

# 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	Drought, agricultural adaptation, and sociopolitical collapse in the Maya Lowlands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5607-5612.	7.1	152
2	Distinguishing and understanding thermogenic and biogenic sources of methane using multiply substituted isotopologues. Geochimica Et Cosmochimica Acta, 2015, 161, 219-247.	3.9	141
3	Pronounced zonal heterogeneity in Eocene southern high-latitude sea surface temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6582-6587.	7.1	124
4	Aridity and vegetation composition are important determinants of leaf-wax $\delta^{13}C$ values in southeastern Mexico and Central America. Geochimica Et Cosmochimica Acta, 2012, 97, 24-45.	3.9	100
5	Methane clumped isotopes: Progress and potential for a new isotopic tracer. Organic Geochemistry, 2017, 113, 262-282.	1.8	100
6	Warm, not super-hot, temperatures in the early Eocene subtropics. Geology, 2011, 39, 771-774.	4.4	97
7	The role of ocean gateways on cooling climate on long time scales. Global and Planetary Change, 2014, 119, 1-22.	3.5	80
8	Impacts of Climate Change on the Collapse of Lowland Maya Civilization. Annual Review of Earth and Planetary Sciences, 2016, 44, 613-645.	11.0	65
9	Pre-aged plant waxes in tropical lake sediments and their influence on the chronology of molecular paleoclimate proxy records. Geochimica Et Cosmochimica Acta, 2014, 141, 346-364.	3.9	64
10	Diverse origins of Arctic and Subarctic methane point source emissions identified with multiply-substituted isotopologues. Geochimica Et Cosmochimica Acta, 2016, 188, 163-188.	3.9	57
11	A long-term decrease in the persistence of soil carbon caused by ancient Maya land use. Nature Geoscience, 2018, 11, 645-649.	12.9	34
12	The utility of methane clumped isotopes to constrain the origins of methane in natural gas accumulations. Geological Society Special Publication, 2018, 468, 23-52.	1.3	33
13	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. Geochimica Et Cosmochimica Acta, 2018, 223, 159-174.	3.9	32
14	Methane clumped isotopes in the Songliao Basin (China): New insights into abiotic vs. biotic hydrocarbon formation. Earth and Planetary Science Letters, 2018, 482, 213-221.	4.4	30
15	Methods and future directions for paleoclimatology in the Maya Lowlands. Global and Planetary Change, 2016, 138, 3-24.	3.5	29
16	Clumped Isotopes Link Older Carbon Substrates With Slower Rates of Methanogenesis in Northern Lakes. Geophysical Research Letters, 2020, 47, e2019GL086756.	4.0	27
17	Seasonal patterns in greenhouse gas emissions from lakes and ponds in a High Arctic polygonal landscape. Limnology and Oceanography, 2021, 66, S117.	3.1	24
18	CH <sub>4</sub> isotopic ordering records ultra-slow hydrocarbon biodegradation in the deep subsurface. Earth and Planetary Science Letters, 2021, 562, 116841.	4.4	15

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Potential increase in oil and gas well leakage due to earthquakes. <i>Environmental Research Communications</i> , 2019, 1, 121004.	2.3	9
22	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
23	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
24	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
25	Coring Lake Fati and Settlement Archaeology of the Middle Niger Lakes Region. <i>African Archaeological Review</i> , 2015, 32, 249-266.	1.4	5
26	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
27	The impact of spatially varying wetland source signatures on the atmospheric variability of $\delta^{13}C-CH_4$ . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200442.	3.4	1
28	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