

Peng Lynch

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,216
citations

394421

19
h-index

395702

33
g-index

55
all docs

55
docs citations

55
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of haze-driven secondary production of supermicrometer aerosol nitrate and sulfate in size distribution data in South Korea. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7505-7522.	4.9	4
2	A Coupled Evaluation of Operational MODIS and Model Aerosol Products for Maritime Environments Using Sun Photometry: Evaluation of the Fine and Coarse Mode. <i>Remote Sensing</i> , 2022, 14, 2978.	4.0	6
3	Development of an Ozone Monitoring Instrument (OMI) aerosol index (AI) data assimilation scheme for aerosol modeling over bright surfaces – a step toward direct radiance assimilation in the UV spectrum. <i>Geoscientific Model Development</i> , 2021, 14, 27-42.	3.6	10
4	Community Challenges and Prospects in the Operational Forecasting of Extreme Biomass Burning Smoke. , 2021, . .		0
5	Saharan dust deposition initiates successional patterns among marine microbes in the Western Atlantic. <i>Limnology and Oceanography</i> , 2020, 65, 191-203.	3.1	8
6	Biofuel Burning Influences Refractory Black Carbon Concentrations in Seasonal Snow at Lower Elevations of the Dudh Koshi River Basin of Nepal. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	8
7	Predicting Vertical Concentration Profiles in the Marine Atmospheric Boundary Layer With a Markov Chain Random Walk Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032731.	3.3	1
8	Bio-Aerosols Negatively Affect Prochlorococcus in Oligotrophic Aerosol-Rich Marine Regions. <i>Atmosphere</i> , 2020, 11, 540.	2.3	11
9	A fast visible-wavelength 3D radiative transfer model for numerical weather prediction visualization and forward modeling. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3235-3261.	3.1	3
10	Investigating size-segregated sources of elemental composition of particulate matter in the South China Sea during the 2011 <i>i>Vasco</i> cruise. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1255-1276.	4.9	23
11	Revisiting the relationship between Atlantic dust and tropical cyclone activity using aerosol optical depth reanalyses: 2003–2018. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15357-15378.	4.9	19
12	Extreme smoke event over the high Arctic. <i>Atmospheric Environment</i> , 2019, 218, 117002.	4.1	9
13	Aerosol Microbiome over the Mediterranean Sea Diversity and Abundance. <i>Atmosphere</i> , 2019, 10, 440.	2.3	22
14	Local Emissions and Regional Wildfires Influence Refractory Black Carbon Observations Near Palmer Station, Antarctica. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	21
15	Current state of the global operational aerosol multi-model ensemble: An update from the International Cooperative for Aerosol Prediction (ICAP). <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 176-209.	2.7	66
16	Quantifying the direct radiative effect of absorbing aerosols for numerical weather prediction: a case study. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 205-218.	4.9	5
17	Near-Surface Refractory Black Carbon Observations in the Atmosphere and Snow in the McMurdo Dry Valleys, Antarctica, and Potential Impacts of Foehn Winds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2877-2887.	3.3	20
18	Supporting Weather Forecasters in Predicting and Monitoring Saharan Air Layer Dust Events as They Impact the Greater Caribbean. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 259-268.	3.3	14

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19	Biomass Burning Plumes in the Vicinity of the California Coast: Airborne Characterization of Physicochemical Properties, Heating Rates, and Spatiotemporal Features. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,560.	3.3	25
20	Exploring the first aerosol indirect effect over Southeast Asia using a 10-year collocated MODIS, CALIOP, and model dataset. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12747-12764.	4.9	20
21	Mesoscale modeling of smoke transport from equatorial Southeast Asian Maritime Continent to the Philippines: First comparison of ensemble analysis with in situ observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5380-5398.	3.3	18
22	Dissolved black carbon in the global cryosphere: Concentrations and chemical signatures. <i>Geophysical Research Letters</i> , 2017, 44, 6226-6234.	4.0	34
23	Analysis of aerosol composition data for western United States wildfires between 2005 and 2015: Dust emissions, chloride depletion, and most enhanced aerosol constituents. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8951-8966.	3.3	86
24	Assimilation of AERONET and MODIS AOT observations using variational and ensemble data assimilation methods and its impact on aerosol forecasting skill. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4967-4992.	3.3	47
25	Size-resolved aerosol and cloud condensation nuclei (CCN) properties in the remote marine South China Sea – Part 1: Observations and source classification. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1105-1123.	4.9	28
26	An 11-year global gridded aerosol optical thickness reanalysis (v1.0) for atmospheric and climate sciences. <i>Geoscientific Model Development</i> , 2016, 9, 1489-1522.	3.6	149
27	Contrasting cloud composition between coupled and decoupled marine boundary layer clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,679.	3.3	21
28	Aerosol meteorology of the Maritime Continent for the 2012 7SEAS southwest monsoon intensive study – Part 1: regional-scale phenomena. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14041-14056.	4.9	28
29	Aerosol meteorology of Maritime Continent for the 2012 7SEAS southwest monsoon intensive study – Part 2: Philippine receptor observations of fine-scale aerosol behavior. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14057-14078.	4.9	38
30	Development of the Ensemble Navy Aerosol Analysis Prediction System (ENAAPS) and its application of the Data Assimilation Research Testbed (DART) in support of aerosol forecasting. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3927-3951.	4.9	56
31	Applying Advanced Ground-Based Remote Sensing in the Southeast Asian Maritime Continent to Characterize Regional Proficiencies in Smoke Transport Modeling. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 3-22.	1.5	31
32	Smoke aerosol transport patterns over the Maritime Continent. <i>Atmospheric Research</i> , 2013, 122, 469-485.	4.1	70
33	Observing and understanding the Southeast Asian aerosol system by remote sensing: An initial review and analysis for the Seven Southeast Asian Studies (7SEAS) program. <i>Atmospheric Research</i> , 2013, 122, 403-468.	4.1	269
34	Impact of modeled versus satellite measured tropical precipitation on regional smoke optical thickness in an aerosol transport model. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	35