>Ecology</i> , 2015, 96, 3281-3291.	3.2	34
39	Diel vertical migration of copepods in mountain lakes: The changing role of ultraviolet radiation across a transparency gradient. <i>Limnology and Oceanography</i> , 2015, 60, 252-262.	3.1	40
40	Light attenuation characteristics of glacially-affected lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1446-1457.	3.0	74
41	Lakes as sensors in the landscape: Optical metrics as scalable sentinel responses to climate change. <i>Limnology and Oceanography</i> , 2014, 59, 840-850.	3.1	81
42	Effects of UV radiation on aquatic ecosystems and interactions with other environmental factors. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 108-126.	2.9	301
43	Ecosystem respiration: Drivers of daily variability and background respiration in lakes around the globe. <i>Limnology and Oceanography</i> , 2013, 58, 849-866.	3.1	195
44	Response of phytoplankton in an alpine lake to inputs of dissolved organic matter through nutrient enrichment and trophic forcing. <i>Limnology and Oceanography</i> , 2013, 58, 867-880.	3.1	64
45	Physical responses of small temperate lakes to variation in dissolved organic carbon concentrations. <i>Limnology and Oceanography</i> , 2013, 58, 921-931.	3.1	146
46	The role of ultraviolet radiation and fish in regulating the vertical distribution of <i>Daphnia</i> . <i>Limnology and Oceanography</i> , 2012, 57, 1867-1876.	3.1	36
47	Lake-size dependency of wind shear and convection as controls on gas exchange. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	199
48	Time-scale dependence in numerical simulations: Assessment of physical, chemical, and biological predictions in a stratified lake at temporal scales of hours to months. <i>Environmental Modelling and Software</i> , 2012, 35, 104-121.	4.5	55
49	Implications of climate change for <i>Daphnia</i> in alpine lakes: predictions from long-term dynamics, spatial distribution, and a short-term experiment. <i>Hydrobiologia</i> , 2011, 676, 263-277.	2.0	25
50	Ultraviolet radiation affects invasibility of lake ecosystems by warm-water fish. <i>Ecology</i> , 2010, 91, 882-890.	3.2	26
51	Ultraviolet Insights: Attempting to Resolve Enigmatic Patterns in Pelagic Freshwaters â€” The Historical Context and a View to the Future. <i>International Review of Hydrobiology</i> , 2009, 94, 129-142.	0.9	13
52	Modeling dissolved organic carbon in subalpine and alpine lakes with GIS and remote sensing. <i>Landscape Ecology</i> , 2009, 24, 807-816.	4.2	31
53	Differences in UV transparency and thermal structure between alpine and subalpine lakes: implications for organisms. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1244-1256.	2.9	103
54	Patterns of spatial and temporal variability of UV transparency in Lake Tahoe, Californiaâ€”Nevada. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37