Kevin C Rose

List of Publications by Year
in descending order

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	Effects of UV radiation on aquatic ecosystems and interactions with other environmental factors. Photochemical and Photobiological Sciences, 2014, 14, 108-126.	2.9	301
2	Widespread deoxygenation of temperate lakes. Nature, 2021, 594, 66-70.	27.8	267
3	Lakeâ€size dependency of wind shear and convection as controls on gas exchange. Geophysical Research Letters, 2012, 39, .	4.0	199
4	Ecosystem respiration: Drivers of daily variability and background respiration in lakes around the globe. Limnology and Oceanography, 2013, 58, 849-866.	3.1	195
5	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. Photochemical and Photobiological Sciences, 2018, 17, 127-179.	2.9	177
6	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. Nature Sustainability, 2019, 2, 569-579.	23.7	156
7	Physical responses of small temperate lakes to variation in dissolved organic carbon concentrations. Limnology and Oceanography, 2013, 58, 921-931.	3.1	146
8	Patterns and drivers of deep chlorophyll maxima structure in 100 lakes: The relative importance of light and thermal stratification. Limnology and Oceanography, 2018, 63, 628-646.	3.1	119
9	Climateâ€induced warming of lakes can be either amplified or suppressed by trends in water clarity. Limnology and Oceanography Letters, 2016, 1, 44-53.	3.9	115
10	The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. Photochemical and Photobiological Sciences, 2019, 18, 717-746.	2.9	108
11	Differences in UV transparency and thermal structure between alpine and subalpine lakes: implications for organisms. Photochemical and Photobiological Sciences, 2009, 8, 1244-1256.	2.9	103
12	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. Photochemical and Photobiological Sciences, 2021, 20, 1-67.	2.9	93
13	Diel Surface Temperature Range Scales with Lake Size. PLoS ONE, 2016, 11, e0152466.	2.5	89
14	Lakes as sensors in the landscape: Optical metrics as scalable sentinel responses to climate change. Limnology and Oceanography, 2014, 59, 840-850.	3.1	81
15	Seasonality of change: Summer warming rates do not fully represent effects of climate change on lake temperatures. Limnology and Oceanography, 2017, 62, 2168-2178.	3.1	80
16	Light attenuation characteristics of glaciallyâ€fed lakes. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1446-1457.	3.0	74
17	Response of phytoplankton in an alpine lake to inputs of dissolved organic matter through nutrient enrichment and trophic forcing. Limnology and Oceanography, 2013, 58, 867-880.	3.1	64
18	Climate change-induced increases in precipitation are reducing the potential for solar ultraviolet radiation to inactivate pathogens in surface waters. Scientific Reports, 2017, 7, 13033.	3.3	62

#	Article	IF	Citations
19	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. Photochemical and Photobiological Sciences, 2020, 19, 542-584.	2.9	59
20	Time-scale dependence in numerical simulations: Assessment of physical, chemical, and biological predictions in a stratified lake at temporal scales of hours to months. Environmental Modelling and Software, 2012, 35, 104-121.	4.5	55
21	Historical foundations and future directions in macrosystems ecology. Ecology Letters, 2017, 20, 147-157.	6.4	49
22	Nutrients associated with terrestrial dissolved organic matter drive changes in zooplankton:phytoplankton biomass ratios in an alpine lake. Freshwater Biology, 2017, 62, 40-51.	2.4	47
23	Longâ€term trends and synchrony in dissolved organic matter characteristics in Wisconsin, USA, lakes: Quality, not quantity, is highly sensitive to climate. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 546-561.	3.0	45
24	Diel vertical migration of copepods in mountain lakes: The changing role of ultraviolet radiation across a transparency gradient. Limnology and Oceanography, 2015, 60, 252-262.	3.1	40
25	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. Photochemical and Photobiological Sciences, 2022, 21, 275-301.	2.9	40
26	Patterns of spatial and temporal variability of UV transparency in Lake Tahoe, Californiaâ€Nevada. Journal of Geophysical Research, 2009, 114, .	3.3	37
27	The role of ultraviolet radiation and fish in regulating the vertical distribution of Daphnia. Limnology and Oceanography, 2012, 57, 1867-1876.	3.1	36
28	Decoupled trophic responses to longâ€term recovery from acidification and associated browning in lakes. Global Change Biology, 2019, 25, 1779-1792.	9.5	35
29	Does allochthony in lakes change across an elevation gradient?. Ecology, 2015, 96, 3281-3291.	3.2	34
30	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. Inland Waters, 2016, 6, 565-580.	2.2	34
31	Modeling dissolved organic carbon in subalpine and alpine lakes with GIS and remote sensing. Landscape Ecology, 2009, 24, 807-816.	4.2	31
32	Global patterns of light saturation and photoinhibition of lake primary production. Inland Waters, 2016, 6, 593-607.	2.2	28
33	Behavioral responses of freshwater calanoid copepods to the presence of ultraviolet radiation: avoidance and attraction. Journal of Plankton Research, 2016, 38, 16-26.	1.8	28
34	Ultraviolet radiation affects invasibility of lake ecosystems by warmâ€water fish. Ecology, 2010, 91, 882-890.	3.2	26
35	Implications of climate change for Daphnia in alpine lakes: predictions from long-term dynamics, spatial distribution, and a short-term experiment. Hydrobiologia, 2011, 676, 263-277.	2.0	25
36	Global lake response to the recent warming hiatus. Environmental Research Letters, 2018, 13, 054005.	5.2	25

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37	Atmospheric stilling and warming air temperatures drive longâ€term changes in lake stratification in a large oligotrophic lake. Limnology and Oceanography, 2021, 66, 954-964.	3.1	25
38	Wind and trophic status explain within and amongâ€lake variability of algal biomass. Limnology and Oceanography Letters, 2018, 3, 409-418.	3.9	24
39	Patterns of spectral, spatial, and longâ€term variability in light attenuation in an optically complex subâ€estuary. Limnology and Oceanography, 2019, 64, S257.	3.1	23
40	LakeEnsemblR: An R package that facilitates ensemble modelling of lakes. Environmental Modelling and Software, 2021, 143, 105101.	4.5	21
41	Integrating Inland and Coastal Water Quality Data for Actionable Knowledge. Remote Sensing, 2021, 13, 2899.	4.0	20
42	Carbon quality regulates the temperature dependence of aquatic ecosystem respiration. Freshwater Biology, 2018, 63, 1407-1419.	2.4	18
43	Prevalence of phytoplankton limitation by both nitrogen and phosphorus related to nutrient stoichiometry, land use, and primary producer biomass across the northeastern United States. Inland Waters, 2020, 10, 42-50.	2.2	18
44	Lake browning generates a spatiotemporal mismatch between dissolved organic carbon and limiting nutrients. Limnology and Oceanography Letters, 2021, 6, 182-191.	3.9	17
45	Smoke from regional wildfires alters lake ecology. Scientific Reports, 2021, 11, 10922.	3.3	15
46	Insights from the Global Lake Ecological Observatory Network (GLEON). Inland Waters, 2016, 6, 476-482.	2.2	14
47	Ultraviolet Insights: Attempting to Resolve Enigmatic Patterns in Pelagic Freshwaters â€“ The Historical Context and a View to the Future. International Review of Hydrobiology, 2009, 94, 129-142.	0.9	13
48	Macrosystems revisited: challenges and successes in a new subdiscipline of ecology. Frontiers in Ecology and the Environment, 2021, 19, 4-10.	4.0	11
49	Long-term dataset on aquatic responses to concurrent climate change and recovery from acidification. Scientific Data, 2018, 5, 180059.	5.3	10
50	Life in Transition: ASLO and Early Career Scientists. Limnology and Oceanography Bulletin, 2018, 27, 133-135.	0.4	1
51	Predicting arcticâ€alpine lake dissolved oxygen responses to future tree line advance at the Swedish forestâ€tundra transition zone. Global Change Biology, 2021, 27, 4207-4209.	9.5	1
52	Creating and Managing Data From High-Frequency Environmental Sensors. , 2022, , 549-569.		1
53	A river runs through it Where the Water Goes: Life and Death Along the Colorado River David Owen Riverhead Books, 2017. 288 pp.. Science, 2017, 356, 146-146.	12.6	0
54	ASLO Activities Focus on Meeting the Needs of Early Career Members. Limnology and Oceanography Bulletin, 2019, 28, 76-78.	0.4	0