

Dominick Spracklen

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

7,762
citations

87723

38
h-index

82410

72
g-index

73
all docs

73
docs citations

73
times ranked

10125
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of semi-natural broadleaf woodland and pasture on soil properties and flood discharge. <i>Hydrological Processes</i> , 2022, 36, e14453.	1.1	12
2	Contrasting impacts of forests on cloud cover based on satellite observations. <i>Nature Communications</i> , 2022, 13, 670.	5.8	42
3	Doubling of annual forest carbon loss over the tropics during the early twenty-first century. <i>Nature Sustainability</i> , 2022, 5, 444-451.	11.5	47
4	The contribution of emission sources to the future air pollution disease burden in China. <i>Environmental Research Letters</i> , 2022, 17, 064027.	2.2	5
5	Emission Sector Impacts on Air Quality and Public Health in China From 2010 to 2020. <i>GeoHealth</i> , 2022, 6, .	1.9	5
6	Sensitivity of Air Pollution Exposure and Disease Burden to Emission Changes in China Using Machine Learning Emulation. <i>GeoHealth</i> , 2022, 6, .	1.9	13
7	The carbon sequestration potential of Scottish native woodland. <i>Environmental Research Communications</i> , 2021, 3, 041003.	0.9	4
8	An Assessment of Land-Atmosphere Interactions over South America Using Satellites, Reanalysis, and Two Global Climate Models. <i>Journal of Hydrometeorology</i> , 2021, 22, 905-922.	0.7	33
9	Regional Policies Targeting Residential Solid Fuel and Agricultural Emissions Can Improve Air Quality and Public Health in the Greater Bay Area and Across China. <i>GeoHealth</i> , 2021, 5, e2020GH000341.	1.9	9
10	Evapotranspiration in the Amazon: spatial patterns, seasonality, and recent trends in observations, reanalysis, and climate models. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2279-2300.	1.9	32
11	Statistical Emulation of Winter Ambient Fine Particulate Matter Concentrations From Emission Changes in China. <i>GeoHealth</i> , 2021, 5, e2021GH000391.	1.9	12
12	Robust Amazon precipitation projections in climate models that capture realistic land-atmosphere interactions. <i>Environmental Research Letters</i> , 2021, 16, 074002.	2.2	21
13	Upward expansion and acceleration of forest clearance in the mountains of Southeast Asia. <i>Nature Sustainability</i> , 2021, 4, 892-899.	11.5	56
14	Large Air Quality and Public Health Impacts due to Amazonian Deforestation Fires in 2019. <i>GeoHealth</i> , 2021, 5, e2021GH000429.	1.9	16
15	Air Pollution From Forest and Vegetation Fires in Southeast Asia Disproportionately Impacts the Poor. <i>GeoHealth</i> , 2021, 5, e2021GH000418.	1.9	31
16	Impact of the 2019/2020 Australian Megafires on Air Quality and Health. <i>GeoHealth</i> , 2021, 5, e2021GH000454.	1.9	16
17	Assessing costs of Indonesian fires and the benefits of restoring peatland. <i>Nature Communications</i> , 2021, 12, 7044.	5.8	26
18	Pollutant Emissions from Improved Cookstoves of the Type Used in Sub-Saharan Africa. <i>Combustion Science and Technology</i> , 2020, 192, 1582-1602.	1.2	22

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19	The influence of energy policy on charcoal consumption in urban households in Tanzania. <i>Energy for Sustainable Development</i> , 2020, 57, 200-213.	2.0	32
20	The potential for REDD+ to reduce forest degradation in Vietnam. <i>Environmental Research Letters</i> , 2020, 15, 074025.	2.2	7
21	Air quality and health impacts of vegetation and peat fires in Equatorial Asia during 2004–2015. <i>Environmental Research Letters</i> , 2020, 15, 094054.	2.2	30
22	Forest and Land Fires Are Mainly Associated with Deforestation in Riau Province, Indonesia. <i>Remote Sensing</i> , 2020, 12, 3.	1.8	32
23	A complete transition to clean household energy can save one-quarter of the healthy life lost to particulate matter pollution exposure in India. <i>Environmental Research Letters</i> , 2020, 15, 094096.	2.2	15
24	The impact of COVID-19 control measures on air quality in China. <i>Environmental Research Letters</i> , 2020, 15, 084021.	2.2	69
25	Large air quality and human health impacts due to Amazon forest and vegetation fires. <i>Environmental Research Communications</i> , 2020, 2, 095001.	0.9	31
26	Pollutant emission reductions deliver decreased PM _{2.5} -caused mortality across China during 2015–2017. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11683-11695.	1.9	19
27	Seasonal and Inter-annual Variation of Evapotranspiration in Amazonia Based on Precipitation, River Discharge and Gravity Anomaly Data. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	8
28	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9125-9152.	1.9	60
29	Relationship Between Fire and Forest Cover Loss in Riau Province, Indonesia Between 2001 and 2012. <i>Forests</i> , 2019, 10, 889.	0.9	21
30	Exploring the impacts of anthropogenic emission sectors on PM _{2.5} and human health in South and East Asia. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11887-11910.	1.9	55
31	New estimate of particulate emissions from Indonesian peat fires in 2015. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11105-11121.	1.9	63
32	Climate Benefits of Intact Amazon Forests and the Biophysical Consequences of Disturbance. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	54
33	Have Synergies Between Nitrogen Deposition and Atmospheric CO ₂ Driven the Recent Enhancement of the Terrestrial Carbon Sink?. <i>Global Biogeochemical Cycles</i> , 2019, 33, 163-180.	1.9	37
34	The Impact of Changes in Cloud Water pH on Aerosol Radiative Forcing. <i>Geophysical Research Letters</i> , 2019, 46, 4039-4048.	1.5	31
35	Non-deforestation drivers of fires are increasingly important sources of aerosol and carbon dioxide emissions across Amazonia. <i>Scientific Reports</i> , 2019, 9, 16975.	1.6	35
36	Residential energy use emissions dominate health impacts from exposure to ambient particulate matter in India. <i>Nature Communications</i> , 2018, 9, 617.	5.8	149

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37	Impact on short-lived climate forcers increases projected warming due to deforestation. <i>Nature Communications</i> , 2018, 9, 157.	5.8	86
38	Substantial large-scale feedbacks between natural aerosols and climate. <i>Nature Geoscience</i> , 2018, 11, 44-48.	5.4	50
39	Current and Future Disease Burden From Ambient Ozone Exposure in India. <i>GeoHealth</i> , 2018, 2, 334-355.	1.9	17
40	Substantial changes in air pollution across China during 2015–2017. <i>Environmental Research Letters</i> , 2018, 13, 114012.	2.2	158
41	Stringent Emission Control Policies Can Provide Large Improvements in Air Quality and Public Health in India. <i>GeoHealth</i> , 2018, 2, 196-211.	1.9	27
42	Mixing State of Carbonaceous Aerosols of Primary Emissions from Improved African Cookstoves. <i>Environmental Science & Technology</i> , 2018, 52, 10134-10143.	4.6	18
43	Black-carbon absorption enhancement in the atmosphere determined by particle mixing state. <i>Nature Geoscience</i> , 2017, 10, 184-188.	5.4	303
44	Trees, forests and water: Cool insights for a hot world. <i>Global Environmental Change</i> , 2017, 43, 51-61.	3.6	660
45	Small global effect on terrestrial net primary production due to increased fossil fuel aerosol emissions from East Asia since the turn of the century. <i>Geophysical Research Letters</i> , 2016, 43, 8060-8067.	1.5	20
46	Population exposure to hazardous air quality due to the 2015 fires in Equatorial Asia. <i>Scientific Reports</i> , 2016, 6, 37074.	1.6	151
47	Analysis of particulate emissions from tropical biomass burning using a global aerosol model and long-term surface observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11083-11106.	1.9	104
48	The impact of residential combustion emissions on atmospheric aerosol, human health, and climate. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 873-905.	1.9	122
49	The impact of Amazonian deforestation on Amazon basin rainfall. <i>Geophysical Research Letters</i> , 2015, 42, 9546-9552.	1.5	174
50	Impacts of Amazonia biomass burning aerosols assessed from short-range weather forecasts. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12251-12266.	1.9	46
51	Land Use Change Impacts on Air Quality and Climate. <i>Chemical Reviews</i> , 2015, 115, 4476-4496.	23.0	103
52	Air quality and human health improvements from reductions in deforestation-related fire in Brazil. <i>Nature Geoscience</i> , 2015, 8, 768-771.	5.4	180
53	A Global Analysis of Deforestation in Moist Tropical Forest Protected Areas. <i>PLoS ONE</i> , 2015, 10, e0143886.	1.1	91
54	Tropical montane forests are a larger than expected global carbon store. <i>Biogeosciences</i> , 2014, 11, 2741-2754.	1.3	103

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55	Contribution of vegetation and peat fires to particulate air pollution in Southeast Asia. <i>Environmental Research Letters</i> , 2014, 9, 094006.	2.2	101
56	The direct and indirect radiative effects of biogenic secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 447-470.	1.9	175
57	Regeneration of native broadleaved species on clearfelled conifer plantations in upland Britain. <i>Forest Ecology and Management</i> , 2013, 310, 204-212.	1.4	18
58	Natural aerosol direct and indirect radiative effects. <i>Geophysical Research Letters</i> , 2013, 40, 3297-3301.	1.5	150
59	Natural aerosol "climate feedbacks suppressed by anthropogenic aerosol. <i>Geophysical Research Letters</i> , 2013, 40, 5316-5319.	1.5	32
60	Intercomparison of modal and sectional aerosol microphysics representations within the same 3-D global chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4449-4476.	1.9	101
61	Observations of increased tropical rainfall preceded by air passage over forests. <i>Nature</i> , 2012, 489, 282-285.	13.7	483
62	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12109-12136.	1.9	421
63	A review of natural aerosol interactions and feedbacks within the Earth system. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1701-1737.	1.9	542
64	Description and evaluation of GLOMAP-mode: a modal global aerosol microphysics model for the UKCA composition-climate model. <i>Geoscientific Model Development</i> , 2010, 3, 519-551.	1.3	406
65	Evidence for the role of organics in aerosol particle formation under atmospheric conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6646-6651.	3.3	403
66	Impact of BrO on dimethylsulfide in the remote marine boundary layer. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	75
67	Sources and properties of Amazonian aerosol particles. <i>Reviews of Geophysics</i> , 2010, 48, .	9.0	283
68	Impacts of climate change from 2000 to 2050 on wildfire activity and carbonaceous aerosol concentrations in the western United States. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	356
69	Boreal forests, aerosols and the impacts on clouds and climate. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 4613-4626.	1.6	197
70	Regional and global trends in sulfate aerosol since the 1980s. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	81
71	Wildfires drive interannual variability of organic carbon aerosol in the western U.S. in summer. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	116
72	A global off-line model of size-resolved aerosol microphysics: I. Model development and prediction of aerosol properties. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2227-2252.	1.9	257

#	ARTICLE	IF	CITATIONS
73	A perspective for advancing climate prediction services in Brazil. <i>Climate Resilience and Sustainability</i> , 0, , .	0.9	2