

Andrew C Manning

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,976
citations

394421

19
h-index

395702

33
g-index

44
all docs

44
docs citations

44
times ranked

6953
citing authors

#	ARTICLE	IF	CITATIONS
1	A ship-based methodology for high precision atmospheric oxygen measurements and its application in the Southern Ocean region. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 59, 643.	1.6	26
2	Two decades of flask observations of atmospheric $\delta^{13}C$ (O ₂ and N ₂), CO ₂ , and APO at stations Lutjewad (the Netherlands) and Mace Head (Ireland), and 3 years from Halley station (Antarctica). <i>Earth System Science Data</i> , 2022, 14, 991-1014.	9.9	2
3	Novel quantification of regional fossil fuel CO ₂ reductions during COVID-19 lockdowns using atmospheric oxygen measurements. <i>Science Advances</i> , 2022, 8, eabl9250.	10.3	12
4	Quantifying the UK's carbon dioxide flux: an atmospheric inverse modelling approach using a regional measurement network. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4345-4365.	4.9	14
5	Very Strong Atmospheric Methane Growth in the 4 Years 2014–2017: Implications for the Paris Agreement. <i>Global Biogeochemical Cycles</i> , 2019, 33, 318-342.	4.9	353
6	Global Carbon Budget 2017. <i>Earth System Science Data</i> , 2018, 10, 405-448.	9.9	801
7	In situ measurements of atmospheric O ₂ and CO ₂ reveal an unexpected O ₂ signal over the tropical Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1289-1305.	4.9	12
8	Inferring $\delta^{13}C$ soil fluxes from ambient $\delta^{13}C$ activity and eddy covariance measurements of CO ₂ . <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5523-5533.	3.1	8
9	Rising atmospheric methane: 2007–2014 growth and isotopic shift. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1356-1370.	4.9	317
10	Global Carbon Budget 2016. <i>Earth System Science Data</i> , 2016, 8, 605-649.	9.9	905
11	A statistical gap-filling method to interpolate global monthly surface ocean carbon dioxide data. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1554-1575.	3.8	31
12	Continuous measurements of greenhouse gases and atmospheric oxygen at the Namib Desert Atmospheric Observatory. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2233-2250.	3.1	12
13	Investigating bias in the application of curve fitting programs to atmospheric time series. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1469-1489.	3.1	31
14	Studies of Recent Changes in Atmospheric O ₂ Content. , 2014, , 385-404.		74
15	CO ₂ tomorrow: Shedding Light on the Climate Crisis. <i>Leonardo</i> , 2013, 46, 124-132.	0.3	1
16	Iconic CO ₂ Time Series at Risk. <i>Science</i> , 2012, 337, 1038-1040.	12.6	15
17	The atmospheric signature of carbon capture and storage. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2113-2132.	3.4	16
18	Greenhouse gases in the Earth system: setting the agenda to 2030. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1885-1890.	3.4	12

#	ARTICLE	IF	CITATIONS
19	Seven years of recent European net terrestrial carbon dioxide exchange constrained by atmospheric observations. <i>Global Change Biology</i> , 2010, 16, 1317-1337.	9.5	223
20	Misrepresentation of the IPCC CO ₂ emission scenarios. <i>Nature Geoscience</i> , 2010, 3, 376-377.	12.9	66
21	Measurements of greenhouse gases and related tracers at Bialystok tall tower station in Poland. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 407-427.	3.1	60
22	In-situ measurements of oxygen, carbon monoxide and greenhouse gases from Ochsenkopf tall tower in Germany. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 573-591.	3.1	72
23	Methodology and calibration for continuous measurements of biogeochemical trace gas and O ₂ concentrations from a 300-m tall tower in central Siberia. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 205-220.	3.1	30
24	Variability in atmospheric O ₂ and CO ₂ concentrations in the southern Pacific Ocean and their comparison with model estimates. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2
25	Seasonal, synoptic, and diurnal scale variability of biogeochemical trace gases and O ₂ from a 300m tall tower in central Siberia. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	43
26	Nitrification amplifies the decreasing trends of atmospheric oxygen and implies a larger land carbon uptake. <i>Global Biogeochemical Cycles</i> , 2007, 21, n/a-n/a.	4.9	9
27	On the long-term stability of reference gases for atmospheric O ₂ /N ₂ and CO ₂ measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 3-14.	1.6	89
28	Atmospheric Mg ²⁺ wet deposition within the continental United States and implications for soil inorganic carbon sequestration. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 50-56.	1.6	30
29	Atmospheric potential oxygen: New observations and their implications for some atmospheric and oceanic models. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	64
30	Global oceanic and land biotic carbon sinks from the Scripps atmospheric oxygen flask sampling network. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2006, 58, 95-116.	1.6	219
31	Interpreting the seasonal cycles of atmospheric oxygen and carbon dioxide concentrations at American Samoa Observatory. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	14
32	Climate-induced oceanic oxygen fluxes: Implications for the contemporary carbon budget. <i>Global Biogeochemical Cycles</i> , 2002, 16, 6-16-13.	4.9	247
33	Seasonal snapshots of the isotopic (¹⁴ C, ¹³ C) composition of tropospheric carbon monoxide at Niwot Ridge, Colorado. <i>Chemosphere</i> , 1999, 1, 185-203.	1.2	4
34	Precise atmospheric oxygen measurements with a paramagnetic oxygen analyzer. <i>Global Biogeochemical Cycles</i> , 1999, 13, 1107-1115.	4.9	61
35	Methods for measuring changes in atmospheric O ₂ concentration and their application in southern hemisphere air. <i>Journal of Geophysical Research</i> , 1998, 103, 3381-3397.	3.3	84