

# Jason J Venkiteswaran

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,648  
citations

304368

22  
h-index

315357

38  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in ebullitive methane release from small, shallow ponds present challenges for scaling. <i>Science of the Total Environment</i> , 2022, 802, 149685.	3.9	9
2	Warming combined with experimental eutrophication intensifies lake phytoplankton blooms. <i>Limnology and Oceanography</i> , 2022, 67, 147-158.	1.6	25
3	Occurrence of BMAA Isomers in Bloom-Impacted Lakes and Reservoirs of Brazil, Canada, France, Mexico, and the United Kingdom. <i>Toxins</i> , 2022, 14, 251.	1.5	6
4	Dissolved oxygen isotope modelling refines metabolic state estimates of stream ecosystems with different land use background. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
5	Early and late cyanobacterial bloomers in a shallow, eutrophic lake. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1212-1227.	1.7	5
6	Dairy manure acidification reduces CH <sub>4</sub> emissions over short and long-term. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2797-2804.	1.2	14
7	Size-based characterization of freshwater dissolved organic matter finds similarities within a waterbody type across different Canadian ecozones. <i>Limnology and Oceanography Letters</i> , 2021, 6, 85-95.	1.6	5
8	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	56
9	Phosphorus-only fertilization rapidly initiates large nitrogen-fixing cyanobacteria blooms in two oligotrophic lakes. <i>Environmental Research Letters</i> , 2021, 16, 064078.	2.2	19
10	Cyanobacterial blooms in oligotrophic lakes: Shifting the high-nutrient paradigm. <i>Freshwater Biology</i> , 2021, 66, 1846-1859.	1.2	67
11	Response Curves for Ammonia and Methane Emissions From Stored Liquid Manure Receiving Low Rates of Sulfuric Acid. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	2
12	LakeEnsemblR: An R package that facilitates ensemble modelling of lakes. <i>Environmental Modelling and Software</i> , 2021, 143, 105101.	1.9	21
13	Quantifying arsenic post-depositional mobility in lake sediments impacted by gold ore roasting in sub-arctic Canada using inverse diagenetic modelling. <i>Environmental Pollution</i> , 2021, 288, 117723.	3.7	7
14	Anoxygenic photosynthesis and iron-sulfur metabolic potential of <i>Chlorobia</i> populations from seasonally anoxic Boreal Shield lakes. <i>ISME Journal</i> , 2020, 14, 2732-2747.	4.4	22
15	Metabolic regimes of three mid-order streams in southern Ontario, Canada exposed to contrasting sources of nutrients. <i>Hydrobiologia</i> , 2020, 847, 1925-1942.	1.0	3
16	Extreme rainfall drives early onset cyanobacterial bloom. <i>Facets</i> , 2020, 5, 899-920.	1.1	16
17	Acidification of Residual Manure in Liquid Dairy Manure Storages and Its Effect on Greenhouse Gas Emissions. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	6
18	Greenhouse Gas Mitigation through Dairy Manure Acidification. <i>Journal of Environmental Quality</i> , 2019, 48, 1435-1443.	1.0	17

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19	Towards a global interpretation of dual nitrate isotopes in surface waters. <i>Journal of Hydrology X</i> , 2019, 4, 100037.	0.8	16
20	The effect of freeze-thaw cycles on phosphorus release from riparian macrophytes in cold regions. <i>Canadian Water Resources Journal</i> , 2019, 44, 160-173.	0.5	11
21	Long-term changes in nutrient dynamics and plankton communities following the creation of a new reservoir. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 1459-1469.	0.7	6
22	Quantifying the fate of wastewater nitrogen discharged to a Canadian river. <i>Facets</i> , 2019, 4, 315-335.	1.1	8
23	Biological Nitrogen Fixation Prevents the Response of a Eutrophic Lake to Reduced Loading of Nitrogen: Evidence from a 46-Year Whole-Lake Experiment. <i>Ecosystems</i> , 2018, 21, 1088-1100.	1.6	52
24	A model for training undergraduate students in collaborative science. <i>Facets</i> , 2018, 3, 818-829.	1.1	5
25	Millions of Boreal Shield Lakes can be used to Probe Archaean Ocean Biogeochemistry. <i>Scientific Reports</i> , 2017, 7, 46708.	1.6	33
26	Internal iron loading and warm temperatures are preconditions for cyanobacterial dominance in embayments along Georgian Bay, Great Lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1439-1453.	0.7	32
27	Internal phosphorus loading in Canadian fresh waters: a critical review and data analysis. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 2005-2029.	0.7	155
28	Multiple sources and sinks of dissolved inorganic carbon across Swedish streams, refocusing the lens of stable C isotopes. <i>Scientific Reports</i> , 2017, 7, 9158.	1.6	81
29	Changing nitrogen deposition with low $\delta^{15}\text{N}$ in $\text{NH}_4^+$ and $\delta^{15}\text{N}$ in $\text{NO}_3^-$ values at the Experimental Lakes Area, northwestern Ontario, Canada. <i>Facets</i> , 2017, 2, 249-266.	1.1	9
30	Linking aquatic metabolism, gas exchange, and hypoxia to impacts along the 300-km Grand River, Canada. <i>Freshwater Science</i> , 2015, 34, 1216-1232.	0.9	15
31	From the Ground Up: Global Nitrous Oxide Sources are Constrained by Stable Isotope Values. <i>PLoS ONE</i> , 2015, 10, e0118954.	1.1	43
32	Proper Interpretation of Dissolved Nitrous Oxide Isotopes, Production Pathways, and Emissions Requires a Modelling Approach. <i>PLoS ONE</i> , 2014, 9, e90641.	1.1	8
33	A novel model for cyanobacteria bloom formation: the critical role of anoxia and ferrous iron. <i>Freshwater Biology</i> , 2014, 59, 1323-1340.	1.2	129
34	Inverse modeling of dissolved $\text{O}_2$ and $\delta^{18}\text{O}$ -DO to estimate aquatic metabolism, reaeration and respiration isotopic fractionation: effects of variable light regimes and input uncertainties. <i>Aquatic Sciences</i> , 2014, 76, 313-329.	0.6	5
35	Nonlinear Response of Riverine $\text{N}_2\text{O}$ Fluxes to Oxygen and Temperature. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1566-1573.	4.6	68
36	Large Carbon Dioxide Fluxes from Headwater Boreal and Sub-Boreal Streams. <i>PLoS ONE</i> , 2014, 9, e0101756.	1.1	40

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37	A new mechanistic model of $\delta^{18}\text{O}$ - $\text{N}_2\text{O}$ formation by denitrification. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 102-115.	1.6	42
38	Processes affecting greenhouse gas production in experimental boreal reservoirs. <i>Global Biogeochemical Cycles</i> , 2013, 27, 567-577.	1.9	24
39	Night and day: short-term variation in nitrogen chemistry and nitrous oxide emissions from streams. <i>Freshwater Biology</i> , 2012, 57, 509-525.	1.2	38
40	Deciphering the oxygen isotope composition of nitrous oxide produced by nitrification. <i>Global Change Biology</i> , 2012, 18, 356-370.	4.2	44
41	Revisiting the application of open-channel estimates of denitrification. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 202-215.	1.0	18
42	Aquatic community metabolism response to municipal effluent inputs in rivers quantified using diel $\delta^{18}\text{O}$ values of dissolved oxygen. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 1232-1246.	0.7	28
43	Stable Oxygen Isotope Ratios of Nitrate Produced from Nitrification: $\delta^{18}\text{O}$ -Labeled Water Incubations of Agricultural and Temperate Forest Soils. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5358-5364.	4.6	100
44	AQUATIC METABOLISM AND ECOSYSTEM HEALTH ASSESSMENT USING DISSOLVED $\text{O}_2$ STABLE ISOTOPE DIEL CURVES. <i>Ecological Applications</i> , 2008, 18, 965-982.	1.8	46
45	Dynamics of dissolved oxygen isotopic ratios: a transient model to quantify primary production, community respiration, and air-water exchange in aquatic ecosystems. <i>Oecologia</i> , 2007, 153, 385-398.	0.9	80
46	Carbon Dioxide and Methane Production in Small Reservoirs Flooding Upland Boreal Forest. <i>Ecosystems</i> , 2005, 8, 267-285.	1.6	46
47	Response   Mercury and the FLUDEX project. <i>Environmental Science &amp; Technology</i> , 2005, 39, 184A-186A.	4.6	0
48	Methane oxidation: isotopic enrichment factors in freshwater boreal reservoirs. <i>Applied Geochemistry</i> , 2005, 20, 683-690.	1.4	29
49	Nitrous Oxide Fluxes in Three Experimental Boreal Forest Reservoirs. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4353-4360.	4.6	39
50	Peer Reviewed: Experimenting with Hydroelectric Reservoirs. <i>Environmental Science &amp; Technology</i> , 2004, 38, 346A-352A.	4.6	53
51	Ten Best Practices to Strengthen Stewardship and Sharing of Water Science Data in Canada. <i>Hydrological Processes</i> , 0, , e14385.	1.1	3
52	Low sediment redox promotes cyanobacteria blooms across a trophic range: implications for management. <i>Lake and Reservoir Management</i> , 0, , 1-33.	0.4	17
53	The Use of Carbon Mass Budgets and Stable Carbon Isotopes to Examine Processes Affecting $\text{CO}_2$ and $\text{CH}_4$ Production in the Experimental FLUDEX Reservoirs. , 0, , 355-382.		0