

Hossein Dadashazar

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

735
citations

516215

16
h-index

552369

26
g-index

48
all docs

48
docs citations

48
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.2	86
2	Impact of Wildfire Emissions on Chloride and Bromide Depletion in Marine Aerosol Particles. <i>Environmental Science & Technology</i> , 2017, 51, 9013-9021.	4.6	51
3	Aerosol-Cloud-Meteorology Interaction Airborne Field Investigations: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1511-1528.	1.7	51
4	Size-resolved composition and morphology of particulate matter during the southwest monsoon in Metro Manila, Philippines. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10675-10696.	1.9	43
5	Sources of pollution and interrelationships between aerosol and precipitation chemistry at a central California site. <i>Science of the Total Environment</i> , 2019, 651, 1776-1787.	3.9	42
6	On the nature of sea salt aerosol at a coastal megacity: Insights from Manila, Philippines in Southeast Asia. <i>Atmospheric Environment</i> , 2019, 216, 116922.	1.9	34
7	Relationships between giant sea salt particles and clouds inferred from aircraft physicochemical data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3421-3434.	1.2	30
8	A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds. <i>Scientific Data</i> , 2018, 5, 180026.	2.4	29
9	Size-resolved characteristics of water-soluble particulate elements in a coastal area: Source identification, influence of wildfires, and diurnal variability. <i>Atmospheric Environment</i> , 2019, 206, 72-84.	1.9	29
10	Characteristic Vertical Profiles of Cloud Water Composition in Marine Stratocumulus Clouds and Relationships With Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3704-3723.	1.2	27
11	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.	1.2	25
12	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 km. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8283-8300.	1.2	24
13	Sources, frequency, and chemical nature of dust events impacting the United States East Coast. <i>Atmospheric Environment</i> , 2020, 231, 117456.	1.9	22
14	Contrasting cloud composition between coupled and decoupled marine boundary layer clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,679.	1.2	21
15	Cloud drop number concentrations over the western North Atlantic Ocean: seasonal cycle, aerosol interrelationships, and other influential factors. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10499-10526.	1.9	20
16	Effects of Biomass Burning on Stratocumulus Droplet Characteristics, Drizzle Rate, and Composition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12301-12318.	1.2	18
17	Aerosol responses to precipitation along North American air trajectories arriving at Bermuda. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16121-16141.	1.9	17
18	Aerosol characteristics in the entrainment interface layer in relation to the marine boundary layer and free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1495-1506.	1.9	16

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19	Cloud Adiabaticity and Its Relationship to Marine Stratocumulus Characteristics Over the Northeast Pacific Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,790.	1.2	16
20	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5025-5048.	1.2	14
21	Source Apportionment of Aerosol at a Coastal Site and Relationships with Precipitation Chemistry: A Case Study over the Southeast United States. <i>Atmosphere</i> , 2020, 11, 1212.	1.0	14
22	Measurement report: Firework impacts on air quality in Metro Manila, Philippines, during the 2019 New Year revelry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6155-6173.	1.9	14
23	An Aerosol Climatology and Implications for Clouds at a Remote Marine Site: Case Study Over Bermuda. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034038.	1.2	12
24	Aircraft Measurements of Total Mercury and Monomethyl Mercury in Summertime Marine Stratus Cloudwater from Coastal California, USA. <i>Environmental Science & Technology</i> , 2018, 52, 2527-2537.	4.6	11
25	Relationships Between Supermicrometer Sea Salt Aerosol and Marine Boundary Layer Conditions: Insights From Repeated Identical Flight Patterns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032346.	1.2	11
26	Contrasting wet deposition composition between three diverse islands and coastal North American sites. <i>Atmospheric Environment</i> , 2021, 244, 117919.	1.9	10
27	Impact of various air mass types on cloud condensation nuclei concentrations along coastal southeast Florida. <i>Atmospheric Environment</i> , 2021, 254, 118371.	1.9	10
28	Biomass Burning Over the United States East Coast and Western North Atlantic Ocean: Implications for Clouds and Air Quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034916.	1.2	10
29	Cold Air Outbreaks Promote New Particle Formation Off the U.S. East Coast. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
30	Stratocumulus cloud clearings: statistics from satellites, reanalysis models, and airborne measurements. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4637-4665.	1.9	7
31	On the relationship between cloud water composition and cloud droplet number concentration. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7645-7665.	1.9	6
32	Relationships between supermicrometer particle concentrations and cloud water sea salt and dust concentrations: analysis of MONARC and ACTIVATE data. <i>Environmental Science Atmospheres</i> , 2022, 2, 738-752.	0.9	3
33	Impact of Polisher Kinematics and Conditioner Disc Designs on Fluid Transport during Chemical Mechanical Planarization. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, P757-P763.	0.9	2
34	Correlating Removal Rate to Directivity in Copper Chemical Mechanical Planarization. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, P734-P739.	0.9	1
35	Effect of conditioner disc wear on frictional, thermal, kinetic and pad micro-textural attributes of interlayer dielectric and tungsten chemical mechanical planarization. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SLLA02.	0.8	0