Wojceich W Grabowski

List of Publications by Year
in descending order

138 papers	8,127 citations	47 h-index (47006)	84 g-index (54911)
140 all docs	140 docs citations	140 times ranked	3474 citing authors

#	Article	IF	Citations
1	Supersaturation Variability from Scalar Mixing: Evaluation of a New Subgrid-Scale Model Using Direct Numerical Simulations of Turbulent Rayleighâ€“BÃ©nard Convection. Journals of the Atmospheric Sciences, 2022, 79, 1191-1210.	1.7	2
2	Impact of Cloud-Base Turbulence on CCN Activation: Single-Size CCN. Journals of the Atmospheric Sciences, 2022, 79, 551-566.	1.7	7
3	Progress and Challenges in Modeling Dynamicsâ€“Microphysics Interactions: From the Pi Chamber to Monsoon Convection. Bulletin of the American Meteorological Society, 2022, 103, E1413-E1420.	3.3	5
4	The FastEddy^{Â®} Residentâ€GPU Accelerated Largeâ€Eddy Simulation Framework: Moist Dynamics Extension, Validation and Sensitivities of Modeling Nonâ€Precipitating Shallow Cumulus Clouds. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	3
5	Reply to â€œComments on â€˜Do Ultrafine Cloud Condensation Nuclei Invigorate Deep Convection?â€™â€. Journals of the Atmospheric Sciences, 2021, 78, 341-350.	1.7	7
6	Cloud droplet diffusional growth in homogeneous isotropic turbulence: bin microphysics versus Lagrangian super-droplet simulations. Atmospheric Chemistry and Physics, 2021, 21, 4059-4077.	4.9	5
7	WRF Grayâ€Zone Simulations of Precipitation Over the Middleâ€East and the UAE: Impacts of Physical Parameterizations and Resolution. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034648.	3.3	23
8	Supersaturation, buoyancy, and deep convection dynamics. Atmospheric Chemistry and Physics, 2021, 21, 13997-14018.	4.9	7
9	Impact of hygroscopic seeding on the initiation of precipitation formation: results of a hybrid bin microphysics parcel model. Atmospheric Chemistry and Physics, 2021, 21, 16143-16159.	4.9	4
10	Confronting the Challenge of Modeling Cloud and Precipitation Microphysics. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001689.	3.8	154
11	The Strong Impact of Weak Horizontal Convergence on Continental Shallow Convection. Journals of the Atmospheric Sciences, 2020, 77, 3119-3137.	1.7	5
12	Do Ultrafine Cloud Condensation Nuclei Invigorate Deep Convection?. Journals of the Atmospheric Sciences, 2020, 77, 2567-2583.	1.7	28
13	Comparison of Eulerian Bin and Lagrangian Particle-Based Microphysics in Simulations of Nonprecipitating Cumulus. Journals of the Atmospheric Sciences, 2020, 77, 3951-3970.	1.7	16
14	Diffusional growth of cloud droplets in homogeneous isotropic turbulence: DNS, scaled-up DNS, and stochastic model. Atmospheric Chemistry and Physics, 2020, 20, 9087-9100.	4.9	16
15	Is Shallow Convection Sensitive to Environmental Heterogeneities?. Geophysical Research Letters, 2019, 46, 1785-1793.	4.0	13
16	Separating Dynamic and Thermodynamic Impacts of Climate Change on Daytime Convective Development over Land. Journal of Climate, 2019, 32, 5213-5234.	3.2	9
17	Modeling of Cloud Microphysics: Can We Do Better?. Bulletin of the American Meteorological Society, 2019, 100, 655-672.	3.3	98
18	Comparison of Eulerian Bin and Lagrangian Particle-Based Schemes in Simulations of Pi Chamber Dynamics and Microphysics. Journals of the Atmospheric Sciences, 2019, 77, 1151-1165.	1.7	16

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19	Anisotropy of Observed and Simulated Turbulence in Marine Stratocumulus. Journal of Advances in Modeling Earth Systems, 2018, 10, 500-515.	3.8	11
20	Shallow-to-Deep Transition of Continental Moist Convection: Cold Pools, Surface Fluxes, and Mesoscale Organization. Journals of the Atmospheric Sciences, 2018, 75, 4071-4090.	1.7	35
21	Influences of Subsidence and Freeâ€Tropospheric Conditions on the Nocturnal Growth of Nonclassical Marine Stratocumulus. Journal of Advances in Modeling Earth Systems, 2018, 10, 2706-2730.	3.8	4
22	Broadening of Cloud Droplet Spectra through Eddy Hopping: Turbulent Entraining Parcel Simulations. Journals of the Atmospheric Sciences, 2018, 75, 3365-3379.	1.7	49
23	Lagrangian condensation microphysics with Twomey CCN activation. Geoscientific Model Development, 2018, 11, 103-120.	3.6	35
24	Convective environment in pre-monsoon and monsoon conditions over the Indian subcontinent: the impact of surface forcing. Atmospheric Chemistry and Physics, 2018, 18, 7473-7488.	4.9	19
25	Can the Impact of Aerosols on Deep Convection be Isolated from Meteorological Effects in Atmospheric Observations?. Journals of the Atmospheric Sciences, 2018, 75, 3347-3363.	1.7	24
26	Modeling Condensation in Deep Convection. Journals of the Atmospheric Sciences, 2017, 74, 2247-2267.	1.7	36
27	Cloudâ€edge mixing: Direct numerical simulation and observations in <scp>I</scp>ndian <scp>M</scp>onsoon clouds. Journal of Advances in Modeling Earth Systems, 2017, 9, 332-353.	3.8	34
28	A finite-volume module for cloud-resolving simulations of global atmospheric flows. Journal of Computational Physics, 2017, 341, 208-229.	3.8	18
29	Broadening of Cloud Droplet Spectra through Eddy Hopping: Turbulent Adiabatic Parcel Simulations. Journals of the Atmospheric Sciences, 2017, 74, 1485-1493.	1.7	73
30	Idealized Simulations of a Squall Line from the MC3E Field Campaign Applying Three Bin Microphysics Schemes: Dynamic and Thermodynamic Structure. Monthly Weather Review, 2017, 145, 4789-4812.	1.4	55
31	Untangling Microphysical Impacts on Deep Convection Applying a Novel Modeling Methodology. Part II: Double-Moment Microphysics. Journals of the Atmospheric Sciences, 2016, 73, 3749-3770.	1.7	55
32	Observations of monsoon convective cloud microphysics over India and role of entrainmentâ€mixing. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9767-9788.	3.3	36
33	The diurnal cycle of rainfall over New Guinea in convection-permitting WRF simulations. Atmospheric Chemistry and Physics, 2016, 16, 161-175.	4.9	90
34	Resolution and domainâ€size sensitivity in implicit largeâ€eddy simulation of the stratocumulusâ€topped boundary layer. Journal of Advances in Modeling Earth Systems, 2016, 8, 885-903.	3.8	24
35	Multiscale Interactions in an Idealized Walker Cell: Analysis with Isentropic Streamfunctions. Journals of the Atmospheric Sciences, 2016, 73, 1187-1203.	1.7	5
36	Macroscopic impacts of cloud and precipitation processes on maritime shallow convection as simulated by a large eddy simulation model with bin microphysics. Atmospheric Chemistry and Physics, 2015, 15, 913-926.	4.9	14

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37	libcloudph++ 1.0: a single-moment bulk, double-moment bulk, and particle-based warm-rain microphysics library in C++. Geoscientific Model Development, 2015, 8, 1677-1707.	3.6	33
38	Multiscale Interactions in an Idealized Walker Cell: Simulations with Sparse Spaceâ€“Time Superparameterization. Monthly Weather Review, 2015, 143, 563-580.	1.4	13
39	Untangling Microphysical Impacts on Deep Convection Applying a Novel Modeling Methodology. Journals of the Atmospheric Sciences, 2015, 72, 2446-2464.	1.7	59
40	Modeling Condensation in Shallow Nonprecipitating Convection. Journals of the Atmospheric Sciences, 2015, 72, 4661-4679.	1.7	32
41	Anelastic and Compressible Simulation of Moist Dynamics at Planetary Scales. Journals of the Atmospheric Sciences, 2015, 72, 3975-3995.	1.7	24
42	Extracting Microphysical Impacts in Large-Eddy Simulations of Shallow Convection. Journals of the Atmospheric Sciences, 2014, 71, 4493-4499.	1.7	47
43	Multiscale Interactions in an Idealized Walker Circulation: Mean Circulation and Intraseasonal Variability. Journals of the Atmospheric Sciences, 2014, 71, 953-971.	1.7	17
44	Anelastic and Compressible Simulation of Moist Deep Convection. Journals of the Atmospheric Sciences, 2014, 71, 3767-3787.	1.7	42
45	Response of Tropical Deep Convection to Localized Heating Perturbations: Implications for Aerosol-Induced Convective Invigoration. Journals of the Atmospheric Sciences, 2013, 70, 3533-3555.	1.7	24
46	Toward Multiscale Simulation of Moist Flows with Soundproof Equations. Journals of the Atmospheric Sciences, 2013, 70, 3995-4011.	1.7	17
47	Homogeneity of the Subgrid-Scale Turbulent Mixing in Large-Eddy Simulation of Shallow Convection. Journals of the Atmospheric Sciences, 2013, 70, 2751-2767.	1.7	35
48	Growth of Cloud Droplets in a Turbulent Environment. Annual Review of Fluid Mechanics, 2013, 45, 293-324.	25.0	333
49	Turbulent collision-coalescence in maritime shallow convection. Atmospheric Chemistry and Physics, 2013, 13, 8471-8487.	4.9	36
50	Modeling microphysical effects of entrainment in clouds observed during EUCAARI-IMPACT field campaign. Atmospheric Chemistry and Physics, 2013, 13, 8489-8503.	4.9	4
51	Reexamination of the State of the Art of Cloud Modeling Shows Real Improvements. Bulletin of the American Meteorological Society, 2013, 94, ES45-ES48.	3.3	17
52	Influence of the Subcloud Layer on the Development of a Deep Convective Ensemble. Journals of the Atmospheric Sciences, 2012, 69, 2682-2698.	1.7	127
53	Droplet Activation and Mixing in Large-Eddy Simulation of a Shallow Cumulus Field. Journals of the Atmospheric Sciences, 2012, 69, 444-462.	1.7	50
54	Limited-are a modelling of stratocumulus over South-Eastern Pacific. Atmospheric Chemistry and Physics, 2012, 12, 3511-3526.	4.9	8

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55	Droplet growth in warm turbulent clouds. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1401-1429.	2.7	204
56	Droplet growth in a bin warm-rain scheme with Twomey CCN activation. Atmospheric Research, 2011, 99, 290-301.	4.1	37
57	Observations and kinematic modeling of drizzling marine stratocumulus. Atmospheric Research, 2011, 102, 120-135.	4.1	6
58	Cloud-system resolving model simulations of aerosol indirect effects on tropical deep convection and its thermodynamic environment. Atmospheric Chemistry and Physics, 2011, 11, 10503-10523.	4.9	74
59	Macroscopic impacts of cloud and precipitation processes in shallow convection. Acta Geophysica, 2011, 59, 1184-1204.	2.0	5
60	Activation of cloud droplets in bin-microphysics simulation of shallow convection. Acta Geophysica, 2011, 59, 1168-1183.	2.0	13
61	Indirect Impact of Atmospheric Aerosols in Idealized Simulations of Convectiveâ€"Radiative Quasi Equilibrium. Part II: Double-Moment Microphysics. Journal of Climate, 2011, 24, 1897-1912.	3.2	32
62	A Hybrid Bulkâ€"Bin Approach to Model Warm-Rain Processes. Journals of the Atmospheric Sciences, 2010, 67, 385-399.	1.7	15
63	An Improved Representation of Rimed Snow and Conversion to Graupel in a Multicomponent Bin Microphysics Scheme. Journals of the Atmospheric Sciences, 2010, 67, 1337-1360.	1.7	29
64	Cloudâ€aerosol interactions for boundary layer stratocumulus in the Lagrangian Cloud Model. Journal of Geophysical Research, 2010, 115, .	3.3	65
65	New Efficient Sparse Spaceâ€"Time Algorithms for Superparameterization on Mesoscales. Monthly Weather Review, 2009, 137, 4307-4324.	1.4	33
66	Modeling of Subgrid-Scale Mixing in Large-Eddy Simulation of Shallow Convection. Journals of the Atmospheric Sciences, 2009, 66, 2125-2133.	1.7	25
67	Numerical Simulation of Cloudâ€"Clear Air Interfacial Mixing: Homogeneous versus Inhomogeneous Mixing. Journals of the Atmospheric Sciences, 2009, 66, 2493-2500.	1.7	72
68	The role of air turbulence in warm rain initiation. Atmospheric Science Letters, 2009, 10, 1-8.	1.9	54
69	A numerical investigation of entrainment and transport within a stratocumulusâ€topped boundary layer. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 77-92.	2.7	38
70	The impact of atmospheric aerosols on precipitation from deep organized convection: A prescribedâ€flow model study using doubleâ€moment bulk microphysics. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1906-1913.	2.7	13
71	Diffusional and accretional growth of water drops in a rising adiabatic parcel: effects of the turbulent collision kernel. Atmospheric Chemistry and Physics, 2009, 9, 2335-2353.	4.9	44
72	Modeling Supersaturation and Subgrid-Scale Mixing with Two-Moment Bulk Warm Microphysics. Journals of the Atmospheric Sciences, 2008, 65, 792-812.	1.7	159

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73	Optical Properties of Shallow Convective Clouds Diagnosed from a Bulk-Microphysics Large-Eddy Simulation. Journal of Climate, 2008, 21, 1639-1647.	3.2	21
74	Growth of Cloud Droplets by Turbulent Collisionâ€"Coalescence. Journals of the Atmospheric Sciences, 2008, 65, 331-356.	1.7	78
75	A Novel Approach for Representing Ice Microphysics in Models: Description and Tests Using a Kinematic Framework. Journals of the Atmospheric Sciences, 2008, 65, 1528-1548.	1.7	139
76	Laboratory and modeling studies of cloudâ€"clear air interfacial mixing: anisotropy of small-scale turbulence due to evaporative cooling. New Journal of Physics, 2008, 10, 075020.	2.9	23
77	Toward the Mitigation of Spurious Cloud-Edge Supersaturation in Cloud Models. Monthly Weather Review, 2008, 136, 1224-1234.	1.4	40
78	Comparison of Bulk and Bin Warm-Rain Microphysics Models Using a Kinematic Framework. Journals of the Atmospheric Sciences, 2007, 64, 2839-2861.	1.7	174
79	Representation of Turbulent Mixing and Buoyancy Reversal in Bulk Cloud Models. Journals of the Atmospheric Sciences, 2007, 64, 3666-3680.	1.7	45
80	Characteristics of large-scale orographic precipitation: Evaluation of linear model in idealized problems. Journal of Hydrology, 2007, 340, 78-90.	5.4	22
81	A hybrid approach for simulating turbulent collisions of hydrodynamically-interacting particles. Journal of Computational Physics, 2007, 225, 51-73.	3.8	59
82	A bin integral method for solving the kinetic collection equation. Journal of Computational Physics, 2007, 226, 59-88.	3.8	21
83	Effects of stochastic coalescence and air turbulence on the size distribution of cloud droplets. Atmospheric Research, 2006, 82, 416-432.	4.1	40
84	Comments on â€œDroplets to Drops by Turbulent Coagulationâ€. Journals of the Atmospheric Sciences, 2006, 63, 2397-2401.	1.7	28
85	Comments on â€œPreliminary Tests of Multiscale Modeling with a Two-Dimensional Framework: Sensitivity to Coupling Methodsâ€. Monthly Weather Review, 2006, 134, 2021-2026.	1.4	14
86	Indirect Impact of Atmospheric Aerosols in Idealized Simulations of Convectiveâ€"Radiative Quasi Equilibrium. Journal of Climate, 2006, 19, 4664-4682.	3.2	96
87	Probability Distributions of Angle of Approach and Relative Velocity for Colliding Droplets in a Turbulent Flow. Journals of the Atmospheric Sciences, 2006, 63, 881-900.	1.7	18
88	Numerical Simulation of Cloudâ€"Clear Air Interfacial Mixing: Effects on Cloud Microphysics. Journals of the Atmospheric Sciences, 2006, 63, 3204-3225.	1.7	65
89	Impact of Explicit Atmosphereâ€"Ocean Coupling on MJO-Like Coherent Structures in Idealized Aquaplanet Simulations. Journals of the Atmospheric Sciences, 2006, 63, 2289-2306.	1.7	38
90	Sixth WMO International Cloud Modeling Workshop. Bulletin of the American Meteorological Society, 2006, 87, 639-642.	3.3	7

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91	Improved Formulations of the Superposition Method. Journals of the Atmospheric Sciences, 2005, 62, 1255-1266.	1.7	34
92	Theoretical Formulation of Collision Rate and Collision Efficiency of Hydrodynamically Interacting Cloud Droplets in Turbulent Atmosphere. Journals of the Atmospheric Sciences, 2005, 62, 2433-2450.	1.7	103
93	Explicit Convection over the Western Pacific Warm Pool in the Community Atmospheric Model. Journal of Climate, 2005, 18, 1482-1502.	3.2	8
94	An Improved Framework for Superparameterization. Journals of the Atmospheric Sciences, 2004, 61, 1940-1952.	1.7	93
95	Numerical Simulation of Cloudâ€“Clear Air Interfacial Mixing. Journals of the Atmospheric Sciences, 2004, 61, 1726-1739.	1.7	68
96	Breaking the Cloud Parameterization Deadlock. Bulletin of the American Meteorological Society, 2003, 84, 1547-1564.	3.3	622
97	Impact of Cloud Microphysics on Convectiveâ€“Radiative Quasi Equilibrium Revealed by Cloud-Resolving Convection Parameterization. Journal of Climate, 2003, 16, 3463-3475.	3.2	44
98	MJO-like Coherent Structures: Sensitivity Simulations Using the Cloud-Resolving Convection Parameterization (CRCP). Journals of the Atmospheric Sciences, 2003, 60, 847-864.	1.7	141
99	Microscopic Approach to Cloud Droplet Growth by Condensation. Part II: Turbulence, Clustering, and Condensational Growth. Journals of the Atmospheric Sciences, 2002, 59, 3421-3435.	1.7	109
100	A Multiscale Anelastic Model for Meteorological Research. Monthly Weather Review, 2002, 130, 939-956.	1.4	89
101	Walker-Type Mean Circulations and Convectively Coupled Tropical Waves as an Interacting System. Journals of the Atmospheric Sciences, 2002, 59, 1566-1577.	1.7	8
102	Mean-State Convective Circulations over Large-Scale Tropical SST Gradients. Journals of the Atmospheric Sciences, 2002, 59, 1578-1592.	1.7	16
103	Large-scale organization of moist convection in idealized aquaplanet simulations. International Journal for Numerical Methods in Fluids, 2002, 39, 843-853.	1.6	15
104	Coupling Cloud Processes with the Large-Scale Dynamics Using the Cloud-Resolving Convection Parameterization (CRCP). Journals of the Atmospheric Sciences, 2001, 58, 978-997.	1.7	393
105	Explicit and Parameterized Realizations of Convective Cloud Systems in TOGA COARE. Monthly Weather Review, 2001, 129, 1689-1703.	1.4	29
106	Microscopic Approach to Cloud Droplet Growth by Condensation. Part I: Model Description and Results without Turbulence. Journals of the Atmospheric Sciences, 2001, 58, 1945-1964.	1.7	69
107	Large-scale organization of tropical convection in two-dimensional explicit numerical simulations. Quarterly Journal of the Royal Meteorological Society, 2001, 127, 445-468.	2.7	137
108	Hierarchical modelling of tropical convective systems using explicit and parametrized approaches. Quarterly Journal of the Royal Meteorological Society, 2001, 127, 493-515.	2.7	24

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109	Cloud Microphysics and the Tropical Climate: Cloud-Resolving Model Perspective. Journal of Climate, 2000, 13, 2306-2322.	3.2	40
110	Cloud Resolving Modeling of Tropical Circulations Driven by Large-Scale SST Gradients. Journals of the Atmospheric Sciences, 2000, 57, 2022-2040.	1.7	66
111	CRCP: a Cloud Resolving Convection Parameterization for modeling the tropical convecting atmosphere. Physica D: Nonlinear Phenomena, 1999, 133, 171-178.	2.8	243
112	A parameterization of cloud microphysics for long-term cloud-resolving modeling of tropical convection. Atmospheric Research, 1999, 52, 17-41.	4.1	45
113	Cloud Resolving Modeling of Tropical Cloud Systems during Phase III of GATE. Part III: Effects of Cloud Microphysics. Journals of the Atmospheric Sciences, 1999, 56, 2384-2402.	1.7	63
114	Comments on â€œPreferential Concentration of Cloud Droplets by Turbulence:Effects on the Early Evolution of Cumulus Cloud Droplet Spectraâ€. Journals of the Atmospheric Sciences, 1999, 56, 1433-1436.	1.7	60
115	Long-Term Behavior of Cloud Systems in TOGA COARE and Their Interactions with Radiative and Surface Processes. Part II: Effects of Ice Microphysics on Cloudâ€"Radiation Interaction. Journals of the Atmospheric Sciences, 1999, 56, 3177-3195.	1.7	85
116	Simple two-dimensional kinematic framework designed to test warm rain microphysical models. Atmospheric Research, 1998, 45, 299-326.	4.1	36
117	Long-Term Behavior of Cloud Systems in TOGA COARE and Their Interactions with Radiative and Surface Processes. Part I: Two-Dimensional Modeling Study. Journals of the Atmospheric Sciences, 1998, 55, 2693-2714.	1.7	130
118	Cloud-Resolving Modeling of Cloud Systems during Phase III of GATE. Part II: Effects of Resolution and the Third Spatial Dimension. Journals of the Atmospheric Sciences, 1998, 55, 3264-3282.	1.7	189
119	Toward Cloud Resolving Modeling of Large-Scale Tropical Circulations: A Simple Cloud Microphysics Parameterization. Journals of the Atmospheric Sciences, 1998, 55, 3283-3298.	1.7	183
120	Upshear and Downshear Evolution of Cloud Structure and Spectral Properties. Journals of the Atmospheric Sciences, 1997, 54, 1203-1217.	1.7	10
121	Cloud-Resolving Modeling of Tropical Cloud Systems during Phase III of GATE. Part I: Two-Dimensional Experiments. Journals of the Atmospheric Sciences, 1996, 53, 3684-3709.	1.7	219
122	Long-term behaviour of precipitating tropical cloud systems: A numerical study. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 1019-1042.	2.7	41
123	Two-Time-Level Semi-Lagrangian Modeling of Precipitating Clouds. Monthly Weather Review, 1996, 124, 487-497.	1.4	68
124	Entrainment and mixing in buoyancy-reversing convection with applications to cloud-top entrainment instability. Quarterly Journal of the Royal Meteorological Society, 1995, 121, 231-253.	2.7	19
125	Cumulus entrainment, fine-scale mixing, and buoyancy reversal. Quarterly Journal of the Royal Meteorological Society, 1993, 119, 935-956.	2.7	57
126	Cloud-Environment Interface Instability. Part III: Direct Influence of Environmental Shear. Journals of the Atmospheric Sciences, 1993, 50, 3821-3828.	1.7	31

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127	Cumulus Entrainment and Cloud Droplet Spectra: A Numerical Model within a Two-Dimensional Dynamical Framework. Journals of the Atmospheric Sciences, 1993, 50, 120-136.	1.7	66
128	Cloud-Environment Interface Instability: Part II: Extension to Three Spatial Dimensions. Journals of the Atmospheric Sciences, 1993, 50, 555-573.	1.7	86
129	Cloudâ€"Environment Interface Instability: Rising Thermal Calculations in Two Spatial Dimensions. Journals of the Atmospheric Sciences, 1991, 48, 527-546.	1.7	109
130	Monotone Finite-Difference Approximations to the Advection-Condensation Problem. Monthly Weather Review, 1990, 118, 2082-2098.	1.4	63
131	The multidimensional positive definite advection transport algorithm: nonoscillatory option. Journal of Computational Physics, 1990, 86, 355-375.	3.8	329
132	On the influence of small-scale topography on precipitation. Quarterly Journal of the Royal Meteorological Society, 1989, 115, 633-650.	2.7	12
133	Numerical Experiments on the Dynamics of the Cloudâ€"Environment Interface: Small Cumulus in a Shear-Free Environment. Journals of the Atmospheric Sciences, 1989, 46, 3513-3541.	1.7	37
134	On the bulk parameterization of snow and its application to the quantitative studies of precipitation growth. Pure and Applied Geophysics, 1988, 127, 79-92.	1.9	7
135	On the influence of microphysics parametrization on the rainfall rates in numerical models of clouds. Pure and Applied Geophysics, 1985, 123, 941-950.	1.9	2
136	A model for interaction between methane and silica. Journal of Molecular Catalysis, 1978, 3, 299-303.	1.2	2
137	Quantum chemical study of catalytic isomerization of olefins II. Intramolecular hydrogen shift in the presence of a basic center. Journal of Catalysis, 1977, 49, 363-368.	6.2	9
138	Separating physical impacts from natural variability using piggybacking technique. Advances in Geosciences, 0, 49, 105-111.	12.0	14