

Luke C Jeffrey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/735177/publications.pdf>

Version: 2024-02-01

25
papers

608
citations

586496

16
h-index

685536

24
g-index

30
all docs

30
docs citations

30
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	The legacy and drivers of groundwater nutrients and pesticides in an agriculturally impacted Quaternary aquifer system. <i>Science of the Total Environment</i> , 2021, 753, 142010.	3.9	5
2	Submarine groundwater discharge drives nitrous oxide source/sink dynamics in a metropolitan estuary. <i>Limnology and Oceanography</i> , 2021, 66, 1665-1686.	1.6	9
3	Hydrological, geochemical and land use drivers of greenhouse gas dynamics in eleven sub-tropical streams. <i>Aquatic Sciences</i> , 2021, 83, 1.	0.6	14
4	Bark-dwelling methanotrophic bacteria decrease methane emissions from trees. <i>Nature Communications</i> , 2021, 12, 2127.	5.8	51
5	Isotopic evidence for axial tree stem methane oxidation within subtropical lowland forests. <i>New Phytologist</i> , 2021, 230, 2200-2212.	3.5	27
6	Groundwater discharge rates and uncertainties in a coastal lagoon using a radon mass balance. <i>Journal of Hydrology</i> , 2021, 598, 126436.	2.3	13
7	Spatial Distribution of CO ₂ , CH ₄ , and N ₂ O in the Great Barrier Reef Revealed Through High Resolution Sampling and Isotopic Analysis. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092534.	1.5	8
8	Tree stem methane emissions from subtropical lowland forest (<i>Melaleuca quinquenervia</i>) regulated by local and seasonal hydrology. <i>Biogeochemistry</i> , 2020, 151, 273-290.	1.7	29
9	Development of an improved hydrogeological and hydro-geochemical conceptualization of a complex aquifer system in Ethiopia. <i>Hydrogeology Journal</i> , 2020, 28, 2727-2746.	0.9	7
10	Mapping groundwater discharge to a coastal lagoon using combined spatial airborne thermal imaging, radon (Rn) and multiple physicochemical variables. <i>Hydrological Processes</i> , 2020, 34, 4592-4608.	1.1	6
11	A Small Nimble In Situ Fine-Scale Flux Method for Measuring Tree Stem Greenhouse Gas Emissions and Processes (S.N.I.F.F). <i>Ecosystems</i> , 2020, 23, 1676-1689.	1.6	24
12	Coastal carbon cycle changes following mangrove loss. <i>Limnology and Oceanography</i> , 2020, 65, 2642-2656.	1.6	24
13	Land use drives nitrous oxide dynamics in estuaries on regional and global scales. <i>Limnology and Oceanography</i> , 2020, 65, 1903-1920.	1.6	19
14	Shifts in methanogenic archaea communities and methane dynamics along a subtropical estuarine land use gradient. <i>PLoS ONE</i> , 2020, 15, e0242339.	1.1	11
15	Stable isotopes track the ecological and biogeochemical legacy of mass mangrove forest dieback in the Gulf of Carpentaria, Australia. <i>Biogeosciences</i> , 2020, 17, 5599-5613.	1.3	6
16	Are methane emissions from mangrove stems a cryptic carbon loss pathway? Insights from a catastrophic forest mortality. <i>New Phytologist</i> , 2019, 224, 146-154.	3.5	66
17	Rhizosphere to the atmosphere: contrasting methane pathways, fluxes, and geochemical drivers across the terrestrial-aquatic wetland boundary. <i>Biogeosciences</i> , 2019, 16, 1799-1815.	1.3	22
18	iAMES: An inexpensive, automated methane detection sensor. <i>Environmental Science & Technology</i> , 2019, 53, 6420-6426.	4.6	16

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19	Wetland methane emissions dominated by plant-mediated fluxes: Contrasting emissions pathways and seasons within a shallow freshwater subtropical wetland. <i>Limnology and Oceanography</i> , 2019, 64, 1895-1912.	1.6	52
20	Groundwater as a source of dissolved organic matter to coastal waters: Insights from radon and CDOM observations in 12 shallow coastal systems. <i>Limnology and Oceanography</i> , 2019, 64, 182-196.	1.6	50
21	Seasonal Drivers of Carbon Dioxide Dynamics in a Hydrologically Modified Subtropical Tidal River and Estuary (Caboolture River, Australia). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1827-1849.	1.3	19
22	The spatial and temporal drivers of pCO ₂ , pCH ₄ and gas transfer velocity within a subtropical estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 208, 83-95.	0.9	42
23	Shifting nitrous oxide source/sink behaviour in a subtropical estuary revealed by automated time series observations. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 66-76.	0.9	26
24	Constraining the annual groundwater contribution to the water balance of an agricultural floodplain using radon: The importance of floods. <i>Water Resources Research</i> , 2017, 53, 544-562.	1.7	18
25	Groundwater, Acid and Carbon Dioxide Dynamics Along a Coastal Wetland, Lake and Estuary Continuum. <i>Estuaries and Coasts</i> , 2016, 39, 1325-1344.	1.0	43