

David Lee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

6,427
citations

29
h-index

80
g-index

80
ext. papers

7,293
ext. citations

5.4
avg, IF

5.13
L-index

#	Paper	IF	Citations
75	Historical (1850-2000) gridded anthropogenic and biomass burning emissions of reactive gases and aerosols: methodology and application. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7017-7039	6.8	1724
74	A global high-resolution emission inventory for ammonia. <i>Global Biogeochemical Cycles</i> , 1997 , 11, 561-587	5.9	812
73	Aviation and global climate change in the 21st century. <i>Atmospheric Environment</i> , 2009 , 43, 3520-3537	5.3	654
72	Transport impacts on atmosphere and climate: Aviation. <i>Atmospheric Environment</i> , 2010 , 44, 4678-4734	5.3	433
71	Transport impacts on atmosphere and climate: Metrics. <i>Atmospheric Environment</i> , 2010 , 44, 4648-4677	5.3	283
70	Estimations of global no, emissions and their uncertainties. <i>Atmospheric Environment</i> , 1997 , 31, 1735-1749	5.3	246
69	Aviation radiative forcing in 2000: An update on IPCC (1999). <i>Meteorologische Zeitschrift</i> , 2005 , 14, 555-561	5.1	216
68	The contribution of global aviation to anthropogenic climate forcing for 2000 to 2018. <i>Atmospheric Environment</i> , 2021 , 244, 117834	5.3	160
67	Flying into the future: aviation emissions scenarios to 2050. <i>Environmental Science & Technology</i> , 2010 , 44, 2255-60	10.3	132
66	Atmospheric concentrations of trace elements in urban areas of the United Kingdom. <i>Atmospheric Environment</i> , 1994 , 28, 2691-2713	5.3	132
65	Dispersion, deposition and impacts of atmospheric ammonia: quantifying local budgets and spatial variability. <i>Environmental Pollution</i> , 1998 , 102, 349-361	9.3	113
64	Shipping emissions: from cooling to warming of climate-and reducing impacts on health. <i>Environmental Science & Technology</i> , 2009 , 43, 9057-62	10.3	89
63	Gas-phase mercury in the atmosphere of the United Kingdom. <i>Atmospheric Environment</i> , 1998 , 32, 855-864	5.4	89
62	The ANCAT/EC global inventory of NO _x emissions from aircraft. <i>Atmospheric Environment</i> , 1997 , 31, 1751-1768	5.3	680
61	Impact of aircraft NO _x emissions on the atmosphere ¶tradeoffs to reduce the impact. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 1529-1548	6.8	70
60	The impact of cruise altitude on contrails and related radiative forcing. <i>Meteorologische Zeitschrift</i> , 2005 , 14, 563-572	3.1	69
59	The potential impact of ozone on materials in the U.K.. <i>Atmospheric Environment</i> , 1996 , 30, 1053-1065	5.3	62

58	Is there a trend in cirrus cloud cover due to aircraft traffic?. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 2155-2162	6.8	58
57	Modelling atmospheric mercury transport and deposition across Europe and the UK. <i>Atmospheric Environment</i> , 2001 , 35, 5455-5466	5.3	54
56	Spatial and temporal variation of rural nitrogen dioxide concentrations across the United Kingdom. <i>Atmospheric Environment</i> , 1995 , 29, 223-239	5.3	54
55	An industrial emissions inventory of calcium for Europe. <i>Atmospheric Environment</i> , 1999 , 33, 1687-1697	5.3	52
54	SEB structures and Environment. <i>Biosystems Engineering</i> , 2001 , 78, 1-14		44
53	Indoor concentrations of ammonia and the potential contribution of humans to atmospheric budgets. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1-7		36
52	Aircraft emission mitigation by changing route altitude: A multi-model estimate of aircraft NOx emission impact on O3 photochemistry. <i>Atmospheric Environment</i> , 2014 , 95, 468-479	5.3	35
51	Aviation-induced radiative forcing and surface temperature change in dependency of the emission altitude. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		32
50	Bulk and surface recombination in InAs/AlAs _{0.16} Sb _{0.84} 3.45 μ m light emitting diodes. <i>Applied Physics Letters</i> , 2000 , 76, 943-945	3.4	30
49	Measuring ammonia emission rates from livestock buildings and manure stores?part 1: development and validation of external tracer ratio, internal tracer ratio and passive flux sampling methods. <i>Atmospheric Environment</i> , 2004 , 38, 3003-3015	5.3	29
48	The Great Dun Fell Experiment 1995: an overview. <i>Atmospheric Research</i> , 1999 , 50, 151-184	5.4	29
47	Uncertainties in current estimates of emissions of ammonia in the United Kingdom. <i>Environmental Pollution</i> , 1994 , 86, 267-77	9.3	29
46	Impact of aircraft NOx emissions. Part 2: Effects of lowering the flight altitude. <i>Meteorologische Zeitschrift</i> , 2002 , 11, 197-205	3.1	29
45	Modelling base cations in Europe—sources, transport and deposition of calcium. <i>Atmospheric Environment</i> , 1999 , 33, 2241-2256	5.3	28
44	A comparison between wet and bulk deposition at an urban site in the U.K.. <i>Water, Air, and Soil Pollution</i> , 1992 , 64, 635-648	2.6	28
43	The assessment of the impact of aviation NOx on ozone and other radiative forcing responses □ The importance of representing cruise altitudes accurately. <i>Atmospheric Environment</i> , 2013 , 74, 159-168	5.3	27
42	Exchange of ammonia at the sea surface— preliminary study. <i>Atmospheric Environment</i> , 1998 , 32, 431-439	5.3	27
41	Polycyclic aromatic hydrocarbon emissions from the combustion of alternative fuels in a gas turbine engine. <i>Environmental Science & Technology</i> , 2012 , 46, 6393-400	10.3	25

40	Atmospheric ammonia emissions from agricultural waste combustion. <i>Geophysical Research Letters</i> , 1994 , 21, 281-284	4.9	23
39	The inclusion of the aviation sector within the European Union's Emissions Trading Scheme: What are the prospects for a more sustainable aviation industry?. <i>Environmental Development</i> , 2012 , 2, 48-56	4.1	22
38	SEBstructures and Environment. <i>Biosystems Engineering</i> , 2000 , 77, 355-364		21
37	Global emissions inventories of acid-related compounds. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 25-36	2.6	21
36	Global-mean temperature change from shipping toward 2050: improved representation of the indirect aerosol effect in simple climate models. <i>Environmental Science & Technology</i> , 2012 , 46, 8868-77	10.3	20
35	Wet deposition at the sub-20 km scale in a rural upland area of England. <i>Atmospheric Environment</i> , 1996 , 30, 1193-1207	5.3	19
34	Observations on Gaseous and Aerosols Components of the Atmosphere and Their Relationships. <i>Water, Air, and Soil Pollution</i> , 1999 , 113, 175-202	2.6	18
33	Modelling the atmospheric oxidised and reduced nitrogen budgets for the UK with a Lagrangian multi-layer long-range transport model. <i>Environmental Modeling and Assessment</i> , 2000 , 5, 83-104	2	16
32	Acid deposition: a select review 1852-1990. <i>Fuel</i> , 1993 , 72, 1261-1280	7.1	16
31	Gas Turbine Engine Nonvolatile Particulate Matter Mass Emissions: Correlation with Smoke Number for Conventional and Alternative Fuel Blends. <i>Environmental Science & Technology</i> , 2017 , 51, 988-996	10.3	14
30	New Directions: Assessing the real impact of CO2 emissions trading by the aviation industry. <i>Atmospheric Environment</i> , 2000 , 34, 5337-5338	5.3	14
29	Trading off Aircraft Fuel Burn and NO Emissions for Optimal Climate Policy. <i>Environmental Science & Technology</i> , 2018 , 52, 2498-2505	10.3	13
28	Variation of radiative forcings and global warming potentials from regional aviation NOx emissions. <i>Atmospheric Environment</i> , 2015 , 104, 69-78	5.3	13
27	Atmospheric deposition of sulphur and nitrogen species in the U.K.. <i>Freshwater Biology</i> , 1996 , 36, 151-167	7.1	13
26	Estimates of emissions of SO2, NOx, HCl and NH3 from a densely populated region of the UK. <i>Environmental Pollution</i> , 1993 , 79, 37-44	9.3	13
25	Impact of Coupled NOx/Aerosol Aircraft Emissions on Ozone Photochemistry and Radiative Forcing. <i>Atmosphere</i> , 2015 , 6, 751-782	2.7	11
24	Intercomparison of the capabilities of simplified climate models to project the effects of aviation CO2 on climate. <i>Atmospheric Environment</i> , 2013 , 75, 321-328	5.3	10
23	Sensitivity of radiative properties of persistent contrails to the ice water path. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7893-7901	6.8	10

22	Acid deposition: a select review 1852-1990. <i>Fuel</i> , 1993 , 72, 1363-1380	7.1	10
21	The implications of carbon dioxide and methane exchange for the heavy mitigation RCP2.6 scenario under two metrics. <i>Environmental Science and Policy</i> , 2015 , 51, 77-87	6.2	9
20	Modelling the contribution of different sources of sulphur to atmospheric deposition in the United Kingdom. <i>Environmental Modeling and Assessment</i> , 2000 , 5, 105-118	2	8
19	A statistical intercomparison between Urban and Rural precipitation chemistry data from greater Manchester and two nearby secondary national network sites in the United Kingdom. <i>Atmospheric Environment Part A General Topics</i> , 1992 , 26, 2869-2883		8
18	Spatial variability of urban precipitation chemistry and deposition: Statistical associations between constituents and potential removal processes of precursor species. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1993 , 27, 321-337		8
17	Parametrisation of the orographic enhancement of precipitation and deposition in a long-term, long-range transport model. <i>Annales Geophysicae</i> , 2000 , 18, 1447-1466	2	7
16	Field observations of SIV in cloud. <i>Atmospheric Research</i> , 1999 , 50, 345-358	5.4	7
15	Greater fuel efficiency is potentially preferable to reducing NO emissions for aviation's climate impacts. <i>Nature Communications</i> , 2021 , 12, 564	17.4	7
14	Evidence for long-term changes in base cations in the atmospheric aerosol. <i>Journal of Geophysical Research</i> , 1998 , 103, 21955-21966		5
13	The measurement of atmospheric concentrations and deposition of semi-volatile organic compounds. <i>Environmental Monitoring and Assessment</i> , 1994 , 32, 59-91	3.1	5
12	The establishment of an urban acid deposition monitoring network. <i>The Environmentalist</i> , 1987 , 7, 299-307		5
11	Quantifying aviation's contribution to global warming. <i>Environmental Research Letters</i> , 2021 , 16, 104027	6.2	5
10	Quantifying uncertainty in future Southern Hemisphere circulation trends. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	4
9	The impact of aviation on climate. <i>Issues in Environmental Science and Technology</i> , 1-24	0.7	4
8	Aviation emissions: present-day and future. <i>Meteorologische Zeitschrift</i> , 2002 , 11, 141-150	3.1	3
7	Aviation Emissions 2010 ,		2
6	Modelling the UK reduced nitrogen budget. <i>Physics and Chemistry of the Earth</i> , 2001 , 26, 819-824		2
5	Modelling long-term trends in UK sulphur deposition. <i>Physics and Chemistry of the Earth</i> , 2001 , 26, 813-817		2

4	Modelling Acidic Deposition in the United Kingdom at a Scale of 5 Km by 5 Km. <i>Water, Air, and Soil Pollution</i> , 2001 , 130, 319-324	2.6	1
3	Simple Versus Complex Physical Representation of the Radiative Forcing From Linear Contrails: A Sensitivity Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2831-2840	4.4	0
2	Review: The Effects of Supersonic Aviation on Ozone and Climate. <i>Aerospace</i> , 2022 , 9, 41	2.5	0
1	Wet Deposition to an Upland Area of England in 1988 and 1999: Measurements and Modelling. <i>Water, Air, and Soil Pollution</i> , 2001 , 130, 1625-1630	2.6	