

# Armin Sorooshian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3469540/publications.pdf>

Version: 2024-02-01

205  
papers

10,588  
citations

28274

55  
h-index

48315

88  
g-index

266  
all docs

266  
docs citations

266  
times ranked

8083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Eddy Simulations of Marine Boundary Layer Clouds Associated with Cold-Air Outbreaks during the ACTIVATE Campaign. Part I: Case Setup and Sensitivities to Large-Scale Forcings. <i>Journals of the Atmospheric Sciences</i> , 2022, 79, 73-100.	1.7	8
2	Macronutrients, trace metals and health risk assessment in agricultural soil and edible plants of Mahshahr City, Iran. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 131.	2.7	2
3	Prediction of airborne pollen concentrations by artificial neural network and their relationship with meteorological parameters and air pollutants. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2022, 20, 251-264.	3.0	3
4	Opportunistic experiments to constrain aerosol effective radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 641-674.	4.9	44
5	Potentially toxic elements and microplastics in muscle tissues of different marine species from the Persian Gulf: Levels, associated risks, and trophic transfer. <i>Marine Pollution Bulletin</i> , 2022, 175, 113283.	5.0	14
6	Cold Air Outbreaks Promote New Particle Formation Off the U.S. East Coast. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
7	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3713-3742.	4.9	6
8	The impact of meteorological parameters on PM <sub>10</sub> and visibility during the Middle Eastern dust storms. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2022, 20, 495-507.	3.0	5
9	40-years of Lake Urmia restoration research: Review, synthesis and next steps. <i>Science of the Total Environment</i> , 2022, 832, 155055.	8.0	29
10	Polarimeter + Lidar-derived Aerosol Particle Number Concentration. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	3.5	5
11	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.	2.4	3
12	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
13	Time Series of Remote Sensing Data for Interaction Analysis of the Vegetation Coverage and Dust Activity in the Middle East. <i>Remote Sensing</i> , 2022, 14, 2963.	4.0	6
14	Dilution of Boundary Layer Cloud Condensation Nucleus Concentrations by Free Tropospheric Entrainment During Marine Cold Air Outbreaks. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
15	Seasonal updraft speeds change cloud droplet number concentrations in low-level clouds over the western North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8299-8319.	4.9	9
16	The impact of sampling strategy on the cloud droplet number concentration estimated from satellite data. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3875-3892.	3.1	15
17	Pollution characteristics and noncarcinogenic risk assessment of fungal bioaerosol in different processing units of waste paper and cardboard recycling factory. <i>Toxin Reviews</i> , 2021, 40, 752-763.	3.4	12
18	Characterization of polycyclic aromatic hydrocarbons associated with PM <sub>10</sub> emitted from the largest composting facility in the Middle East. <i>Toxin Reviews</i> , 2021, 40, 1481-1495.	3.4	8

#	ARTICLE	IF	CITATIONS
19	The concentration, characteristics, and probabilistic health risk assessment of potentially toxic elements (PTEs) in street dust: a case study of Kashan, Iran. <i>Toxin Reviews</i> , 2021, 40, 1421-1430.	3.4	17
20	Contrasting wet deposition composition between three diverse islands and coastal North American sites. <i>Atmospheric Environment</i> , 2021, 244, 117919.	4.1	10
21	Interdisciplinary Approaches to COVID-19. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1318, 923-936.	1.6	11
22	An Overview of Atmospheric Features Over the Western North Atlantic Ocean and North American East Coast – Part 1: Analysis of Aerosols, Gases, and Wet Deposition Chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032592.	3.3	18
23	Contrasting the size-resolved nature of particulate arsenic, cadmium, and lead among diverse regions. <i>Atmospheric Pollution Research</i> , 2021, 12, 352-361.	3.8	5
24	An Overview of Atmospheric Features Over the Western North Atlantic Ocean and North American East Coast – Part 2: Circulation, Boundary Layer, and Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033423.	3.3	26
25	Hygroscopic and chemical properties of aerosol emissions at a major mining facility in Iran: Implications for respiratory deposition. <i>Atmospheric Pollution Research</i> , 2021, 12, 292-301.	3.8	2
26	Municipal solid waste recycling: Impacts on energy savings and air pollution. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 737-753.	1.9	15
27	Measurement report: Long-range transport patterns into the tropical northwest Pacific during the CAMP&lt;sup&gt;2&lt;/sup&gt;Ex aircraft campaign: chemical composition, size distributions, and the impact of convection. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3777-3802.	4.9	22
28	In vitro bioaccessibility, phase partitioning, and health risk of potentially toxic elements in dust of an iron mining and industrial complex. <i>Ecotoxicology and Environmental Safety</i> , 2021, 212, 111972.	6.0	20
29	Analysis of some factors related to dust storms occurrence in the Sistan region. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45450-45458.	5.3	7
30	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.	3.3	12
31	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.	4.9	14
32	Impact of various air mass types on cloud condensation nuclei concentrations along coastal southeast Florida. <i>Atmospheric Environment</i> , 2021, 254, 118371.	4.1	10
33	Cloud, Aerosol, and Radiative Properties Over the Western North Atlantic Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034113.	3.3	5
34	Characteristics of gaseous and particulate air pollutants at four different urban hotspots in Tehran, Iran. <i>Sustainable Cities and Society</i> , 2021, 70, 102907.	10.4	4
35	Comparison of the Filtration Efficiency of Different Face Masks Against Aerosols. <i>Frontiers in Medicine</i> , 2021, 8, 654317.	2.6	7
36	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.	4.9	20

#	ARTICLE	IF	CITATIONS
37	Microplastic fibers in the gut of highly consumed fish species from the southern Caspian Sea. <i>Marine Pollution Bulletin</i> , 2021, 168, 112461.	5.0	31
38	Extreme Aerosol Events at Mesa Verde, Colorado: Implications for Air Quality Management. <i>Atmosphere</i> , 2021, 12, 1140.	2.3	3
39	Total organic carbon and the contribution from speciated organics in cloud water: airborne data analysis from the CAMP&lt;sup&gt;2&lt;/sup&lt;/sup&gt;Ex field campaign. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14109-14129.	4.9	10
40	On the airborne transmission of SARS-CoV-2 and relationship with indoor conditions at a hospital. <i>Atmospheric Environment</i> , 2021, 261, 118563.	4.1	38
41	On Assessing ERA5 and MERRA2 Representations of Cold&lt;sup&gt;2&lt;/sup&lt;/sup&gt;Air Outbreaks Across the Gulf Stream. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094364.	4.0	19
42	Contrasting Iran&lt;sup&gt;2&lt;/sup&lt;/sup&gt;'s air quality improvement during COVID-19 with other global cities. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1801-1806.	3.0	15
43	Foliar surfaces as dust and aerosol pollution monitors: An assessment by a mining site. <i>Science of the Total Environment</i> , 2021, 790, 148164.	8.0	11
44	A wavelet-based random forest approach for indoor BTEX spatiotemporal modeling and health risk assessment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22522-22535.	5.3	4
45	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.	3.3	10
46	Is There a Relationship between Lake Urmia Saline Lakebed Emissions and Wet Deposition Composition in the Caucasus Region?. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2970-2985.	2.7	6
47	Aerosol responses to precipitation along North American air trajectories arriving at Bermuda. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16121-16141.	4.9	17
48	Particulate Oxalate&lt;sup&gt;2&lt;/sup&lt;/sup&gt;-Sulfate Ratio as an Aqueous Processing Marker: Similarity Across Field Campaigns and Limitations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096520.	4.0	6
49	Synthesis and characterization of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> encapsulated NaY zeolites as solid adsorbent for degradation of ceftriaxone through heterogeneous catalytic advanced oxidation processes. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 725-734.	2.2	7
50	On the nature of airborne aldehydes in a middle eastern megacity: Tehran, Iran. <i>Sustainable Cities and Society</i> , 2020, 53, 101895.	10.4	7
51	On the chemical nature of wet deposition over a major desiccated lake: Case study for Lake Urmia basin. <i>Atmospheric Research</i> , 2020, 234, 104762.	4.1	36
52	Characteristics and health risk assessment of polycyclic aromatic hydrocarbons associated with dust in household evaporative coolers. <i>Environmental Pollution</i> , 2020, 256, 113379.	7.5	19
53	Spatial trends, health risk assessment and ozone formation potential linked to BTEX. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2836-2857.	3.4	30
54	On the nature of heavy metals in PM <sub>10</sub> for an urban desert city in the Middle East: Shiraz, Iran. <i>Microchemical Journal</i> , 2020, 154, 104596.	4.5	19

#	ARTICLE	IF	CITATIONS
55	Spatial distribution, environmental risk and sources of heavy metals and polycyclic aromatic hydrocarbons (PAHs) in surface sediments-northwest of Persian Gulf. <i>Continental Shelf Research</i> , 2020, 193, 104036.	1.8	31
56	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
57	Characterization of Aerosol Hygroscopicity Over the Northeast Pacific Ocean: Impacts on Prediction of CCN and Stratocumulus Cloud Droplet Number Concentrations. <i>Earth and Space Science</i> , 2020, 7, e2020EA001098.	2.6	15
58	An annual time series of weekly size-resolved aerosol properties in the megacity of Metro Manila, Philippines. <i>Scientific Data</i> , 2020, 7, 128.	5.3	16
59	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.	2.3	14
60	Coupling an online ion conductivity measurement with the particle-into-liquid sampler: Evaluation and modeling using laboratory and field aerosol data. <i>Aerosol Science and Technology</i> , 2020, 54, 1542-1555.	3.1	5
61	Investigating the relationship between central nervous system biomarkers and short-term exposure to PM10-bound metals during dust storms. <i>Atmospheric Pollution Research</i> , 2020, 11, 2022-2029.	3.8	18
62	The urgent need for integrated science to fight COVID-19 pandemic and beyond. <i>Journal of Translational Medicine</i> , 2020, 18, 205.	4.4	128
63	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.	3.3	11
64	Machine-learning algorithms for predicting land susceptibility to dust emissions: The case of the Jazmurian Basin, Iran. <i>Atmospheric Pollution Research</i> , 2020, 11, 1303-1315.	3.8	64
65	Characterizing Weekly Cycles of Particulate Matter in a Coastal Megacity: The Importance of a Seasonal, Size-Resolved, and Chemically Speciated Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032614.	3.3	22
66	Local and Long-Range Transport Dust Storms Over the City of Ahvaz: A Survey Based on Spatiotemporal and Geometrical Properties. <i>Pure and Applied Geophysics</i> , 2020, 177, 3979-3997.	1.9	11
67	Long-range aerosol transport and impacts on size-resolved aerosol composition in Metro Manila, Philippines. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2387-2405.	4.9	23
68	Characteristics and health effects of volatile organic compound emissions during paper and cardboard recycling. <i>Sustainable Cities and Society</i> , 2020, 56, 102005.	10.4	22
69	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031626.	3.3	35
70	Dataset on specifications, carcinogenic and non-carcinogenic risk of volatile organic compounds during recycling paper and cardboard. <i>Data in Brief</i> , 2020, 29, 105296.	1.0	9
71	Reducing free residual chlorine using four simple physical methods in drinking water: effect of different parameters, monitoring microbial regrowth of culturable heterotrophic bacteria, and kinetic and thermodynamic studies. <i>Toxin Reviews</i> , 2020, , 1-14.	3.4	1
72	Bisphenol A (BPA) and polycyclic aromatic hydrocarbons (PAHs) in the surface sediment and bivalves from Hormozgan Province coastline in the Northern Persian Gulf: A focus on source apportionment. <i>Marine Pollution Bulletin</i> , 2020, 152, 110941.	5.0	17

#	ARTICLE	IF	CITATIONS
73	Indoor and outdoor airborne bacterial and fungal air quality in kindergartens: Seasonal distribution, genera, levels, and factors influencing their concentration. <i>Building and Environment</i> , 2020, 175, 106690.	6.9	41
74	Sources, frequency, and chemical nature of dust events impacting the United States East Coast. <i>Atmospheric Environment</i> , 2020, 231, 117456.	4.1	22
75	Stratocumulus cloud clearings: statistics from satellites, reanalysis models, and airborne measurements. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4637-4665.	4.9	7
76	Sources and characteristics of size-resolved particulate organic acids and methanesulfonate in a coastal megacity: Manila, Philippines. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15907-15935.	4.9	20
77	On the relationship between cloud water composition and cloud droplet number concentration. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7645-7665.	4.9	6
78	Geochemistry and environmental effects of potentially toxic elements, polycyclic aromatic hydrocarbons and microplastics in coastal sediments of the Persian Gulf. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	34
79	Marine Boundary Layer Clouds Associated with Coastally Trapped Disturbances: Observations and Model Simulations. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 2963-2993.	1.7	4
80	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.	4.1	34
81	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.	4.9	43
82	A case study of BTEX characteristics and health effects by major point sources of pollution during winter in Iran. <i>Environmental Pollution</i> , 2019, 247, 607-617.	7.5	54
83	Spatio-temporal variations of absorbing aerosols and their relationship with meteorology over four high altitude sites in glaciated region of Pakistan. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 190, 84-95.	1.6	10
84	Air pollution prediction by using an artificial neural network model. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1341-1352.	4.1	127
85	Do <i>Conocarpus erectus</i> airborne pollen grains exacerbate autumnal thunderstorm asthma attacks in Ahvaz, Iran?. <i>Atmospheric Environment</i> , 2019, 213, 311-325.	4.1	19
86	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.	4.1	29
87	Influence of natural and urban emissions on rainwater chemistry at a southwestern Iran coastal site. <i>Science of the Total Environment</i> , 2019, 668, 1213-1221.	8.0	32
88	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.	3.3	51
89	Temporal characteristics of aerosol optical properties over the glacier region of northern Pakistan. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 186, 35-46.	1.6	16
90	Potentially toxic elements (PTEs) and polycyclic aromatic hydrocarbons (PAHs) in fish and prawn in the Persian Gulf, Iran. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 251-265.	6.0	59

#	ARTICLE	IF	CITATIONS
91	Subtropical Marine Low Stratiform Cloud Deck Spatial Errors in the E3SMv1 Atmosphere Model. <i>Geophysical Research Letters</i> , 2019, 46, 12598-12607.	4.0	11
92	Impact of drought on dust storms: case study over Southwest Iran. <i>Environmental Research Letters</i> , 2019, 14, 124029.	5.2	49
93	Effects of Biomass Burning on Stratocumulus Droplet Characteristics, Drizzle Rate, and Composition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12301-12318.	3.3	18
94	On the nature and health impacts of BTEX in a populated middle eastern city: Tehran, Iran. <i>Atmospheric Pollution Research</i> , 2019, 10, 921-930.	3.8	42
95	Evaluation and modification of SARA high-resolution AOD retrieval algorithm during high dust loading conditions over bright desert surfaces. <i>Atmospheric Pollution Research</i> , 2019, 10, 1005-1014.	3.8	14
96	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.	8.0	42
97	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.	3.3	27
98	Heavy metal contamination and health risk assessment in three commercial fish species in the Persian Gulf. <i>Marine Pollution Bulletin</i> , 2018, 129, 245-252.	5.0	118
99	Characteristics and health effects of BTEX in a hot spot for urban pollution. <i>Ecotoxicology and Environmental Safety</i> , 2018, 155, 133-143.	6.0	165
100	Evaluation of the relationship between PM10 concentrations and heavy metals during normal and dusty days in Ahvaz, Iran. <i>Aeolian Research</i> , 2018, 33, 12-22.	2.7	49
101	Aircraft Measurements of Total Mercury and Methyl Mercury in Summertime Marine Stratus Cloudwater from Coastal California, USA. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2527-2537.	10.0	11
102	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.	4.9	16
103	The Lake Urmia environmental disaster in Iran: A look at aerosol pollution. <i>Science of the Total Environment</i> , 2018, 633, 42-49.	8.0	81
104	A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds. <i>Scientific Data</i> , 2018, 5, 180026.	5.3	29
105	Oxidative potential (OP) and mineralogy of iron ore particulate matter at the Gol-E-Gohar Mining and Industrial Facility (Iran). <i>Environmental Geochemistry and Health</i> , 2018, 40, 1785-1802.	3.4	19
106	Contrasting aerosol optical and radiative properties between dust and urban haze episodes in megacities of Pakistan. <i>Atmospheric Environment</i> , 2018, 173, 157-172.	4.1	37
107	Impacts of climate and synoptic fluctuations on dust storm activity over the Middle East. <i>Atmospheric Environment</i> , 2018, 173, 265-276.	4.1	95
108	On the Morphology and Composition of Particulate Matter in an Urban Environment. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1431-1447.	2.1	81



#	ARTICLE	IF	CITATIONS
109	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14493-14510.	4.9	18
110	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
111	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.	3.3	16
112	Is there an aerosol signature of chemical cloud processing?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16099-16119.	4.9	30
113	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5025-5048.	3.1	14
114	On the chemical nature of precipitation in a populated Middle Eastern Region (Ahvaz, Iran) with diverse sources. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 558-566.	6.0	41
115	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12Åkm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8283-8300.	3.3	24
116	Contamination Level, Source Identification and Risk Assessment of Potentially Toxic Elements (PTEs) and Polycyclic Aromatic Hydrocarbons (PAHs) in Street Dust of an Important Commercial Center in Iran. <i>Environmental Management</i> , 2018, 62, 803-818.	2.7	48
117	Characteristics and health effects of formaldehyde and acetaldehyde in an urban area in Iran. <i>Environmental Pollution</i> , 2018, 242, 938-951.	7.5	86
118	Concentration and type of bioaerosols before and after conventional disinfection and sterilization procedures inside hospital operating rooms. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 277-282.	6.0	35
119	Analysis of Aerosol Optical Properties due to a Haze Episode in the Himalayan Foothills: Implications for Climate Forcing. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1331-1350.	2.1	14
120	Seasonal Variation in Culturable Bioaerosols in a Wastewater Treatment Plant. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2826-2839.	2.1	37
121	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4565-4577.	3.3	10
122	Distribution of potentially toxic elements (PTEs) in tailings, soils, and plants around Gol-E-Gohar iron mine, a case study in Iran. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18798-18816.	5.3	41
123	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1086-1097.	3.3	21
124	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
125	Investigation of microrubbers, microplastics and heavy metals in street dust: a study in Bushehr city, Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	168
126	Impact of Wildfire Emissions on Chloride and Bromide Depletion in Marine Aerosol Particles. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9013-9021.	10.0	51



#	ARTICLE	IF	CITATIONS
127	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.	3.3	30
128	Analysis of remotely sensed and surface data of aerosols and meteorology for the Mexico Megalopolis Area between 2003 and 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8705-8723.	3.3	20
129	Frequency and Character of Extreme Aerosol Events in the Southwestern United States: A Case Study Analysis in Arizona. <i>Atmosphere</i> , 2016, 7, 1.	2.3	62
130	Decreasing Aerosol Loading in the North American Monsoon Region. <i>Atmosphere</i> , 2016, 7, 24.	2.3	10
131	Meteorological and aerosol effects on marine cloud microphysical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4142-4161.	3.3	24
132	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
133	Time-resolved molecular characterization of organic aerosols by PILS+UPLC/ESI-Q-TOFMS. <i>Atmospheric Environment</i> , 2016, 130, 180-189.	4.1	24
134	Impact of Middle Eastern dust storms on indoor and outdoor composition of bioaerosol. <i>Atmospheric Environment</i> , 2016, 138, 135-143.	4.1	72
135	Hygroscopic Properties and Respiratory System Deposition Behavior of Particulate Matter Emitted By Mining and Smelting Operations. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11706-11713.	10.0	37
136	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC4RS campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4188-4210.	3.3	67
137	Temporal profile of PM 10 and associated health effects in one of the most polluted cities of the world (Ahvaz, Iran) between 2009 and 2014. <i>Aeolian Research</i> , 2016, 22, 135-140.	2.7	101
138	Ambient observations of hygroscopic growth factor and $\kappa$ (RH) below 1: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 661-677.	3.3	25
139	Precipitation susceptibility in marine stratocumulus and shallow cumulus from airborne measurements. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11395-11413.	4.9	16
140	Stratocumulus Cloud Clearings and Notable Thermodynamic and Aerosol Contrasts across the Clear-CLOUDY Interface. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1083-1099.	1.7	24
141	Dimethylamine as a major alkyl amine species in particles and cloud water: Observations in semi-arid and coastal regions. <i>Atmospheric Environment</i> , 2015, 122, 250-258.	4.1	71
142	On the presence of giant particles downwind of ships in the marine boundary layer. <i>Geophysical Research Letters</i> , 2015, 42, 2024-2030.	4.0	10
143	Surface and airborne measurements of organosulfur and methanesulfonate over the western United States and coastal areas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8535-8548.	3.3	58
144	Primary marine aerosol-cloud interactions off the coast of California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4282-4303.	3.3	83

#	ARTICLE	IF	CITATIONS
145	Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5645-5658.	4.9	33
146	On the competition among aerosol number, size and composition in predicting CCN variability: a multi-annual field study in an urbanized desert. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6943-6958.	4.9	50
147	An overview of regional and local characteristics of aerosols in South Africa using satellite, ground, and modeling data. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4259-4278.	4.9	73
148	CCN Properties of Organic Aerosol Collected Below and within Marine Stratocumulus Clouds near Monterey, California. <i>Atmosphere</i> , 2015, 6, 1590-1607.	2.3	6
149	Impact of wildfires on size-resolved aerosol composition at a coastal California site. <i>Atmospheric Environment</i> , 2015, 119, 59-68.	4.1	84
150	A Multi-Year Aerosol Characterization for the Greater Tehran Area Using Satellite, Surface, and Modeling Data. <i>Atmosphere</i> , 2014, 5, 178-197.	2.3	79
151	Impact of emissions from shipping, land, and the ocean on stratocumulus cloud water elemental composition during the 2011 E-PEACE field campaign. <i>Atmospheric Environment</i> , 2014, 89, 570-580.	4.1	48
152	Sources of nitrate in stratocumulus cloud water: Airborne measurements during the 2011 E-PEACE and 2013 NiCE studies. <i>Atmospheric Environment</i> , 2014, 97, 166-173.	4.1	52
153	Spatiotemporal distribution of airborne particulate metals and metalloids in a populated arid region. <i>Atmospheric Environment</i> , 2014, 92, 339-347.	4.1	51
154	Key parameters controlling OH-initiated formation of secondary organic aerosol in the aqueous phase (aqSOA). <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3997-4016.	3.3	101
155	Observations of continental biogenic impacts on marine aerosol and clouds off the coast of California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6724-6748.	3.3	33
156	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5830-5866.	3.3	199
157	A satellite perspective on cloud water to rain water conversion rates and relationships with environmental conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6643-6650.	3.3	19
158	Observations of Sharp Oxalate Reductions in Stratocumulus Clouds at Variable Altitudes: Organic Acid and Metal Measurements During the 2011 E-PEACE Campaign. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7747-7756.	10.0	84
159	Evidence of aqueous secondary organic aerosol formation from biogenic emissions in the North American Sonoran Desert. <i>Geophysical Research Letters</i> , 2013, 40, 3468-3472.	4.0	44
160	Observed aerosol effects on marine cloud nucleation and supersaturation. , 2013, , .		1
161	Los Angeles Basin airborne organic aerosol characterization during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,453.	3.3	8
162	Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 709-729.	3.3	89

#	ARTICLE	IF	CITATIONS
163	Aerosol and precipitation chemistry in the southwestern United States: spatiotemporal trends and interrelationships. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7361-7379.	4.9	49
164	Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9819-9835.	4.9	30
165	Composition and hygroscopicity of the Los Angeles Aerosol: CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3016-3036.	3.3	79
166	On the relationship between cloud contact time and precipitation susceptibility to aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,544.	3.3	50
167	Characterisation and airborne deployment of a new counterflow virtual impactor inlet. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1259-1269.	3.1	68
168	Occurrence of lower cloud albedo in ship tracks. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8223-8235.	4.9	103
169	Inverse modelling of cloud-aerosol interactions " Part 2: Sensitivity tests on liquid phase clouds using a Markov chain Monte Carlo based simulation approach. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2823-2847.	4.9	24
170	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8439-8458.	4.9	75
171	Black carbon aerosol over the Los Angeles Basin during CalNex. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	77
172	Aerosol and gas re-distribution by shallow cumulus clouds: An investigation using airborne measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58
173	Hygroscopic and Chemical Properties of Aerosols Collected near a Copper Smelter: Implications for Public and Environmental Health. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9473-9480.	10.0	66
174	An aerosol climatology for a rapidly growing arid region (southern Arizona): Major aerosol species and remotely sensed aerosol properties. <i>Journal of Geophysical Research</i> , 2011, 116, 16.	3.3	67
175	Water-soluble organic aerosol in the Los Angeles Basin and outflow regions: Airborne and ground measurements during the 2010 CalNex field campaign. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
176	Investigating potential biases in observed and modeled metrics of aerosol-cloud-precipitation interactions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4027-4037.	4.9	41
177	Inverse modeling of cloud-aerosol interactions " Part 1: Detailed response surface analysis. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7269-7287.	4.9	12
178	The Pasadena Aerosol Characterization Observatory (PACO): chemical and physical analysis of the Western Los Angeles basin aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7417-7443.	4.9	98
179	Impact of a large wildfire on water-soluble organic aerosol in a major urban area: the 2009 Station Fire in Los Angeles County. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8257-8270.	4.9	56
180	Ocean Emission Effects on Aerosol-Cloud Interactions: Insights from Two Case Studies. <i>Advances in Meteorology</i> , 2010, 2010, 1-9.	1.6	11

#	ARTICLE	IF	CITATIONS
181	Effect of Aerosol on the Susceptibility and Efficiency of Precipitation in Warm Trade Cumulus Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 3525-3540.	1.7	73
182	Deconstructing the precipitation susceptibility construct: Improving methodology for aerosol-cloud precipitation studies. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
183	Constraining the contribution of organic acids and AMS $m/z$ 44 to the organic aerosol budget: On the importance of meteorology, aerosol hygroscopicity, and region. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	79
184	On the precipitation susceptibility of clouds to aerosol perturbations. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	118
185	Marine stratocumulus aerosol-cloud relationships in the MASE experiment: Precipitation susceptibility in eastern Pacific marine stratocumulus. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	65
186	Comprehensive Simultaneous Shipboard and Airborne Characterization of Exhaust from a Modern Container Ship at Sea. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4626-4640.	10.0	192
187	Cloud condensation nuclei activity, closure, and droplet growth kinetics of Houston aerosol during the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	85
188	On the link between ocean biota emissions, aerosol, and maritime clouds: Airborne, ground, and satellite measurements off the coast of California. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	113
189	Aerosol hygroscopicity in the marine atmosphere: a closure study using high-time-resolution, multiple-RH DASH-SP and size-resolved C-ToF-AMS data. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2543-2554.	4.9	64
190	Molar mass, surface tension, and droplet growth kinetics of marine organics from measurements of CCN activity. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	68
191	Rapid, Size-Resolved Aerosol Hygroscopic Growth Measurements: Differential Aerosol Sizing and Hygroscopicity Spectrometer Probe (DASH-SP). <i>Aerosol Science and Technology</i> , 2008, 42, 445-464.	3.1	65
192	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals ( $\text{NO}_3$ ). <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4117-4140.	4.9	317
193	Comprehensive airborne characterization of aerosol from a major bovine source. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5489-5520.	4.9	143
194	Effect of $\text{NO}_x$ level on secondary organic aerosol (SOA) formation from the photooxidation of terpenes. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5159-5174.	4.9	423
195	Secondary aerosol formation from atmospheric reactions of aliphatic amines. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2313-2337.	4.9	308
196	On the Source of Organic Acid Aerosol Layers above Clouds. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4647-4654.	10.0	182
197	Evidence for Organosulfates in Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2007, 41, 517-527.	10.0	591
198	Aerosol-cloud drop concentration closure for clouds sampled during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	97

#	ARTICLE	IF	CITATIONS
199	Regional variation of organic functional groups in aerosol particles on four U.S. east coast platforms during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	98
200	Particulate organic acids and overall water-soluble aerosol composition measurements from the 2006 Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	121
201	Characterization of 2-methylglyceric acid oligomers in secondary organic aerosol formed from the photooxidation of isoprene using trimethylsilylation and gas chromatography/ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 101-116.	1.6	125
202	Oxalic acid in clear and cloudy atmospheres: Analysis of data from International Consortium for Atmospheric Research on Transport and Transformation 2004. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	187
203	Chemical Composition of Secondary Organic Aerosol Formed from the Photooxidation of Isoprene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9665-9690.	2.5	611
204	Modeling and Characterization of a Particle-into-Liquid Sampler (PILS). <i>Aerosol Science and Technology</i> , 2006, 40, 396-409.	3.1	117
205	Eastern Pacific Emitted Aerosol Cloud Experiment (E-PEACE). <i>Bulletin of the American Meteorological Society</i> , 0, , 130109100058001.	3.3	8