Graham Feingold

List of Publications by Year
in descending order

205 papers	17,323 citations	13827 67 h-index	19136 118 g-index
267 all docs	267 docs citations	267 times ranked	8151 citing authors

#	Article	IF	Citations
1	Twoâ€Dimensional Idealized Hadley Circulation Simulation for Global High Resolution Model Development. Journal of Advances in Modeling Earth Systems, 2022, 14, e2021MS002714.	1.3	0
2	To assess marine cloud brightening's technical feasibility, we need to know what to studyâ€”and when to stop. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
3	Albedo susceptibility of northeastern Pacific stratocumulus: the role of covarying meteorological conditions. Atmospheric Chemistry and Physics, 2022, 22, 861-880.	1.9	17
4	Opportunistic experiments to constrain aerosol effective radiative forcing. Atmospheric Chemistry and Physics, 2022, 22, 641-674.	1.9	44
5	Quantifying albedo susceptibility biases in shallow clouds. Atmospheric Chemistry and Physics, 2022, 22, 3303-3319.	1.9	11
6	The future of Earth system prediction: Advances in model-data fusion. Science Advances, 2022, 8, eabn3488.	4.7	35
7	Gaussian Process Modeling of Heterogeneity and Discontinuities Using Voronoi Tessellations. Technometrics, 2021, 63, 53-63.	1.3	13
8	Aerosol-cloud-climate cooling overestimated by ship-track data. Science, 2021, 371, 485-489.	6.0	55
9	The Shortwave Spectral Radiometer for Atmospheric Science: Capabilities and Applications from the ARM User Facility. Bulletin of the American Meteorological Society, 2021, 102, E539-E554.	1.7	2
10	Observations from the NOAA P-3 aircraft during ATOMIC. Earth System Science Data, 2021, 13, 3281-3296.	3.7	14
11	Cloud Microphysical Implications for Marine Cloud Brightening: The Importance of the Seeded Particle Size Distribution. Journals of the Atmospheric Sciences, 2021, 78, 3247-3262.	0.6	17
12	EUREC⁴A. Earth System Science Data, 2021, 13, 4067-4119.	3.7	88
13	From Sugar to Flowers: A Transition of Shallow Cumulus Organization During ATOMIC. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002619.	1.3	19
14	Observational Constraints on Warm Cloud Microphysical Processes Using Machine Learning and Optimization Techniques. Geophysical Research Letters, 2021, 48, e2020GL091236.	1.5	7
15	Model evaluation and intercomparison of marine warm low cloud fractions with neural network ensembles. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002625.	1.3	1
16	Realism of Lagrangian Large Eddy Simulations Driven by Reanalysis Meteorology: Tracking a Pocket of Open Cells Under a Biomass Burning Aerosol Layer. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002664.	1.3	6
17	On the Importance of Sea Surface Temperature for Aerosolâ€Induced Brightening of Marine Clouds and Implications for Cloud Feedback in a Future Warmer Climate. Geophysical Research Letters, 2021, 48, e2021GL095896.	1.5	9
18	Bounding Global Aerosol Radiative Forcing of Climate Change. Reviews of Geophysics, 2020, 58, e2019RG000660.	9.0	424

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19	On the Relationship Between Shallow Cumulus Cloud Field Properties and Surface Solar Irradiance. Geophysical Research Letters, 2020, 47, e2020GL090152.	1.5	10
20	Estimating parameters of the nonlinear cloud and rain equation from a large-eddy simulation. Physica D: Nonlinear Phenomena, 2020, 410, 132500.	1.3	9
21	Liquid Water Path Steady States in Stratocumulus: Insights from Process-Level Emulation and Mixed-Layer Theory. Journals of the Atmospheric Sciences, 2020, 77, 2203-2215.	0.6	15
22	Quantification of the Radiative Effect of Aerosolâ€“Cloud Interactions in Shallow Continental Cumulus Clouds. Journals of the Atmospheric Sciences, 2020, 77, 2905-2920.	0.6	12
23	Scale Awareness, Resolved Circulations, and Practical Limits in the MYNNâ€“EDMF Boundary Layer and Shallow Cumulus Scheme. Monthly Weather Review, 2020, 148, 4629-4639.	0.5	4
24	Constraining the Twomey effect from satellite observations: issues and perspectives. Atmospheric Chemistry and Physics, 2020, 20, 15079-15099.	1.9	49
25	Entrainment and Mixing in Stratocumulus: Effects of a New Explicit Subgrid-Scale Scheme for Large-Eddy Simulations with Particle-Based Microphysics. Journals of the Atmospheric Sciences, 2019, 76, 1955-1973.	0.6	29
26	An emulator approach to stratocumulus susceptibility. Atmospheric Chemistry and Physics, 2019, 19, 10191-10203.	1.9	23
27	Cloud droplet growth in shallow cumulus clouds considering 1-D and 3-D thermal radiative effects. Atmospheric Chemistry and Physics, 2019, 19, 6295-6313.	1.9	14
28	Anthropogenic Air Pollution Delays Marine Stratocumulus Breakup to Open Cells. Geophysical Research Letters, 2019, 46, 14135-14144.	1.5	20
29	Aerosolâ€Cloud Interactions in Trade Wind Cumulus Clouds and the Role of Vertical Wind Shear. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12244-12261.	1.2	14
30	Inhomogeneous Mixing in Lagrangian Cloud Models: Effects on the Production of Precipitation Embryos. Journals of the Atmospheric Sciences, 2019, 76, 113-133.	0.6	33
31	Comparison of Observed and Simulated Drop Size Distributions from Large-Eddy Simulations with Bin Microphysics. Monthly Weather Review, 2019, 147, 477-493.	0.5	8
32	Surface Solar Irradiance in Continental Shallow Cumulus Fields: Observations and Large-Eddy Simulation. Journals of the Atmospheric Sciences, 2019, 77, 1065-1080.	0.6	22
33	The Radiative Forcing of Aerosolâ€“Cloud Interactions in Liquid Clouds: Wrestling and Embracing Uncertainty. Current Climate Change Reports, 2018, 4, 23-40.	2.8	70
34	Feedback mechanisms of shallow convective clouds in a warmer climate as demonstrated by changes in buoyancy. Environmental Research Letters, 2018, 13, 054033.	2.2	7
35	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. Reviews of Geophysics, 2018, 56, 409-453.	9.0	185
36	Exploring the nonlinear cloud and rain equation. Chaos, 2017, 27, 013107.	1.0	15

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37	Network approach to patterns in stratocumulus clouds. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10578-10583.	3.3	30
38	Analysis of albedo versus cloud fraction relationships in liquid water clouds using heuristic models and large eddy simulation. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7086-7102.	1.2	12
39	The observed influence of local anthropogenic pollution on northern Alaskan cloud properties. Atmospheric Chemistry and Physics, 2017, 17, 14709-14726.	1.9	24
40	Framework for improvement by vertical enhancement: A simple approach to improve representation of low and highâ€level clouds in largeâ€scale models. Journal of Advances in Modeling Earth Systems, 2017, 9, 627-646.	1.3	14
41	Mesoscale organization, entrainment, and the properties of a closedâ€cell stratocumulus cloud. Journal of Advances in Modeling Earth Systems, 2017, 9, 2214-2229.	1.3	18
42	Stratocumulus to Cumulus Transition by Drizzle. Journal of Advances in Modeling Earth Systems, 2017, 9, 2333-2349.	1.3	69
43	Improving our fundamental understanding of the role of aerosolâ^'cloud interactions in the climate system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5781-5790.	3.3	479
44	ARMâ€™s Aerosolâ€“Cloudâ€“Precipitation Research (Aerosol Indirect Effects). Meteorological Monographs, 2016, 57, 22.1-22.15.	5.0	14
45	Characterization of cumulus cloud fields using trajectories in the center of gravity versus water mass phase space: 1. Cloud tracking and phase space description. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6336-6355.	1.2	24
46	Characterization of cumulus cloud fields using trajectories in the center of gravity versus water mass phase space: 2. Aerosol effects on warm convective clouds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6356-6373.	1.2	28
47	A long-term study of aerosolâ€“cloud interactions and their radiative effect at the Southern Great Plains using ground-based measurements. Atmospheric Chemistry and Physics, 2016, 16, 11301-11318.	1.9	21
48	Wind speed response of marine non-precipitating stratocumulus clouds over a diurnal cycle in cloud-system resolving simulations. Atmospheric Chemistry and Physics, 2016, 16, 5811-5839.	1.9	15
49	Aerosols, clouds, and precipitation in the North Atlantic trades observed during the Barbados aerosol cloud experiment â€“ Part 1: Distributions and variability. Atmospheric Chemistry and Physics, 2016, 16, 8643-8666.	1.9	15
50	New approaches to quantifying aerosol influence on the cloud radiative effect. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5812-5819.	3.3	58
51	On the relationship between open cellular convective cloud patterns and the spatial distribution of precipitation. Atmospheric Chemistry and Physics, 2015, 15, 1237-1251.	1.9	38
52	On the reversibility of transitions between closed and open cellular convection. Atmospheric Chemistry and Physics, 2015, 15, 7351-7367.	1.9	51
53	Stratocumulus to cumulus transition in the presence of elevated smoke layers. Geophysical Research Letters, 2015, 42, 10,478.	1.5	45
54	The role of ice nuclei recycling in the maintenance of cloud ice in Arctic mixed-phase stratocumulus. Atmospheric Chemistry and Physics, 2015, 15, 10631-10643.	1.9	68

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55	Parameterization of the Spatial Variability of Rain for Large-Scale Models and Remote Sensing. Journal of Applied Meteorology and Climatology, 2015, 54, 2027-2046.	0.6	7
56	Joint retrievals of cloud and drizzle in marine boundary layer clouds using ground-based radar, lidar and zenith radiances. Atmospheric Measurement Techniques, 2015, 8, 2663-2683.	1.2	35
57	A novel ensemble method for retrieving properties of warm cloud in 3-D using ground-based scanning radar and zenith radiances. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,912-10,930.	1.2	27
58	Oceanâ€“Cloudâ€“Atmosphereâ€“Land Interactions in the Southeastern Pacific: The VOCALS Program. Bulletin of the American Meteorological Society, 2014, 95, 357-375.	1.7	76
59	Detection limits of albedo changes induced by climate engineering. Nature Climate Change, 2014, 4, 93-98.	8.1	14
60	Effect of gradients in biomass burning aerosol on shallow cumulus convective circulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9948-9964.	1.2	13
61	On the relationship between responses in cloud water and precipitation to changes in aerosol. Atmospheric Chemistry and Physics, 2014, 14, 11817-11831.	1.9	36
62	On the link between Amazonian forest properties and shallow cumulus cloud fields. Atmospheric Chemistry and Physics, 2014, 14, 6063-6074.	1.9	17
63	On the interaction between marine boundary layer cellular cloudiness and surface heat fluxes. Atmospheric Chemistry and Physics, 2014, 14, 61-79.	1.9	24
64	On clocks and clouds. Atmospheric Chemistry and Physics, 2014, 14, 6729-6738.	1.9	10
65	Climate Processes: Clouds, Aerosols and Dynamics. , 2013, , 73-103.		15
66	Evaluation of Modeled Stratocumulus-Capped Boundary Layer Turbulence with Shipborne Data. Journals of the Atmospheric Sciences, 2013, 70, 3895-3919.	0.6	13
67	Sensitivities of immersion freezing: Reconciling classical nucleation theory and deterministic expressions. Geophysical Research Letters, 2013, 40, 3320-3324.	1.5	31
68	3D cloud reconstructions: Evaluation of scanning radar scan strategy with a view to surface shortwave radiation closure. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9153-9167.	1.2	14
69	A satellite perspective on cloud water to rain water conversion rates and relationships with environmental conditions. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6643-6650.	1.2	19
70	How resilient are cloud systems to aerosol perturbations?. , 2013, , .		0
71	Sensitivities of immersion freezing: Transition from classical nucleation theory to deterministic expressions. , 2013, , .		0
72	Reply to 'Water vapour affects both rain and aerosol optical depth'. Nature Geoscience, 2013, 6, 5-5.	5.4	7

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73	A comparative study of the response of modeled non-drizzling stratocumulus to meteorological and aerosol perturbations. Atmospheric Chemistry and Physics, 2013, 13, 2507-2529.	1.9	9
74	Aerosol effects on the cloud-field properties of tropical convective clouds. Atmospheric Chemistry and Physics, 2013, 13, 6713-6726.	1.9	26
75	Adaptive behavior of marine cellular clouds. Scientific Reports, 2013, 3, 2507.	1.6	18
76	On the size distribution of cloud holes in stratocumulus and their relationship to cloudâ€top entrainment. Geophysical Research Letters, 2013, 40, 2450-2454.	1.5	12
77	On the relationship between cloud contact time and precipitation susceptibility to aerosol. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,544.	1.2	50
78	A model of coupled oscillators applied to the aerosolâ€“cloudâ€“precipitation system. Nonlinear Processes in Geophysics, 2013, 20, 1011-1021.	0.6	23
79	Racoro Extended-Term Aircraft Observations of Boundary Layer Clouds. Bulletin of the American Meteorological Society, 2012, 93, 861-878.	1.7	81
80	Effect of Aerosol on Cloudâ€“Environment Interactions in Trade Cumulus. Journals of the Atmospheric Sciences, 2012, 69, 3607-3632.	0.6	48
81	Vertical transport of pollutants by shallow cumuli from large eddy simulations. Atmospheric Chemistry and Physics, 2012, 12, 11319-11327.	1.9	12
82	The scale problem in quantifying aerosol indirect effects. Atmospheric Chemistry and Physics, 2012, 12, 1031-1049.	1.9	137
83	On the representation of immersion and condensation freezing in cloud models using different nucleation schemes. Atmospheric Chemistry and Physics, 2012, 12, 5807-5826.	1.9	50
84	Aerosol-induced intensification of rain from the tropics to the mid-latitudes. Nature Geoscience, 2012, 5, 118-122.	5.4	202
85	Effects of cloud horizontal inhomogeneity and drizzle on remote sensing of cloud droplet effective radius: Case studies based on largeâ€eddy simulations. Journal of Geophysical Research, 2012, 117, .	3.3	139
86	Aerosol and gas reâ€distribution by shallow cumulus clouds: An investigation using airborne measurements. Journal of Geophysical Research, 2012, 117, .	3.3	58
87	Technical note: Largeâ€eddy simulation of cloudy boundary layer with the Advanced Research WRF model. Journal of Advances in Modeling Earth Systems, 2012, 4, .	1.3	52
88	Resilience of persistent Arctic mixed-phase clouds. Nature Geoscience, 2012, 5, 11-17.	5.4	498
89	The impact of microphysical parameters, ice nucleation mode, and habit growth on the ice/liquid partitioning in mixed-phase Arctic clouds. Journal of Geophysical Research, 2011, 116, .	3.3	27
90	Vertical profiles of droplet effective radius in shallow convective clouds. Atmospheric Chemistry and Physics, 2011, 11, 4633-4644.	1.9	16

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91	Investigating potential biases in observed and modeled metrics of aerosol-cloud-precipitation interactions. Atmospheric Chemistry and Physics, 2011, 11, 4027-4037.	1.9	41
92	Manipulating marine stratocumulus cloud amount and albedo: a process-modelling study of aerosol-cloud-precipitation interactions in response to injection of cloud condensation nuclei. Atmospheric Chemistry and Physics, 2011, 11, 4237-4249.	1.9	85
93	Modeling chemical and aerosol processes in the transition from closed to open cells during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 7491-7514.	1.9	80
94	Cloud condensation nuclei as a modulator of ice processes in Arctic mixed-phase clouds. Atmospheric Chemistry and Physics, 2011, 11, 8003-8015.	1.9	84
95	Observations of the boundary layer, cloud, and aerosol variability in the southeast Pacific near-coastal marine stratocumulus during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 9943-9959.	1.9	56
96	Aerosolâ€“cloudâ€“precipitation system as a predator-prey problem. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12227-12232.	3.3	93
97	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. Atmospheric Chemistry and Physics, 2010, 10, 4795-4807.	1.9	124
98	Modelling microphysical and meteorological controls on precipitation and cloud cellular structures in Southeast Pacific stratocumulus. Atmospheric Chemistry and Physics, 2010, 10, 6347-6362.	1.9	91
99	The invigoration of deep convective clouds over the Atlantic: aerosol effect, meteorology or retrieval artifact?. Atmospheric Chemistry and Physics, 2010, 10, 8855-8872.	1.9	190
100	Precipitation-generated oscillations in open cellular cloud fields. Nature, 2010, 466, 849-852.	13.7	163
101	Effect of Aerosol on the Susceptibility and Efficiency of Precipitation in Warm Trade Cumulus Clouds. Journals of the Atmospheric Sciences, 2010, 67, 3525-3540.	0.6	73
102	Deconstructing the precipitation susceptibility construct: Improving methodology for aerosolâ€cloud precipitation studies. Journal of Geophysical Research, 2010, 115, .	3.3	42
103	Precipitating cloudâ€system response to aerosol perturbations. Geophysical Research Letters, 2010, 37, .	1.5	44
104	Evaluation of Scalar Advection Schemes in the Advanced Research WRF Model Using Large-Eddy Simulations of Aerosolâ€“Cloud Interactions. Monthly Weather Review, 2009, 137, 2547-2558.	0.5	100
105	The Influence of Entrainment and Mixing Assumption on Aerosolâ€“Cloud Interactions in Marine Stratocumulus. Journals of the Atmospheric Sciences, 2009, 66, 1450-1464.	0.6	116
106	Modeling Mesoscale Cellular Structures and Drizzle in Marine Stratocumulus. Part I: Impact of Drizzle on the Formation and Evolution of Open Cells. Journals of the Atmospheric Sciences, 2009, 66, 3237-3256.	0.6	206
107	Modeling Mesoscale Cellular Structures and Drizzle in Marine Stratocumulus. Part II: The Microphysics and Dynamics of the Boundary Region between Open and Closed Cells. Journals of the Atmospheric Sciences, 2009, 66, 3257-3275.	0.6	129
108	Untangling aerosol effects on clouds and precipitation in a buffered system. Nature, 2009, 461, 607-613.	13.7	1,005

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109	Aerosol effects on the interâ€cloud region of a small cumulus cloud field. Geophysical Research Letters, 2009, 36, .	1.5	54
110	Can aerosol decrease cloud lifetime?. Geophysical Research Letters, 2009, 36, .	1.5	153
111	On the precipitation susceptibility of clouds to aerosol perturbations. Geophysical Research Letters, 2009, 36, .	1.5	118
112	Effect of aerosol on trade cumulus cloud morphology. Journal of Geophysical Research, 2009, 114, .	3.3	55
113	Overview of the Second Texas Air Quality Study (TexAQS II) and the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2009, 114, .	3.3	162
114	Marine stratocumulus aerosolâ€cloud relationships in the MASEâ€II experiment: Precipitation susceptibility in eastern Pacific marine stratocumulus. Journal of Geophysical Research, 2009, 114, .	3.3	65
115	An assessment of aerosolâ€cloud interactions in marine stratus clouds based on surface remote sensing. Journal of Geophysical Research, 2009, 114, .	3.3	148
116	Cloud condensation nuclei activity, closure, and droplet growth kinetics of Houston aerosol during the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2009, 114, .	3.3	85
117	On the link between ocean biota emissions, aerosol, and maritime clouds: Airborne, ground, and satellite measurements off the coast of California. Global Biogeochemical Cycles, 2009, 23, .	1.9	113
118	Irradiance in polluted cumulus fields: Measured and modeled cloudâ€aerosol effects. Geophysical Research Letters, 2009, 36, .	1.5	24
119	Aerosol indirect effects â€“ general circulation model intercomparison and evaluation with satellite data. Atmospheric Chemistry and Physics, 2009, 9, 8697-8717.	1.9	418
120	Cloud's Center of Gravity â€“ a compact approach to analyze convective cloud development. Atmospheric Chemistry and Physics, 2009, 9, 155-161.	1.9	30
121	Effect of biomass burning on marine stratocumulus clouds off the California coast. Atmospheric Chemistry and Physics, 2009, 9, 8841-8856.	1.9	96
122	Effects of Pollution Aerosol and Biomass Burning on Clouds and Precipitation: Numerical Modeling Studies. , 2009, , 243-276.		3
123	Cloudâ€“Aerosol Interactions from the Micro to the Cloud Scale. , 2009, , 319-338.		47
124	Secondary organic aerosol yields from cloudâ€processing of isoprene oxidation products. Geophysical Research Letters, 2008, 35, .	1.5	238
125	Quantifying error in the radiative forcing of the first aerosol indirect effect. Geophysical Research Letters, 2008, 35, .	1.5	81
126	Statistical comparison of properties of simulated and observed cumulus clouds in the vicinity of Houston during the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2008, 113, .	3.3	31

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127	Aerosolâ€cloud relationships in continental shallow cumulus. Journal of Geophysical Research, 2008, 113, .	3.3	72
128	Aerosol Effects on Clouds, Precipitation, and the Organization of Shallow Cumulus Convection. Journals of the Atmospheric Sciences, 2008, 65, 392-406.	0.6	238
129	Shortwave Radiative Impacts from Aerosol Effects on Marine Shallow Cumuli. Journals of the Atmospheric Sciences, 2008, 65, 1979-1990.	0.6	24
130	The influence of chemical composition and mixing state of Los Angeles urban aerosol on CCN number and cloud properties. Atmospheric Chemistry and Physics, 2008, 8, 5649-5667.	1.9	171
131	Aerosols' influence on the interplay between condensation, evaporation and rain in warm cumulus cloud. Atmospheric Chemistry and Physics, 2008, 8, 15-24.	1.9	62
132	How small is a small cloud?. Atmospheric Chemistry and Physics, 2008, 8, 3855-3864.	1.9	113
133	On the Source of Organic Acid Aerosol Layers above Clouds. Environmental Science & Technology, 2007, 41, 4647-4654.	4.6	182
134	Prediction of cloud condensation nucleus number concentration using measurements of aerosol size distributions and composition and light scattering enhancement due to humidity. Journal of Geophysical Research, 2007, 112, .	3.3	119
135	Particulate organic acids and overall waterâ€soluble aerosol composition measurements from the 2006 Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). Journal of Geophysical Research, 2007, 112, .	3.3	121
136	Comparison between lidar and nephelometer measurements of aerosol hygroscopicity at the Southern Great Plains Atmospheric Radiation Measurement site. Journal of Geophysical Research, 2006, 111, .	3.3	45
137	Aerosol indirect effect studies at Southern Great Plains during the May 2003 Intensive Operations Period. Journal of Geophysical Research, 2006, 111, .	3.3	64
138	Effect of aerosol on warm convective clouds: Aerosol-cloud-surface flux feedbacks in a new coupled large eddy model. Journal of Geophysical Research, 2006, 111, .	3.3	122
139	Expected impact of an aged biomass burning aerosol on cloud condensation nuclei and cloud droplet concentrations. Journal of Geophysical Research, 2006, 111, .	3.3	26
140	Oxalic acid in clear and cloudy atmospheres: Analysis of data from International Consortium for Atmospheric Research on Transport and Transformation 2004. Journal of Geophysical Research, 2006, 111, .	3.3	187
141	Preface to special section: Atmospheric Radiation Measurement Program May 2003 Intensive Operations Period examining aerosol properties and radiative influences. Journal of Geophysical Research, 2006, 111, .	3.3	23
142	Aerosol effects on the lifetime of shallow cumulus. Geophysical Research Letters, 2006, 33, .	1.5	167
143	Measurement and interpretation of cloud effects on the concentrations of hydrogen peroxide and organoperoxides over Ontario, Canada. Atmospheric Research, 2006, 81, 140-149.	1.8	5
144	Retrieval of aerosol properties from combined multiwavelength lidar and sunphotometer measurements. Applied Optics, 2006, 45, 7429.	2.1	25

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145	The effect of physical and chemical aerosol properties on warm cloud droplet activation. Atmospheric Chemistry and Physics, 2006, 6, 2593-2649.	1.9	690
146	A review of measurement-based assessments of the aerosol direct radiative effect and forcing. Atmospheric Chemistry and Physics, 2006, 6, 613-666.	1.9	745
147	Water activity and activation diameters from hygroscopicity data - Part II: Application to organic species. Atmospheric Chemistry and Physics, 2006, 6, 795-809.	1.9	111
148	Large-Eddy Simulations of Trade Wind Cumuli: Investigation of Aerosol Indirect Effects. Journals of the Atmospheric Sciences, 2006, 63, 1605-1622.	0.6	261
149	Vertical transport and processing of aerosols in a mixed-phase convective cloud and the feedback on cloud development. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 221-245.	1.0	88
150	On smoke suppression of clouds in Amazonia. Geophysical Research Letters, 2005, 32, .	1.5	204
151	Influence of water-soluble organic carbon on cloud drop number concentration. Journal of Geophysical Research, 2005, 110, .	3.3	126
152	A modeling study of aqueous production of dicarboxylic acids: 1. Chemical pathways and speciated organic mass production. Journal of Geophysical Research, 2004, 109, .	3.3	284
153	A modeling study of aqueous production of dicarboxylic acids: 2. Implications for cloud microphysics. Journal of Geophysical Research, 2004, 109, .	3.3	47
154	A modeling study of the effect of nitric acid on cloud properties. Journal of Geophysical Research, 2004, 109, .	3.3	31
155	On the Drop-Size Dependence of Organic Acid and Formaldehyde Concentrations in Fog. Journal of Atmospheric Chemistry, 2003, 46, 239-269.	1.4	40
156	Turbulence, Condensation, and Liquid Water Transport in Numerically Simulated Nonprecipitating Stratocumulus Clouds. Journals of the Atmospheric Sciences, 2003, 60, 262-278.	0.6	93
157	First measurements of the Twomey indirect effect using ground-based remote sensors. Geophysical Research Letters, 2003, 30, .	1.5	275
158	Modification of aerosol mass and size distribution due to aqueous-phase SO2oxidation in clouds: Comparisons of several models. Journal of Geophysical Research, 2003, 108, .	3.3	120
159	Aerosol hygroscopic properties as measured by lidar and comparison with in situ measurements. Journal of Geophysical Research, 2003, 108, .	3.3	61
160	Analysis of two independent methods for retrieving liquid water profiles in spring and summer Arctic boundary clouds. Journal of Geophysical Research, 2003, 108, .	3.3	5
161	Explanation of discrepancies among satellite observations of the aerosol indirect effects. Geophysical Research Letters, 2003, 30, .	1.5	42
162	Modeling of the first indirect effect: Analysis of measurement requirements. Geophysical Research Letters, 2003, 30, .	1.5	155

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163	Analysis of the Influence of Film-Forming Compounds on Droplet Growth: Implications for Cloud Microphysical Processes and Climate. Journals of the Atmospheric Sciences, 2002, 59, 2006-2018.	0.6	154
164	The Retrieval of Stratus Cloud Droplet Effective Radius with Cloud Radars. Journal of Atmospheric and Oceanic Technology, 2002, 19, 835-842.	0.5	51
165	Simulations of aerosol-cloud-dynamical feedbacks resulting from entrainment of aerosol into the marine boundary layer during the Atlantic Stratocumulus Transition Experiment. Journal of Geophysical Research, 2002, 107, AAC 20-1.	3.3	82
166	Cloud processing of aerosol as modeled by a large eddy simulation with coupled microphysics and aqueous chemistry. Journal of Geophysical Research, 2002, 107, AAC 6-1-AAC 6-15.	3.3	71
167	Role of NO3in sulfate production in the wintertime northern latitudes. Journal of Geophysical Research, 2002, 107, AAC 5-1.	3.3	22
168	Modeling cloud effects on hydrogen peroxide and methylhydroperoxide in the marine atmosphere. Journal of Geophysical Research, 2002, 107, AAC 7-1.	3.3	15
169	Analysis of smoke impact on clouds in Brazilian biomass burning regions: An extension of Twomey's approach. Journal of Geophysical Research, 2001, 106, 22907-22922.	3.3	197
170	Large-eddy simulations of entrainment of cloud condensation nuclei into the Arctic boundary layer: May 18, 1998, FIRE/SHEBA case study. Journal of Geophysical Research, 2001, 106, 15113-15122.	3.3	33
171	POSSIBLE EFFECTS OF SURFACTANTS ON DROPLET GROWTH: IMPLICATIONS FOR CLOUD MICROPHYSICAL PROCESSES AND CLIMATE. Journal of Aerosol Science, 2001, 32, 923-924.	1.8	1
172	Radiative Impacts on the Growth of a Population of Drops within Simulated Summertime Arctic Stratus. Journals of the Atmospheric Sciences, 2000, 57, 766-785.	0.6	81
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