

Alan D Griffiths

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,488
citations

279487

23
h-index

360668

35
g-index

78
all docs

78
docs citations

78
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	On the use of radon for quantifying the effects of atmospheric stability on urban emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1175-1190.	1.9	80
2	A map of radon flux at the Australian land surface. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8969-8982.	1.9	78
3	The Vertical Distribution of Radon in Clear and Cloudy Daytime Terrestrial Boundary Layers. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 155-174.	0.6	76
4	Radon activity in the lower troposphere and its impact on ionization rate: a global estimate using different radon emissions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7817-7838.	1.9	73
5	Bulk Mixing and Decoupling of the Nocturnal Stable Boundary Layer Characterized Using a Ubiquitous Natural Tracer. <i>Boundary-Layer Meteorology</i> , 2013, 149, 381-402.	1.2	71
6	Characterising terrestrial influences on Antarctic air masses using Radon-222 measurements at King George Island. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9903-9916.	1.9	59
7	Hydroclimate of the Last Glacial Maximum and deglaciation in southern Australia's arid margin interpreted from speleothem records (23â€“15â€“ka). <i>Climate of the Past</i> , 2017, 13, 667-687.	1.3	56
8	Quantifying the influences of atmospheric stability on air pollution in Lanzhou, China, using a radon-based stability monitor. <i>Atmospheric Environment</i> , 2015, 107, 233-243.	1.9	54
9	Impacts of cave air ventilation and in-cave prior calcite precipitation on Golgotha Cave dripwater chemistry, southwest Australia. <i>Quaternary Science Reviews</i> , 2015, 127, 61-72.	1.4	52
10	Improved mixing height monitoring through a combination of lidar and radon measurements. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 207-218.	1.2	46
11	Surface-to-mountaintop transport characterised by radon observations at the Jungfrauoch. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12763-12779.	1.9	45
12	Radon as a tracer of atmospheric influences on traffic-related air pollution in a small inland city. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 30967.	0.8	43
13	Diode laser absorption spectroscopy of water vapor in a scramjet combustor. <i>Applied Optics</i> , 2005, 44, 6653.	2.1	42
14	Towards a Universal "Baseline" Characterisation of Air Masses for High- and Low-Altitude Observing Stations Using Radon-222. <i>Aerosol and Air Quality Research</i> , 2016, 16, 885-899.	0.9	42
15	Characterizing Atmospheric Transport Pathways to Antarctica and the Remote Southern Ocean Using Radon-222. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	37
16	Atmospheric mercury in the Southern Hemisphere tropics: seasonal and diurnal variations and influence of inter-hemispheric transport. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11623-11636.	1.9	36
17	Identifying tropospheric baseline air masses at Mauna Loa Observatory between 2004 and 2010 using Radon-222 and back trajectories. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 992-1004.	1.2	30
18	Quantifying stability influences on air pollution in Lanzhou, China, using a radon-based "stability monitor": Seasonality and extreme events. <i>Atmospheric Environment</i> , 2016, 145, 376-391.	1.9	29

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19	A Clean Air Plan for Sydney: An Overview of the Special Issue on Air Quality in New South Wales. <i>Atmosphere</i> , 2019, 10, 774.	1.0	29
20	Skill-Testing Chemical Transport Models across Contrasting Atmospheric Mixing States Using Radon-222. <i>Atmosphere</i> , 2019, 10, 25.	1.0	28
21	Constraining annual and seasonal radon-222 flux density from the Southern Ocean using radon-222 concentrations in the boundary layer at Cape Grim. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 19622.	0.8	27
22	Characterizing the State of the Urban Surface Layer Using Radon-222. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 770-788.	1.2	26
23	Evaporation and concentration gradients created by episodic river recharge in a semi-arid zone aquifer: Insights from Cl ⁻ , ¹⁸ O, ² H, and ³ H. <i>Journal of Hydrology</i> , 2015, 529, 1070-1078.	2.3	25
24	Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. <i>Atmosphere</i> , 2018, 9, 466.	1.0	25
25	Assessing the impact of atmospheric stability on locally and remotely sourced aerosols at Richmond, Australia, using Radon-222. <i>Atmospheric Environment</i> , 2016, 127, 107-117.	1.9	24
26	The MUMBA campaign: measurements of urban, marine and biogenic air. <i>Earth System Science Data</i> , 2017, 9, 349-362.	3.7	24
27	Ubiquitous karst hydrological control on speleothem oxygen isotope variability in a global study. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	24
28	Simulations of separated flow over two-dimensional hills. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2010, 98, 155-160.	1.7	23
29	Increasing the accuracy and temporal resolution of two-filter radon-222 measurements by correcting for the instrument response. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2689-2707.	1.2	22
30	Atmospheric stability effects on potential radiological releases at a nuclear research facility in Romania: Characterising the atmospheric mixing state. <i>Journal of Environmental Radioactivity</i> , 2016, 154, 68-82.	0.9	22
31	Urban Air Quality in a Coastal City: Wollongong during the MUMBA Campaign. <i>Atmosphere</i> , 2018, 9, 500.	1.0	22
32	Response of water vapour D-excess to land-atmosphere interactions in a semi-arid environment. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 533-548.	1.9	19
33	Impact of meteorology on fine aerosols at Lucas Heights, Australia. <i>Atmospheric Environment</i> , 2016, 145, 135-146.	1.9	17
34	Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1—Meteorological Model Comparison. <i>Atmosphere</i> , 2019, 10, 374.	1.0	17
35	Stable water isotope and surface heat flux simulation using ISOLSM: Evaluation against in-situ measurements. <i>Journal of Hydrology</i> , 2015, 523, 67-78.	2.3	14
36	Improving the Representation of Cross-Boundary Transport of Anthropogenic Pollution in East Asia Using Radon-222. <i>Aerosol and Air Quality Research</i> , 2016, 16, 958-976.	0.9	14

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37	A 35-yr record of groundwater recharge in south-west Australia using stable water isotopes. <i>Science of the Total Environment</i> , 2020, 717, 135105.	3.9	13
38	Particulate Pollution in the Sydney Region: Source Diagnostics and Synoptic Controls. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1055-1066.	0.9	13
39	Statistical analysis of Seoul air quality to assess the efficacy of emission abatement strategies since 1987. <i>Science of the Total Environment</i> , 2017, 580, 105-116.	3.9	12
40	Impact of Atmospheric Flow Conditions on Fine Aerosols in Sydney, Australia. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1746-1759.	0.9	11
41	Modern speleothem oxygen isotope hydroclimate records in water-limited SE Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 431-448.	1.6	10
42	Analysis of a decade of Asian outflow of PM10 and TSP to Gosan, Korea; also incorporating Radon-222. <i>Atmospheric Pollution Research</i> , 2015, 6, 529-539.	1.8	9
43	Composition of Clean Marine Air and Biogenic Influences on VOCs during the MUMBA Campaign. <i>Atmosphere</i> , 2019, 10, 383.	1.0	8
44	Seasonal Variation of Biogenic and Anthropogenic VOCs in a Semi-Urban Area Near Sydney, Australia. <i>Atmosphere</i> , 2021, 12, 47.	1.0	8
45	Using Radon-222 as an Indicator of Atmospheric Mixing Depth in ME-2 for PM2.5 Source Apportionment. <i>Aerosol and Air Quality Research</i> , 2015, 15, 611-624.	0.9	7
46	Summer aerosol measurements over the East Antarctic seasonal ice zone. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9497-9513.	1.9	6
47	Investigating Local and Remote Terrestrial Influence on Air Masses at Contrasting Antarctic Sites Using Radon-222 and Back Trajectories. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,525.	1.2	5
48	Comprehensive aerosol and gas data set from the Sydney Particle Study. <i>Earth System Science Data</i> , 2019, 11, 1883-1903.	3.7	5
49	Rainfall Stable Water Isotope Variability in Coastal Southwestern Western Australia and Its Relationship to Climate on Multiple Timescales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	4
50	Portable two-filter dual-flow-loop ^{222}Rn detector: stand-alone monitor and calibration transfer device. <i>Advances in Geosciences</i> , 0, 57, 63-80.	12.0	2
51	IRIS analyser assessment reveals sub-hourly variability of isotope ratios in carbon dioxide at Baring Head, New Zealand's atmospheric observatory in the Southern Ocean. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1631-1656.	1.2	0