

Florian Ditas

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

967
citations

471371

17
h-index

501076

28
g-index

62
all docs

62
docs citations

62
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Amazon boundary layer aerosol concentration sustained by vertical transport during rainfall. <i>Nature</i> , 2016, 539, 416-419.	13.7	112
2	Long-term observations of cloud condensation nuclei in the Amazon rain forest – Part 1: Aerosol size distribution, hygroscopicity, and new model parametrizations for CCN prediction. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15709-15740.	1.9	105
3	Long-term observations of cloud condensation nuclei over the Amazon rain forest – Part 2: Variability and characteristics of biomass burning, long-range transport, and pristine rain forest aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10289-10331.	1.9	64
4	Black and brown carbon over central Amazonia: long-term aerosol measurements at the ATTO site. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12817-12843.	1.9	54
5	Long-term study on coarse mode aerosols in the Amazon rain forest with the frequent intrusion of Saharan dust plumes. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10055-10088.	1.9	52
6	Soluble iron nutrients in Saharan dust over the central Amazon rainforest. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2673-2687.	1.9	51
7	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. <i>Environmental Science & Technology</i> , 2019, 53, 12506-12518.	4.6	45
8	Comparison of different Aethalometer correction schemes and a reference multi-wavelength absorption technique for ambient aerosol data. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2837-2850.	1.2	44
9	Modeling investigation of light-absorbing aerosols in the Amazon Basin during the wet season. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14775-14794.	1.9	42
10	Land cover and its transformation in the backward trajectory footprint region of the Amazon Tall Tower Observatory. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8425-8470.	1.9	41
11	Influx of African biomass burning aerosol during the Amazonian dry season through layered transatlantic transport of black carbon-rich smoke. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4757-4785.	1.9	40
12	Observations of new particle formation in enhanced UV irradiance zones near cumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11701-11711.	1.9	39
13	Aerosol arriving on the Caribbean island of Barbados: physical properties and origin. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14107-14130.	1.9	27
14	Tropical and Boreal Forest – Atmosphere Interactions: A Review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 74, 24.	0.8	27
15	Long-term deposition and condensation ice-nucleating particle measurements from four stations across the globe. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15983-16006.	1.9	24
16	Helicopter-borne observations of the continental background aerosol in combination with remote sensing and ground-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1263-1290.	1.9	23
17	Is There a Classical Inertial Sublayer Over the Amazon Forest?. <i>Geophysical Research Letters</i> , 2019, 46, 5614-5622.	1.5	21
18	African volcanic emissions influencing atmospheric aerosols over the Amazon rain forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10391-10405.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Occurrence and growth of sub-50nm aerosol particles in the Amazonian boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3469-3492.	1.9	16
20	Remote Sensing of Sea Salt Aerosol below Trade Wind Clouds. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 1189-1202.	0.6	15
21	Visualizing reaction and diffusion in xanthan gum aerosol particles exposed to ozone. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20613-20627.	1.3	15
22	Total OH reactivity over the Amazon rainforest: variability with temperature, wind, rain, altitude, time of day, season, and an overall budget closure. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6231-6256.	1.9	15
23	Aerosol measurement methods to quantify spore emissions from fungi and cryptogamic covers in the Amazon. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 153-164.	1.2	14
24	Bioaerosols in the Amazon rain forest: temporal variations and vertical profiles of Eukarya, Bacteria, and Archaea. <i>Biogeosciences</i> , 2021, 18, 4873-4887.	1.3	12
25	Microclimatic conditions and water content fluctuations experienced by epiphytic bryophytes in an Amazonian rain forest. <i>Biogeosciences</i> , 2020, 17, 5399-5416.	1.3	10
26	Frequent new particle formation at remote sites in the subboreal forest of North America. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2487-2505.	1.9	7
27	How weather events modify aerosol particle size distributions in the Amazon boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18065-18086.	1.9	7
28	MIMiX: a Multipurpose In situ Microreactor system for X-ray microspectroscopy to mimic atmospheric aerosol processing. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3717-3729.	1.2	5
29	Imaging Molecular Reaction and Diffusion in Organic Aerosol Particles. <i>Microscopy and Microanalysis</i> , 2018, 24, 496-497.	0.2	0