Luke C Jeffrey

List of Publications by Year
in descending order

25	608	516710 16	610901 24
papers	citations	h-index	g-index

30	30	30	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Are methane emissions from mangrove stems a cryptic carbon loss pathway? Insights from a catastrophic forest mortality. New Phytologist, 2019, 224, 146-154.	7.3	66
2	Wetland methane emissions dominated by plantâ€mediated fluxes: Contrasting emissions pathways and seasons within a shallow freshwater subtropical wetland. Limnology and Oceanography, 2019, 64, 1895-1912.	3.1	52
3	Bark-dwelling methanotrophic bacteria decrease methane emissions from trees. Nature Communications, 2021, 12, 2127.	12.8	51
4	Groundwater as a source of dissolved organic matter to coastal waters: Insights from radon and CDOM observations in 12 shallow coastal systems. Limnology and Oceanography, 2019, 64, 182-196.	3.1	50
5	Groundwater, Acid and Carbon Dioxide Dynamics Along a Coastal Wetland, Lake and Estuary Continuum. Estuaries and Coasts, 2016, 39, 1325-1344.	2.2	43
6	The spatial and temporal drivers of pCO2, pCH4 and gas transfer velocity within a subtropical estuary.. Estuarine, Coastal and Shelf Science, 2018, 208, 83-95.	2.1	42
7	Tree stem methane emissions from subtropical lowland forest (Melaleuca quinquenervia) regulated by local and seasonal hydrology. Biogeochemistry, 2020, 151, 273-290.	3.5	29
8	Isotopic evidence for axial tree stem methane oxidation within subtropical lowland forests. New Phytologist, 2021, 230, 2200-2212.	7.3	27
9	Shifting nitrous oxide source/sink behaviour in a subtropical estuary revealed by automated time series observations. Estuarine, Coastal and Shelf Science, 2017, 194, 66-76.	2.1	26
10	A Small Nimble In Situ Fine-Scale Flux Method for Measuring Tree Stem Greenhouse Gas Emissions and Processes (S.N.I.F.F). Ecosystems, 2020, 23, 1676-1689.	3.4	24
11	Coastal carbon cycle changes following mangrove loss. Limnology and Oceanography, 2020, 65, 2642-2656.	3.1	24
12	Rhizosphere to the atmosphere: contrasting methane pathways, fluxes, and geochemical drivers across the terrestrialâ€“aquatic wetland boundary. Biogeosciences, 2019, 16, 1799-1815.	3.3	22
13	Seasonal Drivers of Carbon Dioxide Dynamics in a Hydrologically Modified Subtropical Tidal River and Estuary (Caboolture River, Australia). Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1827-1849.	3.0	19
14	Land use drives nitrous oxide dynamics in estuaries on regional and global scales. Limnology and Oceanography, 2020, 65, 1903-1920.	3.1	19
15	Constraining the annual groundwater contribution to the water balance of an agricultural floodplain using radon: The importance of floods. Water Resources Research, 2017, 53, 544-562.	4.2	18
16	iAMES: An <u>i</u>nexpensive, <u>A</u>utomated <u>M</u>ethane <u>E</u>bullition <u>S</u>ensor. Environmental Science & Technology, 2019, 53, 6420-6426.	10.0	16
17	Hydrological, geochemical and land use drivers of greenhouse gas dynamics in eleven sub-tropical streams. Aquatic Sciences, 2021, 83, 1.	1.5	14
18	Groundwater discharge rates and uncertainties in a coastal lagoon using a radon mass balance. Journal of Hydrology, 2021, 598, 126436.	5.4	13

#	Article	IF	Citations
19	Shifts in methanogenic archaea communities and methane dynamics along a subtropical estuarine land use gradient. PLoS ONE, 2020, 15, e0242339.	2.5	11
20	Submarine groundwater discharge drives nitrous oxide source/sink dynamics in a metropolitan estuary. Limnology and Oceanography, 2021, 66, 1665-1686.	3.1	9
21	Spatial Distribution of CO₂, CH₄, and N₂O in the Great Barrier Reef Revealed Through High Resolution Sampling and Isotopic Analysis. Geophysical Research Letters, 2021, 48, e2021GL092534.	4.0	8
22	Development of an improved hydrogeological and hydro-geochemical conceptualization of a complex aquifer system in Ethiopia. Hydrogeology Journal, 2020, 28, 2727-2746.	2.1	7
23	Mapping groundwater discharge to a coastal lagoon using combined spatial airborne thermal imaging, radon (<scp>²²²Rn</scp>) and multiple physicochemical variables. Hydrological Processes, 2020, 34, 4592-4608.	2.6	6
24	Stable isotopes track the ecological and biogeochemical legacy of mass mangrove forest dieback in the Gulf of Carpentaria, Australia. Biogeosciences, 2020, 17, 5599-5613.	3.3	6
25	The legacy and drivers of groundwater nutrients and pesticides in an agriculturally impacted Quaternary aquifer system. Science of the Total Environment, 2021, 753, 142010.	8.0	5