Venkatachalam Ramaswamy

List of Publications by Year
in descending order

Version: 2024-02-01

157 papers	13,972 citations	25034 57 h-index	22166 113 g-index
161 all docs	161 docs citations	161 times ranked	11120 citing authors

#	Article	IF	Citations
1	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. Journal of Climate, 2006, 19, 643-674.	3.2	1,431
2	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. Journal of Climate, 2011, 24, 3484-3519.	3.2	887
3	Anthropogenic Aerosols and the Weakening of the South Asian Summer Monsoon. Science, 2011, 334, 502-505.	12.6	876
4	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.	7.1	479
5	Global sensitivity studies of the direct radiative forcing due to anthropogenic sulfate and black carbon aerosols. Journal of Geophysical Research, 1998, 103, 6043-6058.	3.3	402
6	A search for human influences on the thermal structure of the atmosphere. Nature, 1996, 382, 39-46.	27.8	397
7	Stratospheric temperature trends: Observations and model simulations. Reviews of Geophysics, 2001, 39, 71-122.	23.0	326
8	Tropospheric Aerosol Climate Forcing in Clear-Sky Satellite Observations over the Oceans. Science, 1999, 283, 1299-1303.	12.6	297
9	Amplification of Surface Temperature Trends and Variability in the Tropical Atmosphere. Science, 2005, 309, 1551-1556.	12.6	267
10	The Radiative Signature of Upper Tropospheric Moistening. Science, 2005, 310, 841-844.	12.6	259
11	Radiative-Convective Equilibrium with Explicit Two-Dimensional Moist Convection. Journals of the Atmospheric Sciences, 1993, 50, 3909-3927.	1.7	250
12	Achieving Climate Change Absolute Accuracy in Orbit. Bulletin of the American Meteorological Society, 2013, 94, 1519-1539.	3.3	239
13	Radiative forcing by well-mixed greenhouse gases: Estimates from climate models in the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (AR4). Journal of Geophysical Research, 2006, 111, .	3.3	211
14	Arctic Oscillation response to the 1991 Mount Pinatubo eruption: Effects of volcanic aerosols and ozone depletion. Journal of Geophysical Research, 2002, 107, ACL 28-1.	3.3	210
15	Assessment of Twentieth-Century Regional Surface Temperature Trends Using the GFDL CM2 Coupled Models. Journal of Climate, 2006, 19, 1624-1651.	3.2	206
16	Arctic Oscillation response to volcanic eruptions in the IPCC AR4 climate models. Journal of Geophysical Research, 2006, 111, .	3.3	199
17	A comparison of model-simulated trends in stratospheric temperatures. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 1565-1588.	2.7	189
18	Distribution, transport, and deposition of mineral dust in the Southern Ocean and Antarctica: Contribution of major sources. Journal of Geophysical Research, 2008, 113, .	3.3	189

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19	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 2. Model Description, Sensitivity Studies, and Tuning Strategies. Journal of Advances in Modeling Earth Systems, 2018, 10, 735-769.	3.8	185
20	Volcanic signals in oceans. Journal of Geophysical Research, 2009, 114, .	3.3	181
21	Fingerprint of ozone depletion in the spatial and temporal pattern of recent lower-stratospheric cooling. Nature, 1996, 382, 616-618.	27.8	173
22	The roles of aerosol direct and indirect effects in past and future climate change. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4521-4532.	3.3	169
23	Radiative forcing of climate from halocarbon-induced global stratospheric ozone loss. Nature, 1992, 355, 810-812.	27.8	167
24	Intercomparing shortwave radiation codes for climate studies. Journal of Geophysical Research, 1991, 96, 8955-8968.	3.3	163
25	The GFDL Global Atmosphere and Land Model AM4.0/LM4.0: 1. Simulation Characteristics With Prescribed SSTs. Journal of Advances in Modeling Earth Systems, 2018, 10, 691-734.	3.8	155
26	Effect of Graphitic Carbon on the Albedo of Clouds. Journals of the Atmospheric Sciences, 1984, 41, 3076-3084.	1.7	150
27	Two opposing effects of absorbing aerosols on globalâ€mean precipitation. Geophysical Research Letters, 2010, 37, .	4.0	148
28	A New Parameterization of Cloud Droplet Activation Applicable to General Circulation Models. Journals of the Atmospheric Sciences, 2006, 63, 1348-1356.	1.7	143
29	Anthropogenic and Natural Influences in the Evolution of Lower Stratospheric Cooling. Science, 2006, 311, 1138-1141.	12.6	139
30	Assessing 1D Atmospheric Solar Radiative Transfer Models: Interpretation and Handling of Unresolved Clouds. Journal of Climate, 2003, 16, 2676-2699.	3.2	134
31	Nonlinear Climate and Hydrological Responses to Aerosol Effects. Journal of Climate, 2009, 22, 1329-1339.	3.2	130
32	A new multiple-band solar radiative parameterization for general circulation models. Journal of Geophysical Research, 1999, 104, 31389-31409.	3.3	128
33	Intercomparison of models representing direct shortwave radiative forcing by sulfate aerosols. Journal of Geophysical Research, 1998, 103, 16979-16998.	3.3	124
34	Transient response of a coupled model to estimated changes in greenhouse gas and sulfate concentrations. Geophysical Research Letters, 1997, 24, 1335-1338.	4.0	116
35	Hygroscopic and optical properties of organic sea salt aerosol and consequences for climate forcing. Geophysical Research Letters, 2004, 31, .	4.0	112
36	Uncertainty in Model Climate Sensitivity Traced to Representations of Cumulus Precipitation Microphysics. Journal of Climate, 2016, 29, 543-560.	3.2	109

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37	Albedo of sootâ€contaminated snow. Journal of Geophysical Research, 1983, 88, 10837-10843.	3.3	108
38	Contribution of local and remote anthropogenic aerosols to the twentieth century weakening of the South Asian Monsoon. Geophysical Research Letters, 2014, 41, 680-687.	4.0	101
39	Absorbing aerosols over Asia: A Geophysical Fluid Dynamics Laboratory general circulation model sensitivity study of model response to aerosol optical depth and aerosol absorption. Journal of Geophysical Research, 2008, 113, .	3.3	100
40	A Model Investigation of Aerosol-Induced Changes in Tropical Circulation. Journal of Climate, 2011, 24, 5125-5133.	3.2	97
41	Radiative effects of CH4, N2O, halocarbons and the foreign-broadened H2O continuum: A GCM experiment. Journal of Geophysical Research, 1999, 104, 9467-9488.	3.3	95
42	Scattering and absorbing aerosols in the climate system. Nature Reviews Earth & Environment, 2022, 3, 363-379.	29.7	93
43	A limited-area-model case study of the effects of sub-grid scale Variations in relative humidity and cloud upon the direct radiative forcing of sulfate aerosol. Geophysical Research Letters, 1997, 24, 143-146.	4.0	92
44	Net radiative forcing due to changes in regional emissions of tropospheric ozone precursors. Journal of Geophysical Research, 2005, 110, .	3.3	92
45	Modeling the Interactions between Aerosols and Liquid Water Clouds with a Self-Consistent Cloud Scheme in a General Circulation Model. Journals of the Atmospheric Sciences, 2007, 64, 1189-1209.	1.7	91
46	A general circulation model study of the global carbonaceous aerosol distribution. Journal of Geophysical Research, 2002, 107, ACH 2-1.	3.3	90
47	Intercomparison of shortwave radiative transfer codes and measurements. Journal of Geophysical Research, 2005, 110, .	3.3	88
48	Radiative impact of the Mount Pinatubo volcanic eruption: Lower stratospheric response. Journal of Geophysical Research, 2000, 105, 24409-24429.	3.3	80
49	Strong sensitivity of late 21st century climate to projected changes in shortâ€lived air pollutants. Journal of Geophysical Research, 2008, 113, .	3.3	80
50	Solar Absorption by Cirrus Clouds and the Maintenance of the Tropical Upper Troposphere Thermal Structure. Journals of the Atmospheric Sciences, 1989, 46, 2293-2310.	1.7	79
51	Spatial scales of climate response to inhomogeneous radiative forcing. Journal of Geophysical Research, 2010, 115, .	3.3	79
52	Earlier onset of the Indian monsoon in the late twentieth century: The role of anthropogenic aerosols. Geophysical Research Letters, 2013, 40, 3715-3720.	4.0	77
53	Arctic oscillation response to the 1991 Pinatubo eruption in the SKYHI general circulation model with a realistic quasi-biennial oscillation. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	71
54	A Model Investigation of Aerosol-Induced Changes in Boreal Winter Extratropical Circulation. Journal of Climate, 2011, 24, 6077-6091.	3.2	71

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55	Evaluation of aerosol distribution and optical depth in the Geophysical Fluid Dynamics Laboratory coupled model CM2.1 for present climate. Journal of Geophysical Research, 2006, 111, .	3.3	68
56	Optical properties and mass concentration of carbonaceous smokes. Applied Optics, 1981, 20, 2980.	2.1	67
57	The impact of aerosols on simulated ocean temperature and heat content in the 20th century. Geophysical Research Letters, 2005, 32, .	4.0	67
58	Radiative forcing due to ozone in the 1980s: Dependence on altitude of ozone change. Geophysical Research Letters, 1993, 20, 205-208.	4.0	57
59	Retrieving the composition and concentration of aerosols over the Indoâ€Gangetic basin using CALIOP and AERONET data. Geophysical Research Letters, 2009, 36, .	4.0	56
60	Transport of Patagonian dust to Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	53
61	Sensitivities of the radiative forcing due to large loadings of smoke and dust aerosols. Journal of Geophysical Research, 1985, 90, 5597-5613.	3.3	52
62	Radiative Forcing of Climate: The Historical Evolution of the Radiative Forcing Concept, the Forcing Agents and their Quantification, and Applications. Meteorological Monographs, 2019, 59, 14.1-14.101.	5.0	52
63	Four-Stream Spherical Harmonic Expansion Approximation for Solar Radiative Transfer. Journals of the Atmospheric Sciences, 1996, 53, 1174-1186.	1.7	51
64	A strict test in climate modeling with spectrally resolved radiances: GCM simulation versus AIRS observations. Geophysical Research Letters, 2007, 34, .	4.0	51
65	Contrasting Climate Responses to the Scattering and Absorbing Features of Anthropogenic Aerosol Forcings. Journal of Climate, 2014, 27, 5329-5345.	3.2	50
66	Simple Approximation for Infrared Emissivity of Water Clouds. Journals of the Atmospheric Sciences, 1982, 39, 171-177.	1.7	47
67	A study of broadband parameterizations of the solar radiative interactions with water vapor and water drops. Journal of Geophysical Research, 1992, 97, 11487-11512.	3.3	47
68	Linear additivity of climate response for combined albedo and greenhouse perturbations. Geophysical Research Letters, 1997, 24, 567-570.	4.0	47
69	Lessons Learned from IPCC AR4: Scientific Developments Needed to Understand, Predict, and Respond to Climate Change. Bulletin of the American Meteorological Society, 2009, 90, 497-514.	3.3	47
70	Direct radiative forcing of anthropogenic organic aerosol. Journal of Geophysical Research, 2005, 110, .	3.3	45
71	An investigation of the sensitivity of the clear-sky outgoing longwave radiation to atmospheric temperature and water vapor. Journal of Geophysical Research, 2007, 112, .	3.3	45
72	On the sensitivity of radiative forcing from biomass burning aerosols and ozone to emission location. Geophysical Research Letters, 2007, 34, .	4.0	45

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73	An assessment of recent water vapor continuum measurements upon longwave and shortwave radiative transfer. Journal of Geophysical Research, 2011, 116, .	3.3	45
74	Observed Dependence of Outgoing Longwave Radiation on Sea Surface Temperature and Moisture. Journal of Climate, 1994, 7, 807-821.	3.2	44
75	Solar radiative lineâ€byâ€line determination of water vapor absorption and water cloud extinction in inhomogeneous atmospheres. Journal of Geophysical Research, 1991, 96, 9133-9157.	3.3	43
76	Effect of changes in radiatively active species upon the lower stratospheric temperatures. Journal of Geophysical Research, 1994, 99, 18909.	3.3	43
77	Changes of the Tropical Tropopause Layer under Global Warming. Journal of Climate, 2017, 30, 1245-1258.	3.2	42
78	Atmospheric effects of nuclear war aerosols in general circulation model simulations: Influence of smoke optical properties. Journal of Geophysical Research, 1987, 92, 10942-10960.	3.3	41
79	Estimates of radiative forcing due to modeled increases in tropospheric ozone. Journal of Geophysical Research, 1998, 103, 16999-17007.	3.3	41
80	Interdependence of Radiation and Microphysics in Cirrus Clouds. Journals of the Atmospheric Sciences, 1986, 43, 2289-2301.	1.7	39
81	Inferring the composition and concentration of aerosols by combining AERONET and MPLNET data: Comparison with other measurements and utilization to evaluate GCM output. Journal of Geophysical Research, 2009, 114, .	3.3	39
82	Spectrally resolved fluxes derived from collocated AIRS and CERES measurements and their application in model evaluation: Clear sky over the tropical oceans. Journal of Geophysical Research, 2008, 113, .	3.3	37
83	Evaluation of tropical and extratropical Southern Hemisphere African aerosol properties simulated by a climate model. Journal of Geophysical Research, 2009, 114, .	3.3	36
84	Observation and integrated Earth-system science: A roadmap for 2016â€“2025. Advances in Space Research, 2016, 57, 2037-2103.	2.6	35
85	Direct and semi-direct impacts of absorbing biomass burning aerosol on the climate of southern Africa: a Geophysical Fluid Dynamics Laboratory GCM sensitivity study. Atmospheric Chemistry and Physics, 2010, 10, 9819-9831.	4.9	34
86	New Directions: Understanding interactions of air quality and climate change at regional scales. Atmospheric Environment, 2012, 49, 419-421.	4.1	33
87	Anthropogenic forcing and response yield observed positive trend in Earthâ€™s energy imbalance. Nature Communications, 2021, 12, 4577.	12.8	33
88	Evolution and Trend of the Outgoing Longwave Radiation Spectrum. Journal of Climate, 2009, 22, 4637-4651.	3.2	31
89	Sensitivity of scattering and absorbing aerosol direct radiative forcing to physical climate factors. Journal of Geophysical Research, 2012, 117, .	3.3	30
90	Precipitation Partitioning, Tropical Clouds, and Intraseasonal Variability in GFDL AM2. Journal of Climate, 2013, 26, 5453-5466.	3.2	30

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91	Effects of ozone and well-mixed gases on annual-mean stratospheric temperature trends. Geophysical Research Letters, 2002, 29, 21-1-21-4.	4.0	28
92	Investigating the impact of the shortwave water vapor continuum upon climate simulations using GFDL global models. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,720-10,737.	3.3	28
93	Variations in water vapor continuum radiative transfer with atmospheric conditions. Journal of Geophysical Research, 2012, 117, .	3.3	27
94	Microphysical and radiative evolution of aerosol plumes over the tropical North Atlantic Ocean. Journal of Geophysical Research, 2003, 108, AAC 11-1.	3.3	25
95	Correction to â€œDiagnostic analysis of atmospheric moisture and clearâ€sky radiative feedback in the Hadley Centre and Geophysical Fluid Dynamics Laboratory (GFDL) climate modelsâ€• Journal of Geophysical Research, 2003, 108, .	3.3	25
96	A microphysics-based investigation of the radiative effects of aerosol-cloud interactions for two MAST Experiment case studies. Journal of Geophysical Research, 2001, 106, 1249-1269.	3.3	24
97	Analysis of moisture variability in the European Centre for Medium-Range Weather Forecasts 15-year reanalysis over the tropical oceans. Journal of Geophysical Research, 2002, 107, ACL 1-1.	3.3	24
98	Quantification of the source of errors in AM2 simulated tropical clear-sky outgoing longwave radiation. Journal of Geophysical Research, 2006, 111, .	3.3	24
99	Climate sensitivity in the Anthropocene. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1121-1131.	2.7	24
100	Dependence of modelâ€simulated response to ozone depletion on stratospheric polar vortex climatology. Geophysical Research Letters, 2017, 44, 6391-6398.	4.0	24
101	Designing the Climate Observing System of the Future. Earth's Future, 2018, 6, 80-102.	6.3	24
102	Geophysical Fluid Dynamics Laboratory general circulation model investigation of the indirect radiative effects of anthropogenic sulfate aerosol. Journal of Geophysical Research, 2005, 110, .	3.3	23
103	Tropical Tropospheric-Only Responses to Absorbing Aerosols. Journal of Climate, 2012, 25, 2471-2480.	3.2	23
104	On the Seasonality of Arctic Black Carbon. Journal of Climate, 2017, 30, 4429-4441.	3.2	22
105	Radiative forcing due to changes in ozone: a comparison of different codes. , 1995, , 373-396.		21
106	Evolution of stratospheric temperature in the 20th century. Geophysical Research Letters, 2008, 35, .	4.0	20
107	Observed and simulated seasonal coâ€variations of outgoing longwave radiation spectrum and surface temperature. Geophysical Research Letters, 2008, 35, .	4.0	20
108	Assessing the Influence of COVIDâ€19 on the Shortwave Radiative Fluxes Over the East Asian Marginal Seas. Geophysical Research Letters, 2021, 48, e2020GL091699.	4.0	20

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109	Analysis of the biases in the downward shortwave surface flux in the GFDL CM2.1 general circulation model. Journal of Geophysical Research, 2011, 116, .	3.3	19
110	Sensitivity of Simulated Global Climate to Perturbations in Low Cloud Microphysical Properties. Part II: Spatially Localized Perturbations. Journal of Climate, 1996, 9, 2788-2801.	3.2	16
111	Sensitivity of Simulated Global Climate to Perturbations in Low-Cloud Microphysical Properties. Part I: Globally Uniform Perturbations. Journal of Climate, 1996, 9, 1385-1402.	3.2	15
112	A high-spectral resolution study of the near-infrared solar flux disposition in clear and overcast atmospheres. Journal of Geophysical Research, 1998, 103, 23255-23273.	3.3	15
113	Toward understanding the dust deposition in Antarctica during the Last Glacial Maximum: Sensitivity studies on plausible causes. Journal of Geophysical Research, 2010, 115, .	3.3	15
114	The role of aerosol absorption in driving clearâ€sky solar dimming over East Asia. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,410.	3.3	15
115	Tropical climate change control of the lower stratospheric circulation. Geophysical Research Letters, 2015, 42, 941-948.	4.0	15
116	Competing Atmospheric and Surface-Driven Impacts of Absorbing Aerosols on the East Asian Summertime Climate. Journal of Climate, 2017, 30, 8929-8949.	3.2	15
117	On the Mechanisms of the Active 2018 Tropical Cyclone Season in the North Pacific. Geophysical Research Letters, 2019, 46, 12293-12302.	4.0	15
118	Lower and upper bounds on extinction cross sections of arbitrarily shaped strongly absorbing or strongly reflecting nonspherical particles. Applied Optics, 1982, 21, 4339.	2.1	14
119	An investigation of the global solar radiative forcing due to changes in cloud liquid water path. Journal of Geophysical Research, 1993, 98, 16703-16712.	3.3	14
120	Differing regional responses to a perturbation in solar cloud absorption in the SKYHI general circulation model. Journal of Geophysical Research, 2006, 111, .	3.3	14
121	Quantifying the Drivers of the Clear Sky Greenhouse Effect, 2000â€“2016. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11354-11371.	3.3	14
122	Solar radiation absorption by CO₂, overlap with H₂O, and a parameterization for general circulation models. Journal of Geophysical Research, 1993, 98, 7255-7264.	3.3	13
123	Projected Changes in South Asian Monsoon Low Pressure Systems. Journal of Climate, 2020, 33, 7275-7287.	3.2	13
124	Climate forcing-response relationships for greenhouse and shortwave radiative perturbations. Geophysical Research Letters, 1997, 24, 667-670.	4.0	12
125	Atmospheric sulfur and deep convective clouds in tropical Pacific: A model study. Journal of Geophysical Research, 1999, 104, 4005-4024.	3.3	12
126	Dehydration mechanism in the Antarctic stratosphere during winter. Geophysical Research Letters, 1988, 15, 863-866.	4.0	10

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127	The Stratospheric Changes Inferred from 10 Years of AIRS and AMSU-A Radiances. Journal of Climate, 2017, 30, 6005-6016.	3.2	10
128	Spatially similar surface energy flux perturbations due to greenhouse gases and aerosols. Nature Communications, 2018, 9, 3247.	12.8	10
129	Diagnostic analysis of atmospheric moisture and clear-sky radiative feedback in the Hadley Centre and Geophysical Fluid Dynamics Laboratory (GFDL) climate models. Journal of Geophysical Research, 2002, 107, ACL 4-1-ACL 4-7.	3.3	9
130	Note on the definition of clear sky in calculations of shortwave cloud forcing. Journal of Geophysical Research, 2003, 108, .	3.3	9
131	Refinement of the Geophysical Fluid Dynamics Laboratory solar benchmark computations and an improved parameterization for climate models. Journal of Geophysical Research, 2005, 110, .	3.3	9
132	A comparative study of the observations of high clouds and simulations by an atmospheric general circulation model. Climate Dynamics, 1991, 5, 135-143.	3.8	8
133	A New Paradigm for Diagnosing Contributions to Model Aerosol Forcing Error. Geophysical Research Letters, 2017, 44, 12,004.	4.0	8
134	Spectral characteristics of solar near-infrared absorption in cloudy atmospheres. Journal of Geophysical Research, 1998, 103, 28793-28799.	3.3	7
135	Radiative Heating Profiles in Simple Cirrus Cloud Systems. Journals of the Atmospheric Sciences, 1990, 47, 2167-2176.	1.7	6
136	Parameterization of the solar radiative characteristics of low clouds and studies with a general circulation model. Journal of Geophysical Research, 1995, 100, 11611.	3.3	6
137	Explosive start to last ice age. Nature, 1992, 359, 14-14.	27.8	5
138	On shortwave radiation absorption in overcast atmospheres. Journal of Geophysical Research, 1999, 104, 22233-22241.	3.3	5
139	Effects of changes in well-mixed gases and ozone on stratospheric seasonal temperatures. Geophysical Research Letters, 2002, 29, 37-1-37-4.	4.0	5
140	Sensitivity of the atmospheric lapse rate to solar cloud absorption in a radiative-convective model. Journal of Geophysical Research, 2003, 108, .	3.3	5
141	A lineâ€byâ€line investigation of solar radiative effects in vertically inhomogeneous low clouds. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 1873-1890.	2.7	5
142	Anthropogenic Climate Change in Asia: Key Challenges. Eos, 2009, 90, 469-471.	0.1	5
143	Nonlocal component of radiative flux perturbation. Geophysical Research Letters, 2012, 39, .	4.0	5
144	A Radiativeâ€“Convective Equilibrium Perspective of Weakening of the Tropical Walker Circulation in Response to Global Warming. Journal of Climate, 2013, 26, 1643-1653.	3.2	5

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145	Reply [to â€œComments on â€˜A limited-area-model case study of the effects of sub-grid scale variations in relative humidity and cloud upon the direct radiative forcing of sulfate aerosolâ€™â€]. Geophysical Research Letters, 1998, 25, 1041-1041.	4.0	3
146	Effect of the temperature dependence of gas absorption in climate feedback. Journal of Geophysical Research, 2007, 112, .	3.3	3
147	Solar spectral weight at low cloud tops. Journal of Geophysical Research, 1997, 102, 11139-11143.	3.3	2
148	The effects of atmospheric sulfur on the radiative properties of convective clouds: a limited area modeling study. Geophysical Research Letters, 1998, 25, 1423-1426.	4.0	2
149	An Investigation Into Biases in Instantaneous Aerosol Radiative Effects Calculated by Shortwave Parameterizations in Two Earth System Models. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2019JD032323.	3.3	2
150	A line-by-line investigation of solar radiative effects in vertically inhomogeneous low clouds. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 1873-1890.	2.7	2
151	Stratospheric temperature response to improved solar CO2and H2O parameterizations. Journal of Geophysical Research, 1995, 100, 16721.	3.3	1
152	Variations in atmosphere-ocean solar absorption under clear skies: A comparison of observations and models. Geophysical Research Letters, 1998, 25, 2149-2152.	4.0	1
153	Assessing uncertainty in climate simulations. Nature Climate Change, 2007, 1, 63-63.	18.8	1
154	Note on the Scattering of Radiation by Moderately Nonspherical Particles. Journals of the Atmospheric Sciences, 1982, 39, 1886-1888.	1.7	1
155	Preface [to special section on The Intercomparison of Radiation Codes in Climate Models]. Journal of Geophysical Research, 1991, 96, 8921.	3.3	0
156	Correction to â€œAnalysis of moisture variability in the European Centre for Medium-Range Weather Forecasts 15-year reanalysis over the tropical oceansâ€•by Richard P. Allan et al.. Journal of Geophysical Research, 2002, 107, ACL 4-1-ACL 4-1.	3.3	0
157	A model study of the effect of Pinatubo volcanic aerosols on stratospheric temperatures. , 0, , 152-178.		0