

David Lee

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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	Review: The Effects of Supersonic Aviation on Ozone and Climate. <i>Aerospace</i> , 2022 , 9, 41	2.5	0
74	Quantifying aviation's contribution to global warming. <i>Environmental Research Letters</i> , 2021 , 16, 104027	6.2	5
73	The contribution of global aviation to anthropogenic climate forcing for 2000 to 2018. <i>Atmospheric Environment</i> , 2021 , 244, 117834	5.3	160
72	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
71	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
70	Trading off Aircraft Fuel Burn and NO Emissions for Optimal Climate Policy. <i>Environmental Science & Technology</i> , 2018 , 52, 2498-2505	10.3	13
69	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
68	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
67	Impact of Coupled NOx/Aerosol Aircraft Emissions on Ozone Photochemistry and Radiative Forcing. <i>Atmosphere</i> , 2015 , 6, 751-782	2.7	11
66	Variation of radiative forcings and global warming potentials from regional aviation NOx emissions. <i>Atmospheric Environment</i> , 2015 , 104, 69-78	5.3	13
65	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
64	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
63	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
62	Quantifying uncertainty in future Southern Hemisphere circulation trends. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	4
61	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
60	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
59	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

58	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
57	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
56	Flying into the future: aviation emissions scenarios to 2050. <i>Environmental Science & Technology</i> , 2010 , 44, 2255-60	10.3	132
55	Aviation Emissions 2010 ,		2
54	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
53	Transport impacts on atmosphere and climate: Metrics. <i>Atmospheric Environment</i> , 2010 , 44, 4648-4677	5.3	283
52	Transport impacts on atmosphere and climate: Aviation. <i>Atmospheric Environment</i> , 2010 , 44, 4678-4734	5.3	433
51	Aviation and global climate change in the 21st century. <i>Atmospheric Environment</i> , 2009 , 43, 3520-3537	5.3	654
50	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
49	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
48	The impact of cruise altitude on contrails and related radiative forcing. <i>Meteorologische Zeitschrift</i> , 2005 , 14, 563-572	3.1	69
47	Aviation radiative forcing in 2000: An update on IPCC (1999). <i>Meteorologische Zeitschrift</i> , 2005 , 14, 555-561	3.1	216
46	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
45	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
44	Aviation emissions: present-day and future. <i>Meteorologische Zeitschrift</i> , 2002 , 11, 141-150	3.1	3
43	Impact of aircraft NO _x emissions. Part 2: Effects of lowering the flight altitude. <i>Meteorologische Zeitschrift</i> , 2002 , 11, 197-205	3.1	29
42	SEBstructures and Environment. <i>Biosystems Engineering</i> , 2001 , 78, 1-14		44
41	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

40	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	
39	Modelling atmospheric mercury transport and deposition across Europe and the UK. <i>Atmospheric Environment</i> , 2001 , 35, 5455-5466	5.3	54
38	Modelling the UK reduced nitrogen budget. <i>Physics and Chemistry of the Earth</i> , 2001 , 26, 819-824		2
37	Modelling long-term trends in UK sulphur deposition. <i>Physics and Chemistry of the Earth</i> , 2001 , 26, 813-817		2
36	SEB structures and Environment. <i>Biosystems Engineering</i> , 2000 , 77, 355-364		21
35	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
34	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
33	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
32	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
31	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
30	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
29	Modelling base cations in Europe—sources, transport and deposition of calcium. <i>Atmospheric Environment</i> , 1999 , 33, 2241-2256	5.3	28
28	An industrial emissions inventory of calcium for Europe. <i>Atmospheric Environment</i> , 1999 , 33, 1687-1697	5.3	52
27	Field observations of SIV in cloud. <i>Atmospheric Research</i> , 1999 , 50, 345-358	5.4	7
26	The Great Dun Fell Experiment 1995: an overview. <i>Atmospheric Research</i> , 1999 , 50, 151-184	5.4	29
25	Exchange of ammonia at the sea surface—preliminary study. <i>Atmospheric Environment</i> , 1998 , 32, 431-439	5.3	27
24	Gas-phase mercury in the atmosphere of the United Kingdom. <i>Atmospheric Environment</i> , 1998 , 32, 855-864		89
23	Dispersion, deposition and impacts of atmospheric ammonia: quantifying local budgets and spatial variability. <i>Environmental Pollution</i> , 1998 , 102, 349-361	9.3	113

22	Evidence for long-term changes in base cations in the atmospheric aerosol. <i>Journal of Geophysical Research</i> , 1998 , 103, 21955-21966		5
21	A global high-resolution emission inventory for ammonia. <i>Global Biogeochemical Cycles</i> , 1997 , 11, 561-587	5.9	812
20	Estimations of global NO _x emissions and their uncertainties. <i>Atmospheric Environment</i> , 1997 , 31, 1735-1749	5.3	246
19	The ANCAT/EC global inventory of NO _x emissions from aircraft. <i>Atmospheric Environment</i> , 1997 , 31, 1751-1768	5.3	680
18	The potential impact of ozone on materials in the U.K.. <i>Atmospheric Environment</i> , 1996 , 30, 1053-1065	5.3	62
17	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
16	Atmospheric deposition of sulphur and nitrogen species in the U.K.. <i>Freshwater Biology</i> , 1996 , 36, 151-167	5.1	13
15	Global emissions inventories of acid-related compounds. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 25-36	2.6	21
14	Spatial and temporal variation of rural nitrogen dioxide concentrations across the United Kingdom. <i>Atmospheric Environment</i> , 1995 , 29, 223-239	5.3	54
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	Atmospheric ammonia emissions from agricultural waste combustion. <i>Geophysical Research Letters</i> , 1994 , 21, 281-284	4.9	23
11	Uncertainties in current estimates of emissions of ammonia in the United Kingdom. <i>Environmental Pollution</i> , 1994 , 86, 267-77	9.3	29
10	Atmospheric concentrations of trace elements in urban areas of the United Kingdom. <i>Atmospheric Environment</i> , 1994 , 28, 2691-2713	5.3	132
9	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
8	Estimates of emissions of SO ₂ , NO _x , HCl and NH ₃ from a densely populated region of the UK. <i>Environmental Pollution</i> , 1993 , 79, 37-44	9.3	13
7	Acid deposition: a select review 1852-1990. <i>Fuel</i> , 1993 , 72, 1261-1280	7.1	16
6	Acid deposition: a select review 1852-1990. <i>Fuel</i> , 1993 , 72, 1363-1380	7.1	10
5	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

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| 4 | 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 |
| 3 | 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 |
| 2 | The establishment of an urban acid deposition monitoring network. <i>The Environmentalist</i> , 1987 , 7, 299-307 | 5 |
| 1 | The impact of aviation on climate. <i>Issues in Environmental Science and Technology</i> , 1-24 | 0.7 4 |