Douglas R Tait

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1288462/publications.pdf

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56	1,935	249298	299063
papers	citations	26 h-index	42 g-index

58	58	58	2081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Traditional land use effects on nutrient export from watersheds to coastal seas. Nutrient Cycling in Agroecosystems, 2021, 119, 7-21.	1.1	4
2	The legacy and drivers of groundwater nutrients and pesticides in an agriculturally impacted Quaternary aquifer system. Science of the Total Environment, 2021, 753, 142010.	3.9	5
3	Submarine groundwater discharge drives nitrous oxide source/sink dynamics in a metropolitan estuary. Limnology and Oceanography, 2021, 66, 1665-1686.	1.6	9
4	Anthropogenic nutrient loads and season variability drive high atmospheric N2O fluxes in a fragmented mangrove system. Scientific Reports, 2021, 11, 6930.	1.6	10
5	Bark-dwelling methanotrophic bacteria decrease methane emissions from trees. Nature Communications, 2021, 12, 2127.	5.8	51
6	Isotopic evidence for axial tree stem methane oxidation within subtropical lowland forests. New Phytologist, 2021, 230, 2200-2212.	3.5	27
7	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.	1.5	8
8	Submarine groundwater discharge and associated nutrient and carbon inputs into Sydney Harbour (Australia). Journal of Hydrology, 2020, 580, 124262.	2.3	29
9	New insights into the hydrogeology and groundwater flow in the Great Barrier Reef catchment, Australia, revealed through 3D modelling. Journal of Hydrology: Regional Studies, 2020, 30, 100708.	1.0	6
10	Tree stem methane emissions from subtropical lowland forest (Melaleuca quinquenervia) regulated by local and seasonal hydrology. Biogeochemistry, 2020, 151, 273-290.	1.7	29
11	Development of an improved hydrogeological and hydro-geochemical conceptualization of a complex aquifer system in Ethiopia. Hydrogeology Journal, 2020, 28, 2727-2746.	0.9	7
12	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.	1.6	24
13	Land use drives nitrous oxide dynamics in estuaries on regional and global scales. Limnology and Oceanography, 2020, 65, 1903-1920.	1.6	19
14	Shifts in methanogenic archaea communities and methane dynamics along a subtropical estuarine land use gradient. PLoS ONE, 2020, 15, e0242339.	1.1	11
15	Are methane emissions from mangrove stems a cryptic carbon loss pathway? Insights from a catastrophic forest mortality. New Phytologist, 2019, 224, 146-154.	3.5	66
16	Rhizosphere to the atmosphere: contrasting methane pathways, fluxes, and geochemical drivers across the terrestrialâ€“aquatic wetland boundary. Biogeosciences, 2019, 16, 1799-1815.	1.3	22
17	The role of porewater exchange as a driver of CO2 flux to the atmosphere in a temperate estuary (Squamish, Canada). Environmental Earth Sciences, 2019, 78, 1.	1.3	9
18	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.	4.6	16

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19	An integrated approach for aquifer characterization and groundwater productivity evaluation in the Lake Haramaya watershed, Ethiopia. Hydrogeology Journal, 2019, 27, 2121-2136.	0.9	16
20	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.	1.6	52
21	Dissolved carbon, greenhouse gases, and Î´13C dynamics in four estuaries across a land use gradient. Aquatic Sciences, 2019, 81, 1.	0.6	19
22	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.	1.6	50
23	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.	1.3	19
24	Greenhouse gases and submarine groundwater discharge in a Sydney Harbour embayment (Australia). Estuarine, Coastal and Shelf Science, 2018, 207, 499-509.	0.9	24
25	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.	0.9	42
26	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.	0.9	26
27	Radium-derived porewater exchange and dissolved N and P fluxes in mangroves. Geochimica Et Cosmochimica Acta, 2017, 200, 295-309.	1.6	42
28	Mangrove outwelling is a significant source of oceanic exchangeable organic carbon. Limnology and Oceanography Letters, 2017, 2, 1-8.	1.6	40
29	High porewater exchange in a mangrove-dominated estuary revealed from short-lived radium isotopes. Journal of Hydrology, 2017, 553, 188-198.	2.3	40
30	Greenhouse Gas Dynamics in a Salt-Wedge Estuary Revealed by High Resolution Cavity Ring-Down Spectroscopy Observations. Environmental Science & Technology, 2017, 51, 13771-13778.	4.6	23
31	Are mangroves drivers or buffers of coastal acidification? Insights from alkalinity and dissolved inorganic carbon export estimates across a latitudinal transect. Global Biogeochemical Cycles, 2016, 30, 753-766.	1.9	147
32	Pristine mangrove creek waters are a sink of nitrous oxide. Scientific Reports, 2016, 6, 25701.	1.6	61
33	Are global mangrove carbon stocks driven by rainfall?. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2600-2609.	1.3	150
34	Manganese and iron release from mangrove porewaters: A significant component of oceanic budgets?. Marine Chemistry, 2016, 184, 43-52.	0.9	42
35	Divergent drivers of carbon dioxide and methane dynamics in an agricultural coastal floodplain: Post-flood hydrological and biological drivers. Chemical Geology, 2016, 440, 313-325.	1.4	23
36	Mangrove pore water exchange across a latitudinal gradient. Geophysical Research Letters, 2016, 43, 3334-3341.	1.5	79

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37	Groundwater, Acid and Carbon Dioxide Dynamics Along a Coastal Wetland, Lake and Estuary Continuum. Estuaries and Coasts, 2016, 39, 1325-1344.	1.0	43
38	Fresh meteoric versus recirculated saline groundwater nutrient inputs into a subtropical estuary. Science of the Total Environment, 2016, 566-567, 1440-1453.	3.9	49
39	Intermittently Closed and Open Lakes and/or Lagoons (ICOLLs) as groundwater-dominated coastal systems: Evidence from seasonal radon observations. Journal of Hydrology, 2016, 535, 612-624.	2.3	42
40	Carbon cycling and exports over diel and flood-recovery timescales in a subtropical rainforest headwater stream. Science of the Total Environment, 2016, 550, 645-657.	3.9	30
41	Submarine groundwater discharge and associated fluxes of alkalinity and dissolved carbon into Moreton Bay (Australia) estimated via radium isotopes. Marine Chemistry, 2015, 174, 1-12.	0.9	56
42	Behaviour of estrogenic endocrine-disrupting chemicals in permeable carbonate sands. Environmental Science and Pollution Research, 2015, 22, 11340-11348.	2.7	7
43	Nutrient and greenhouse gas dynamics through a range of wastewater-loaded carbonate sand treatments. Ecological Engineering, 2015, 82, 126-137.	1.6	3
44	Seasonal and Diurnal Dynamics of Atmospheric Radon, Carbon Dioxide, Methane, Î´13C-CO2 and Î´13C-CH4 in a Proposed Australian Coal Seam Gas Field. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	8
45	Mapping Methane and Carbon Dioxide Concentrations and Î´13C Values in the Atmosphere of Two Australian Coal Seam Gas Fields. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	20
46	The influence of groundwater inputs and age on nutrient dynamics in a coral reef lagoon. Marine Chemistry, 2014, 166, 36-47.	0.9	52
47	Nitrogen transformations within a tropical subterranean estuary. Marine Chemistry, 2014, 164, 38-47.	0.9	57
48	Influence of porewater exchange on nutrient dynamics in two New Zealand estuarine intertidal flats. Marine Chemistry, 2014, 167, 57-70.	0.9	76
49	Geoelectrical signals of geologic and hydrologic processes in a fringing reef lagoon setting. Journal of Hydrology, 2014, 517, 508-520.	2.3	22
50	Estimating submarine groundwater discharge in a South Pacific coral reef lagoon using different radioisotope and geophysical approaches. Marine Chemistry, 2013, 156, 49-60.	0.9	37
51	Nutrient processing in a novel on-site wastewater treatment system designed for permeable carbonate sand environments. Ecological Engineering, 2013, 57, 413-421.	1.6	11
52	The Contribution of Groundwater Discharge to Nutrient Exports from a Coastal Catchment: Post-Flood Seepage Increases Estuarine N/P Ratios. Estuaries and Coasts, 2013, 36, 56-73.	1.0	58
53	Enrichment of Radon and Carbon Dioxide in the Open Atmosphere of an Australian Coal Seam Gas Field. Environmental Science & Technology, 2013, 47, 3099-3104.	4.6	24
54	Applications of DC resistivity for mapping hydrogeologic processes in coastal areas. , 2013, , .		0

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55	Observations of nitrogen and phosphorus biogeochemistry in a surface flow constructed wetland. Science of the Total Environment, 2011, 409, 5359-5367.	3.9	10
56	Breathing of a coral cay: Tracing tidally driven seawater recirculation in permeable coral reef sediments. Journal of Geophysical Research, 2010, 115, .	3.3	83