Owen A Sherwood

List of Publications by Year
in descending order

36	2,070	257450	345221
papers	citations	24 h-index	36 g-index

41	41	41	2872
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Upward revision of global fossil fuel methane emissions based on isotope database. Nature, 2016, 538, 88-91.	27.8	400
2	Nutrient regime shift in the western North Atlantic indicated by compound-specific Î´ ¹⁵ N of deep-sea gorgonian corals. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1011-1015.	7.1	142
3	Clionid sponge surveys on the Florida Reef Tract suggest land-based nutrient inputs. Marine Pollution Bulletin, 2005, 51, 570-579.	5.0	132
4	Global Inventory of Gas Geochemistry Data from Fossil Fuel, Microbial and Burning Sources, version 2017. Earth System Science Data, 2017, 9, 639-656.	9.9	125
5	The use of Î´15N in assessing sewage stress on coral reefs. Marine Pollution Bulletin, 2009, 58, 793-802.	5.0	118
6	Ages and growth rates of some deep-sea gorgonian and antipatharian corals of Newfoundland and Labrador. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 142-152.	1.4	107
7	Increasing subtropical North Pacific Ocean nitrogen fixation since the Little Ice Age. Nature, 2014, 505, 78-81.	27.8	84
8	Stable isotopic composition of deep-sea gorgonian corals Primnoa spp.: a new archive of surface processes. Marine Ecology - Progress Series, 2005, 301, 135-148.	1.9	83
9	Groundwater methane in relation to oil and gas development and shallow coal seams in the Denver-Julesburg Basin of Colorado. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8391-8396.	7.1	75
10	Radiocarbon evidence for annual growth rings in the deep-sea octocoral Primnoa resedaeformis. Marine Ecology - Progress Series, 2005, 301, 129-134.	1.9	74
11	Millennial-scale plankton regime shifts in the subtropical North Pacific Ocean. Science, 2015, 350, 1530-1533.	12.6	71
12	Stable C and N isotopic composition of cold-water corals from the Newfoundland and Labrador continental slope: Examination of trophic, depth and spatial effects. Deep-Sea Research Part I: Oceanographic Research Papers, 2008, 55, 1392-1402.	1.4	65
13	Reconstruction of nitrogen sources on coral reefs: d15N and d13C in gorgonians from Florida Reef Tract. Marine Ecology - Progress Series, 2005, 296, 155-163.	1.9	52
14	Improved Constraints on Global Methane Emissions and Sinks Using Î´¹³Câ€CH₄. Global Biogeochemical Cycles, 2021, 35, e2021GB007000.	4.9	50
15	Surface Casing Pressure As an Indicator of Well Integrity Loss and Stray Gas Migration in the Wattenberg Field, Colorado. Environmental Science & Technology, 2017, 51, 3567-3574.	10.0	47
16	ECOSYSTEM ENGINEERING BY BIOTURBATING POLYCHAETES IN EVENT BED MICROCOSMS. Palaios, 2010, 25, 46-58.	1.3	45
17	Late Holocene radiocarbon and aspartic acid racemization dating of deep-sea octocorals. Geochimica Et Cosmochimica Acta, 2006, 70, 2806-2814.	3.9	43
18	Geological features supporting deep-sea coral habitat in Atlantic Canada. Continental Shelf Research, 2011, 31, S69-S84.	1.8	43

#	Article	IF	Citations
19	Multi-century time-series of 15N and 14C in bamboo corals from deep Tasmanian seamounts: evidence for stable oceanographic conditions. Marine Ecology - Progress Series, 2009, 397, 209-218.	1.9	37
20	Tracking the record of sewage discharge off Jeddah, Saudi Arabia, since 1950, using stable isotope records from antipatharians. Marine Ecology - Progress Series, 2009, 397, 219-226.	1.9	37
21	Late Holocene radiocarbon variability in Northwest Atlantic slope waters. Earth and Planetary Science Letters, 2008, 275, 146-153.	4.4	36
22	Using global isotopic data to constrain the role of shale gas production in recent increases in atmospheric methane. Scientific Reports, 2020, 10, 4199.	3.3	29
23	Public data from three US states provide new insights into well integrity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
24	Nitrogen Isotopic Records of Terrestrial Pollution Encoded in Floridian and Bahamian Gorgonian Corals. Environmental Science & Technology, 2010, 44, 874-880.	10.0	27
25	Compound specific amino acid Î´13C patterns in a deep-sea proteinaceous coral: Implications for reconstructing detailed Î´13C records of exported primary production. Marine Chemistry, 2014, 166, 82-91.	2.3	24
26	Smoke signals from corals: isotopic signature of the 1997 Indonesian â€˜hazeâ€™ event. Marine Geology, 2003, 202, 71-78.	2.1	19
27	Amino acid Î´13C and Î´15N patterns from sediment trap time series and deep-sea corals: Implications for biogeochemical and ecological reconstructions in paleoarchives. Geochimica Et Cosmochimica Acta, 2021, 297, 288-307.	3.9	17
28	Applied taphonomy of gorgonian and antipatharian corals in Atlantic Canada: experimental decay rates, field observations, and implications for assessing fisheries damage to deep-sea coral habitats. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2012, 265, 199-218.	0.4	11
29	Investigating large methane enhancements in the U.S. San Juan Basin. Elementa, 2020, 8, .	3.2	8
30	Bottom water methane sources along the high latitude eastern Canadian continental shelf and their effects on the marine carbonate system. Marine Chemistry, 2019, 212, 83-95.	2.3	7
31	Stable isotope ratios in seawater nitrate reflect the influence of Pacific water along the northwest Atlantic margin. Biogeosciences, 2021, 18, 4491-4510.	3.3	7
32	Microbial and Biogeochemical Indicators of Methane in Groundwater Aquifers of the Denver Basin, Colorado. Environmental Science & Technology, 2021, 55, 292-303.	10.0	7
33	Chapter Twelve Deep-Sea Corals: New Insights to Paleoceanography. Developments in Marine Geology, 2007, 1, 491-522.	0.4	5
34	Compound-Specific Stable Isotope Analysis of Natural and Produced Hydrocarbon Gases Surrounding Oil and Gas Operations. Comprehensive Analytical Chemistry, 2013, , 347-372.	1.3	3
35	Occurrence and origin of groundwater methane in the Stellarton Basin, Nova Scotia, Canada. Science of the Total Environment, 2021, 754, 141888.	8.0	3
36	Using Stable Isotopes and Water Quality to Investigate Sources of Stray Gas in the Wattenberg Field of Colorado. , 2014, , .		2