Ari Setyan

List of Publications by Year in descending order

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35 papers	2,018 citations	304602 22 h-index	395590 33 g-index
47 all docs	47 docs citations	47 times ranked	3102 citing authors

#	Article	IF	Citations
1	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in aerosol in a 3-D model. Atmospheric Chemistry and Physics, 2014, 14, 6213-6239.	1.9	166
2	Effect of aqueous-phase processing on aerosol chemistry and size distributions in Fresno, California, during wintertime. Environmental Chemistry, 2012, 9, 221.	0.7	159
3	Characterization of submicron particles influenced by mixed biogenic and anthropogenic emissions using high-resolution aerosol mass spectrometry: results from CARES. Atmospheric Chemistry and Physics, 2012, 12, 8131-8156.	1.9	146
4	Enhanced SOA formation from mixed anthropogenic and biogenic emissions during the CARES campaign. Atmospheric Chemistry and Physics, 2013, 13, 2091-2113.	1.9	146
5	Primary and secondary organic aerosols in Fresno, California during wintertime: Results from high resolution aerosol mass spectrometry. Journal of Geophysical Research, 2012, 117, .	3.3	133
6	Adverse Effects of Industrial Multiwalled Carbon Nanotubes on Human Pulmonary Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 72, 60-73.	1.1	129
7	ACTRIS ACSM intercomparison â€“ Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. Atmospheric Measurement Techniques, 2015, 8, 2555-2576.	1.2	118
8	Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. Atmospheric Chemistry and Physics, 2017, 17, 11107-11133.	1.9	109
9	ACTRIS ACSM intercomparison â€“ Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. Atmospheric Measurement Techniques, 2015, 8, 5063-5087.	1.2	104
10	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). Atmospheric Chemistry and Physics, 2012, 12, 7647-7687.	1.9	94
11	CCN activity of organic aerosols observed downwind of urban emissions during CARES. Atmospheric Chemistry and Physics, 2013, 13, 12155-12169.	1.9	88
12	Coating carbon nanotubes with a polystyrene-based polymer protects against pulmonary toxicity. Particle and Fibre Toxicology, 2011, 8, 3.	2.8	74
13	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. Atmospheric Chemistry and Physics, 2014, 14, 10013-10060.	1.9	62
14	Chemistry of new particle growth in mixed urban and biogenic emissions â€“ insights from CARES. Atmospheric Chemistry and Physics, 2014, 14, 6477-6494.	1.9	52
15	Fine and Ultrafine Particles in the Vicinity of Industrial Activities: A Review. Critical Reviews in Environmental Science and Technology, 2015, 45, 2305-2356.	6.6	50
16	Size-Resolved Endotoxin and Oxidative Potential of Ambient Particles in Beijing and ZÃ¼rich. Environmental Science & Technology, 2018, 52, 6816-6824.	4.6	42
17	Biomarkers of oxidative stress and its association with the urinary reducing capacity in bus maintenance workers. Journal of Occupational Medicine and Toxicology, 2011, 6, 18.	0.9	39
18	Assessment of Particle Pollution from Jetliners: from Smoke Visibility to Nanoparticle Counting. Environmental Science & Technology, 2017, 51, 3534-3541.	4.6	32

#	Article	IF	Citations
19	Transformation of the released asbestos, carbon fibers and carbon nanotubes from composite materials and the changes of their potential health impacts. Journal of Nanobiotechnology, 2017, 15, 15.	4.2	32
20	The use of heterogeneous chemistry for the characterization of functional groups at the gas/particle interface of soot and TiO2 nanoparticles. Physical Chemistry Chemical Physics, 2009, 11, 6205.	1.3	31
21	Characterization of the Spatial and Temporal Dispersion Differences Between Exhaled E-Cigarette Mist and Cigarette Smoke. Nicotine and Tobacco Research, 2019, 21, 1371-1377.	1.4	27
22	Aerosol optical hygroscopicity measurements during the 2010 CARES campaign. Atmospheric Chemistry and Physics, 2015, 15, 4045-4061.	1.9	24
23	Scanning electron microscopy-energy dispersive X-ray spectrometry (SEM-EDX) and aerosol time-of-flight mass spectrometry (ATOFMS) single particle analysis of metallurgy plant emissions. Environmental Pollution, 2016, 210, 9-17.	3.7	24
24	Probing Functional Groups at the Gasâ€“Aerosol Interface Using Heterogeneous Titration Reactions: A Tool for Predicting Aerosol Health Effects?. ChemPhysChem, 2010, 11, 3823-3835.	1.0	23
25	Very low emissions of airborne particulate pollutants measured from two municipal solid waste incineration plants in Switzerland. Atmospheric Environment, 2017, 166, 99-109.	1.9	22
26	Investigation on the near-field evolution of industrial plumes from metalworking activities. Science of the Total Environment, 2019, 668, 443-456.	3.9	16
27	Characterization of surface functional groups present on laboratory-generated and ambient aerosol particles by means of heterogeneous titration reactions. Journal of Aerosol Science, 2009, 40, 534-548.	1.8	12
28	Evolution of Multispectral Aerosol Absorption Properties in a Biogenically-Influenced Urban Environment during the CARES Campaign. Atmosphere, 2017, 8, 217.	1.0	8
29	Characterization and source apportionment of single particles from metalworking activities. Environmental Pollution, 2021, 270, 116078.	3.7	7
30	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Aircraft Turbine Engines. Environmental Science & Technology, 2017, 51, 3621-3629.	4.6	6
31	Using spectral methods to obtain particle size information from optical data: applications to measurements from CARES 2010. Atmospheric Chemistry and Physics, 2018, 18, 5499-5514.	1.9	5
32	Secondary organic aerosol formation from untreated exhaust of gasoline four-stroke motorcycles. Urban Climate, 2021, 36, 100778.	2.4	3
33	Aerosol Total Volume Estimation From Wavelengthâ€•and Sizeâ€Resolved Scattering Coefficient Data: A New Method. Earth and Space Science, 2020, 7, e2019EA000863.	1.1	1
34	Effects of Polymer-Coated Multi-Wall Carbon Nanotubes on Mouse RAW 264.7 Macrophages.. , 2009, , .		0
35	Coating With A Polystyren Polymer Protects Against Respiratory Toxicity Of Carbon Nanotubes In Vivo In Mice. , 2010, , .		0