Gordon Holtgrieve

List of Publications by Year
in descending order

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Version: 2024-02-01

49 papers	2,478 citations	257101 24 h-index	214527 47 g-index
51 all docs	51 docs citations	51 times ranked	3846 citing authors

#	Article	IF	Citations
1	Coupled CH ₄ production and oxidation support CO ₂ supersaturation in a tropical flood pulse lake (Tonle Sap Lake, Cambodia). Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
2	Optimizing Amazonian dams for nature. Science, 2022, 375, 714-715.	6.0	4
3	Ecological dynamics of a peri-urban lake: a multi-proxy paleolimnological study of Cultus Lake (British) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	6
4	Stable isotope signatures in historic harbor seal bone link food webâ€assimilated carbon and nitrogen resources to a century of environmental change. Global Change Biology, 2021, 27, 2328-2342.	4.2	8
5	Aquatic ecosystem metabolism as a tool in environmental management. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1521.	2.8	22
6	Population structure and habitat availability determine resource use by Rainbow Trout in high elevation lakes. Freshwater Science, 2021, 40, 508-523.	0.9	2
7	Predicting the Likely Thermal Impact of Current and Future Dams Around the World. Earth's Future, 2021, 9, e2020EF001916.	2.4	11
8	Ocean acidification and warming effects on the physiology, skeletal properties, and microbiome of the purple-hinge rock scallop. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 240, 110579.	0.8	31
9	Recent warming of Tonle Sap Lake, Cambodia: Implications for one of the worldâ€™s most productive inland fisheries. Lakes and Reservoirs: Research and Management, 2020, 25, 133-142.	0.6	11
10	Hydropowerâ€™s hidden transformation of rivers in the Mekong. Environmental Research Letters, 2020, 15, 044017.	2.2	18
11	Magnitudes and Drivers of Greenhouse Gas Fluxes in Floodplain Ponds During Drawdown and Inundation by the Three Gorges Reservoir. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2499-2517.	1.3	8
12	Does lipid-correction introduce biases into isotopic mixing models? Implications for diet reconstruction studies. Oecologia, 2019, 191, 745-755.	0.9	29
13	Fish assemblage composition within the floodplain habitat mosaic of a tropical lake (Tonle Sap,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.2	7
14	Consumer trophic positions respond variably to seasonally fluctuating environments. Ecology, 2019, 100, e02570.	1.5	41
15	Response to Comment on â€œDesigning river flows to improve food security futures in the Lower Mekong Basinâ€• Science, 2019, 364, .	6.0	2
16	Maintaining perspective of ongoing environmental change in the Mekong floodplains. Current Opinion in Environmental Sustainability, 2019, 37, 1-7.	3.1	41
17	Monitoring of tropical freshwater fish resources for sustainable use. Journal of Fish Biology, 2019, 94, 1019-1025.	0.7	10
18	Negligible cycling of terrestrial carbon in many lakes of the arid circumpolar landscape. Nature Geoscience, 2019, 12, 180-185.	5.4	60

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19	Riparian soil nitrogen cycling and isotopic enrichment in response to a longâ€term salmon carcass manipulation experiment. Ecosphere, 2019, 10, e02958.	1.0	6
20	Reintroduced Beavers Rapidly Influence the Storage and Biogeochemistry of Sediments in Headwater Streams (Methow River, Washington). Northwest Science, 2019, 93, 112.	0.1	3
21	Low Levels of Allochthony in Consumers Across Three High-Elevation Lake Types. Ecosystems, 2018, 21, 1101-1117.	1.6	5
22	An assessment of assumptions and uncertainty in deuteriumâ€based estimates of terrestrial subsidies to aquatic consumers. Ecology, 2018, 99, 1073-1088.	1.5	18
23	Linking humans to food webs: a framework for the classification of global fisheries. Frontiers in Ecology and the Environment, 2018, 16, 412-420.	1.9	12
24	Response to Comments on â€œDesigning river flows to improve food security futures in the Lower Mekong Basinâ€• Science, 2018, 361, .	6.0	4
25	Twoâ€stage metabolism inferred from diel oxygen dynamics in aquatic ecosystems. Ecosphere, 2017, 8, e01867.	1.0	17
26	Seasonal increases in fish trophic niche plasticity within a floodâ€pulse river ecosystem (Tonle Sap Lake,) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	51
27	Designing river flows to improve food security futures in the Lower Mekong Basin. Science, 2017, 358, .	6.0	176
28	Watershed geomorphology interacts with precipitation to influence the magnitude and source of CO₂ emissions from Alaskan streams. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1903-1921.	1.3	17
29	Comment on Demars et al. 2015, â€œStream metabolism and the open diel oxygen method: Principles, practice, and perspectivesâ€• Limnology and Oceanography: Methods, 2016, 14, 110-113.	1.0	16
30	Food webs and the sustainability of indiscriminate fisheries. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 656-665.	0.7	55
31	A Fatty Acid Based Bayesian Approach for Inferring Diet in Aquatic Consumers. PLoS ONE, 2015, 10, e0129723.	1.1	60
32	Animating the Carbon Cycle. Ecosystems, 2014, 17, 344-359.	1.6	168
33	Impacts of hydropower and climate change on drivers of ecological productivity of Southeast Asia's most important wetland. Ecological Modelling, 2014, 272, 252-263.	1.2	190
34	Widespread variability in overnight patterns of ecosystem respiration linked to gradients in dissolved organic matter, residence time, and productivity in a global set of lakes. Limnology and Oceanography, 2014, 59, 1666-1678.	1.6	22
35	A SALTY DIVIDE WITHIN ASLO?. Limnology and Oceanography Bulletin, 2013, 22, 34-37.	0.2	8
36	Centennial-scale fluctuations and regional complexity characterize Pacific salmon population dynamics over the past five centuries. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1750-1755.	3.3	53

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37	Patterns of Ecosystem Metabolism in the Tonle Sap Lake, Cambodia with Links to Capture Fisheries. PLoS ONE, 2013, 8, e71395.	1.1	45
38	Assessing nonpointâ€source nitrogen loading and nitrogen fixation in lakes using Î´¹⁵N and nutrient stoichiometry. Limnology and Oceanography, 2012, 57, 671-683.	1.6	28
39	Physical controls on carbon dioxide transfer velocity and flux in low-gradient river systems and implications for regional carbon budgets. Journal of Geophysical Research, 2011, 116, .	3.3	219
40	A Coherent Signature of Anthropogenic Nitrogen Deposition to Remote Watersheds of the Northern Hemisphere. Science, 2011, 334, 1545-1548.	6.0	309
41	Habitat structure determines resource use by zooplankton in temperate lakes. Ecology Letters, 2011, 14, 364-372.	3.0	101
42	Spatial and temporal variability of turbidity, dissolved oxygen, conductivity, temperature, and fluorescence in the lower Mekong Riverâ€“Tonle Sap system identified using continuous monitoring. International Journal of River Basin Management, 2011, 9, 151-168.	1.5	30
43	Marine-derived nutrients, bioturbation, and ecosystem metabolism: reconsidering the role of salmon in streams. Ecology, 2011, 92, 373-385.	1.5	90
44	Simultaneous quantification of aquatic ecosystem metabolism and reaeration using a Bayesian statistical model of oxygen dynamics. Limnology and Oceanography, 2010, 55, 1047-1063.	1.6	156
45	Stream geomorphology regulates the effects on periphyton of ecosystem engineering and nutrient enrichment by Pacific salmon. Freshwater Biology, 2010, 55, 2598-2611.	1.2	36
46	Large predators and biogeochemical hotspots: brown bear (Ursus arctos) predation on salmon alters nitrogen cycling in riparian soils. Ecological Research, 2009, 24, 1125-1135.	0.7	57
47	Bioaccumulation and Transport of Contaminants: Migrating Sockeye Salmon As Vectors of Mercury. Environmental Science & Technology, 2009, 43, 8840-8846.	4.6	35
48	BIOTIC CONTROL OF STREAM FLUXES: SPAWNING SALMON DRIVE NUTRIENT AND MATTER EXPORT. Ecology, 2007, 88, 1278-1291.	1.5	124
49	Variations in soil N cycling and trace gas emissions in wet tropical forests. Oecologia, 2006, 146, 584-594.	0.9	49