

Ben Langford

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,845
citations

257101

24
h-index

288905

40
g-index

60
all docs

60
docs citations

60
times ranked

3632
citing authors

#	ARTICLE	IF	CITATIONS
1	Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8217-8299.	1.9	641
2	Nitrogen management is essential to prevent tropical oil palm plantations from causing ground-level ozone pollution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18447-18451.	3.3	161
3	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1039-1050.	1.9	152
4	Simulating atmospheric composition over a South-East Asian tropical rainforest: performance of a chemistry box model. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 279-298.	1.9	132
5	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 169-199.	1.9	130
6	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3065-3114.	1.9	124
7	Fluxes and concentrations of volatile organic compounds from a South-East Asian tropical rainforest. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8391-8412.	1.9	119
8	Meteorology, Air Quality, and Health in London: The ClearLo Project. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 779-804.	1.7	105
9	Introduction to the special issue "In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)". <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7519-7546.	1.9	95
10	Fluxes and concentrations of volatile organic compounds above central London, UK. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 627-645.	1.9	87
11	Mixing ratios and eddy covariance flux measurements of volatile organic compounds from an urban canopy (Manchester, UK). <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1971-1987.	1.9	84
12	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8995-9017.	1.9	82
13	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10243-10269.	1.9	82
14	Eddy-covariance data with low signal-to-noise ratio: time-lag determination, uncertainties and limit of detection. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4197-4213.	1.2	80
15	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. <i>Biogeosciences</i> , 2009, 6, 1655-1670.	1.3	79
16	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3196-3209.	1.8	78
17	Ground-level ozone influenced by circadian control of isoprene emissions. <i>Nature Geoscience</i> , 2011, 4, 671-674.	5.4	59
18	Concentrations and fluxes of isoprene and oxygenated VOCs at a French Mediterranean oak forest. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10085-10102.	1.9	50

#	ARTICLE	IF	CITATIONS
19	Anthropogenic air pollutants reduce insect-mediated pollination services. <i>Environmental Pollution</i> , 2022, 297, 118847.	3.7	41
20	The influence of small-scale variations in isoprene concentrations on atmospheric chemistry over a tropical rainforest. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4121-4134.	1.9	40
21	Atmospheric mixing ratios of methyl ethyl ketone (2-butanone) in tropical, boreal, temperate and marine environments. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10965-10984.	1.9	37
22	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3177-3195.	1.8	36
23	Seasonal and diurnal trends in concentrations and fluxes of volatile organic compounds in central London. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7777-7796.	1.9	34
24	Measurements of traffic-dominated pollutant emissions in a Chinese megacity. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8737-8761.	1.9	33
25	NO _x and O ₃ above a tropical rainforest: an analysis with a global and box model. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10607-10620.	1.9	32
26	Canopy-scale flux measurements and bottom-up emission estimates of volatile organic compounds from a mixed oak and hornbeam forest in northern Italy. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7149-7170.	1.9	27
27	Concentrations of selected volatile organic compounds at kerbside and background sites in central London. <i>Atmospheric Environment</i> , 2014, 95, 456-467.	1.9	26
28	Quantification of VOC emission rates from the biosphere. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 937-944.	5.8	21
29	Vertical profiles of biogenic volatile organic compounds as observed online at a tower in Beijing. <i>Journal of Environmental Sciences</i> , 2020, 95, 33-42.	3.2	19
30	A global model study of the impact of land-use change in Borneo on atmospheric composition. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9183-9194.	1.9	16
31	Impacts of the 2014–2015 Holuhraun eruption on the UK atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11415-11431.	1.9	16
32	A review of stereochemical implications in the generation of secondary organic aerosol from isoprene oxidation. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1369-1380.	1.7	14
33	Surface–atmosphere fluxes of volatile organic compounds in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15101-15125.	1.9	13
34	Isoprene emission potentials from European oak forests derived from canopy flux measurements: an assessment of uncertainties and inter-algorithm variability. <i>Biogeosciences</i> , 2017, 14, 5571-5594.	1.3	11
35	Seasonal fluxes of carbon monoxide from an intensively grazed grassland in Scotland. <i>Atmospheric Environment</i> , 2018, 194, 170-178.	1.9	10
36	Decoding the social volatilome by tracking rapid context-dependent odour change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190259.	1.8	6

#	ARTICLE	IF	CITATIONS
37	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. Atmospheric Chemistry and Physics, 2021, 21, 147-162.	1.9	6
38	Corrigendum to "Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools" published in Atmos. Chem. Phys., 10, 169-199, 2010. Atmospheric Chemistry and Physics, 2010, 10, 563-563.	1.9	5
39	Seasonality of isoprene emissions and oxidation products above the remote Amazon. Environmental Science Atmospheres, 2022, 2, 230-240.	0.9	4
40	Reply to 'Circadian control of global isoprene emissions'. Nature Geoscience, 2012, 5, 435-436.	5.4	2
41	Passive breath monitoring of livestock: using factor analysis to deconvolve the cattle shed. Journal of Breath Research, 2022, 16, 026005.	1.5	0