Joseph Ching

List of Publications by Year
in descending order

14 papers	463 citations	840776 11 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	1015 citing authors

#	Article	IF	Citations
1	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. Nature Communications, 2019, 10, 1046.	12.8	131
2	Rethinking Air Quality and Climate Change after COVID-19. International Journal of Environmental Research and Public Health, 2020, 17, 5167.	2.6	57
3	Aerosol mixing state matters for particles deposition in human respiratory system. Scientific Reports, 2018, 8, 8864.	3.3	45
4	NHM-Chem, the Japan Meteorological Agency's Regional Meteorology â€“ Chemistry Model: Model Evaluations toward the Consistent Predictions of the Chemical, Physical, and Optical Properties of Aerosols. Journal of the Meteorological Society of Japan, 2019, 97, 337-374.	1.8	37
5	Impacts of black carbon mixing state on black carbon nucleation scavenging: Insights from a particleâ€resolved model. Journal of Geophysical Research, 2012, 117, .	3.3	36
6	Metrics to quantify the importance of mixing state for CCN activity. Atmospheric Chemistry and Physics, 2017, 17, 7445-7458.	4.9	33
7	Black carbon mixing state impacts on cloud microphysical properties: Effects of aerosol plume and environmental conditions. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5990-6013.	3.3	22
8	Aerosol mixing state revealed by transmission electron microscopy pertaining to cloud formation and human airway deposition. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	22
9	A threeâ€dimensional sectional representation of aerosol mixing state for simulating optical properties and cloud condensation nuclei. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5912-5929.	3.3	21
10	Quantifying Impacts of Aerosol Mixing State on Nucleation-Scavenging of Black Carbon Aerosol Particles. Atmosphere, 2018, 9, 17.	2.3	17
11	Comparison of three aerosol representations of NHM-Chem (v1.0) for the simulations of air quality and climate-relevant variables. Geoscientific Model Development, 2021, 14, 2235-2264.	3.6	16
12	Quantifying the effects of mixing state on aerosol optical properties. Atmospheric Chemistry and Physics, 2022, 22, 9265-9282.	4.9	9
13	Inâ€cloud turbulence structure of marine stratocumulus. Geophysical Research Letters, 2010, 37, .	4.0	3
14	Resolving aerosol mixing state increases accuracy of black carbon respiratory deposition estimates. One Earth, 2020, 3, 763-776.	6.8	3