

# Steven K Krueger

## List of Publications by Year in descending order

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28  
papers

1,544  
citations

471509

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501196

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g-index

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all docs

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docs citations

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times ranked

1329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Wildfire Smoke Transport Within a Coupled Fire-Atmosphere Model Using a High-Density Observation Network for an Episodic Smoke Event Along Utah's Wasatch Front. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032712.	3.3	18
2	Incorporating a Canopy Parameterization within a Coupled Fire-Atmosphere Model to Improve a Smoke Simulation for a Prescribed Burn. <i>Atmosphere</i> , 2020, 11, 832.	2.3	15
3	Relationship Between Wintertime Leads and Low Clouds in the Pan-Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032595.	3.3	6
4	Scaling of an Atmospheric Model to Simulate Turbulence and Cloud Microphysics in the Pi Chamber. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1981-1994.	3.8	24
5	Turbulent Transport in the Gray Zone: A Large Eddy Model Intercomparison Study of the CONSTRAIN Cold Air Outbreak Case. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 597-623.	3.8	16
6	On Which Microphysical Time Scales to Use in Studies of Entrainment-Mixing Mechanisms in Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3740-3756.	3.3	23
7	Moisture Distributions in Tropical Cold Pools From Equatorial Indian Ocean Observations and Cloud-Resolving Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,445.	3.3	12
8	An Economical Model for Simulating Turbulence Enhancement of Droplet Collisions and Coalescence. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1858-1881.	3.8	4
9	Thermodynamic Constraints on the Size Distributions of Tropical Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8832-8849.	3.3	11
10	Connections matter: Updraft merging in organized tropical deep convection. <i>Geophysical Research Letters</i> , 2017, 44, 7087-7094.	4.0	16
11	Downdrafts in the near cloud environment of deep convective updrafts. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 1-8.	3.8	26
12	Effects of entrainment and mixing on droplet size distributions in warm cumulus clouds. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 281-299.	3.8	45
13	Exploring parameterization for turbulent entrainment-mixing processes in clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 185-194.	3.3	43
14	A simplified PDF parameterization of subgrid-scale clouds and turbulence for cloud-resolving models. <i>Journal of Advances in Modeling Earth Systems</i> , 2013, 5, 195-211.	3.8	92
15	Mesoanalysis of the interactions of precipitating convection and the boundary layer. <i>Journal of Advances in Modeling Earth Systems</i> , 2012, 4, .	3.8	1
16	Large-Eddy Simulation of Maritime Deep Tropical Convection. <i>Journal of Advances in Modeling Earth Systems</i> , 2009, 1, .	3.8	95
17	Cloud-Resolving Modeling of Deep Convection during KWAJEX. Part I: Comparison to TRMM Satellite and Ground-Based Radar Observations. <i>Monthly Weather Review</i> , 2008, 136, 2699-2712.	1.4	42
18	Evaluation of the NCEP Global Forecast System at the ARM SGP Site. <i>Monthly Weather Review</i> , 2006, 134, 3668-3690.	1.4	108

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19	Clustering of randomly advected low-inertia particles: A solvable model. <i>Physical Review E</i> , 2006, 73, 025302.	2.1	11
20	Cloud Properties Simulated by a Single-Column Model. Part I: Comparison to Cloud Radar Observations of Cirrus Clouds. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 1428-1445.	1.7	13
21	Two-dimensional numerical simulations of Arctic leads: Plume penetration height. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	20
22	Cirrus Cloud Properties from a Cloud-Resolving Model Simulation Compared to Cloud Radar Observations. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 510-525.	1.7	39
23	Intercomparison and evaluation of cumulus parametrizations under summertime midlatitude continental conditions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 1095-1135.	2.7	119
24	An intercomparison of cloud-resolving models with the Atmospheric Radiation Measurement summer 1997 Intensive Observation Period data. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 593-624.	2.7	192
25	Linear eddy modeling of droplet spectral evolution during entrainment and mixing in cumulus clouds. <i>Atmospheric Research</i> , 1998, 47-48, 41-58.	4.1	99
26	Modeling Entrainment and Finescale Mixing in Cumulus Clouds. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 2697-2712.	1.7	91
27	Interactions of Radiation and Convection in Simulated Tropical Cloud Clusters. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 1310-1328.	1.7	130
28	Improvements of an Ice-Phase Microphysics Parameterization for Use in Numerical Simulations of Tropical Convection. <i>Journal of Applied Meteorology and Climatology</i> , 1995, 34, 281-287.	1.7	233