

# Peter M J Douglas

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,265  
citations

471509

17  
h-index

501196

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using carbon-14 and carbon-13 measurements for source attribution of atmospheric methane in the Athabasca oil sands region. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2121-2133.	4.9	1
2	Understanding controls on stanols in lake sediments as proxies for palaeopopulations in Mesoamerica. <i>Journal of Paleolimnology</i> , 2022, 67, 375-390.	1.6	6
3	Spatial differentiation of sediment organic matter isotopic composition and inferred sources in a temperate forest lake catchment. <i>Chemical Geology</i> , 2022, 603, 120887.	3.3	10
4	Changes in terrestrial ecosystems across the Cretaceous-Paleogene boundary in western Canada inferred from plant wax lipid distributions and isotopic measurements. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110081.	2.3	5
5	Seasonal patterns in greenhouse gas emissions from lakes and ponds in a High Arctic polygonal landscape. <i>Limnology and Oceanography</i> , 2021, 66, S117.	3.1	24
6	Radiocarbon Data Reveal Contrasting Sources for Carbon Fractions in Thermokarst Lakes and Rivers of Eastern Canada (Nunavik, Quebec). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005938.	3.0	6
7	Molecular evidence for human population change associated with climate events in the Maya lowlands. <i>Quaternary Science Reviews</i> , 2021, 258, 106904.	3.0	10
8	CH <sub>4</sub> isotopic ordering records ultra-slow hydrocarbon biodegradation in the deep subsurface. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116841.	4.4	15
9	Geographic variability in freshwater methane hydrogen isotope ratios and its implications for global isotopic source signatures. <i>Biogeosciences</i> , 2021, 18, 3505-3527.	3.3	6
10	The impact of spatially varying wetland source signatures on the atmospheric variability of $\delta^{13}C$ -CH <sub>4</sub> . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200442.	3.4	1
11	Clumped Isotopes Link Older Carbon Substrates With Slower Rates of Methanogenesis in Northern Lakes. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086756.	4.0	27
12	Potential increase in oil and gas well leakage due to earthquakes. <i>Environmental Research Communications</i> , 2019, 1, 121004.	2.3	9
13	The utility of methane clumped isotopes to constrain the origins of methane in natural gas accumulations. <i>Geological Society Special Publication</i> , 2018, 468, 23-52.	1.3	33
14	Equilibrium and non-equilibrium controls on the abundances of clumped isotopologues of methane during thermogenic formation in laboratory experiments: Implications for the chemistry of pyrolysis and the origins of natural gases. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 159-174.	3.9	32
15	Methane clumped isotopes in the Songliao Basin (China): New insights into abiotic vs. biotic hydrocarbon formation. <i>Earth and Planetary Science Letters</i> , 2018, 482, 213-221.	4.4	30
16	A long-term decrease in the persistence of soil carbon caused by ancient Maya land use. <i>Nature Geoscience</i> , 2018, 11, 645-649.	12.9	34
17	Methane clumped isotopes: Progress and potential for a new isotopic tracer. <i>Organic Geochemistry</i> , 2017, 113, 262-282.	1.8	100
18	Diverse origins of Arctic and Subarctic methane point source emissions identified with multiply-substituted isotopologues. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 163-188.	3.9	57

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19	Impacts of Climate Change on the Collapse of Lowland Maya Civilization. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 613-645.	11.0	65
20	Methods and future directions for paleoclimatology in the Maya Lowlands. <i>Global and Planetary Change</i> , 2016, 138, 3-24.	3.5	29
21	Coring Lake Fati and Settlement Archaeology of the Middle Niger Lakes Region. <i>African Archaeological Review</i> , 2015, 32, 249-266.	1.4	5
22	Distinguishing and understanding thermogenic and biogenic sources of methane using multiply substituted isotopologues. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 219-247.	3.9	141
23	Drought, agricultural adaptation, and sociopolitical collapse in the Maya Lowlands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5607-5612.	7.1	152
24	Pronounced zonal heterogeneity in Eocene southern high-latitude sea surface temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6582-6587.	7.1	124
25	Pre-aged plant waxes in tropical lake sediments and their influence on the chronology of molecular paleoclimate proxy records. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 346-364.	3.9	64
26	The role of ocean gateways on cooling climate on long time scales. <i>Global and Planetary Change</i> , 2014, 119, 1-22.	3.5	80
27	Aridity and vegetation composition are important determinants of leaf-wax $\delta D$ values in southeastern Mexico and Central America. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 97, 24-45.	3.9	100
28	Warm, not super-hot, temperatures in the early Eocene subtropics. <i>Geology</i> , 2011, 39, 771-774.	4.4	97