

# Anthony D Del Genio

## List of Publications by Year in descending order

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173  
papers

17,388  
citations

13827

67  
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15218

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192  
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192  
docs citations

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times ranked

12297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. <i>Journal of Climate</i> , 2006, 19, 153-192.	1.2	832
2	Earth's Energy Imbalance: Confirmation and Implications. <i>Science</i> , 2005, 308, 1431-1435.	6.0	728
3	Intercomparison and interpretation of climate feedback processes in 19 atmospheric general circulation models. <i>Journal of Geophysical Research</i> , 1990, 95, 16601-16615.	3.3	722
4	Tropical Intraseasonal Variability in 14 IPCC AR4 Climate Models. Part I: Convective Signals. <i>Journal of Climate</i> , 2006, 19, 2665-2690.	1.2	664
5	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 141-184.	1.3	597
6	Surface Observed Global Land Precipitation Variations during 1900-88. <i>Journal of Climate</i> , 1997, 10, 2943-2962.	1.2	551
7	Black carbon semi-direct effects on cloud cover: review and synthesis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7685-7696.	1.9	503
8	Cassini Imaging of Jupiter's Atmosphere, Satellites, and Rings. <i>Science</i> , 2003, 299, 1541-1547.	6.0	405
9	Imaging of Titan from the Cassini spacecraft. <i>Nature</i> , 2005, 434, 159-168.	13.7	390
10	A Prognostic Cloud Water Parameterization for Global Climate Models. <i>Journal of Climate</i> , 1996, 9, 270-304.	1.2	385
11	Cloud ice: A climate model challenge with signs and expectations of progress. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	313
12	Cassini Imaging Science: Instrument Characteristics And Anticipated Scientific Investigations At Saturn. <i>Space Science Reviews</i> , 2004, 115, 363-497.	3.7	311
13	Cloud feedback in atmospheric general circulation models: An update. <i>Journal of Geophysical Research</i> , 1996, 101, 12791-12794.	3.3	257
14	Comparing clouds and their seasonal variations in 10 atmospheric general circulation models with satellite measurements. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	250
15	GISS-E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002025.	1.3	234
16	Was Venus the first habitable world of our solar system?. <i>Geophysical Research Letters</i> , 2016, 43, 8376-8383.	1.5	233
17	Climate simulations for 1880-2003 with GISS modelE. <i>Climate Dynamics</i> , 2007, 29, 661-696.	1.7	227
18	Intercomparison of model simulations of mixed-phase clouds observed during the ARM Mixed-Phase Arctic Cloud Experiment. I: single-layer cloud. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 979-1002.	1.0	224

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19	Evidence for Strengthening of the Tropical General Circulation in the 1990s. <i>Science</i> , 2002, 295, 838-841.	6.0	222
20	GCM Simulations of the Aerosol Indirect Effect: Sensitivity to Cloud Parameterization and Aerosol Burden. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 692-713.	0.6	215
21	Dangerous human-made interference with climate: a GISS modelE study. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2287-2312.	1.9	211
22	Rapid and Extensive Surface Changes Near Titan's Equator: Evidence of April Showers. <i>Science</i> , 2011, 331, 1414-1417.	6.0	184
23	Cassini Imaging Science: Initial Results on Saturn's Rings and Small Satellites. <i>Science</i> , 2005, 307, 1226-1236.	6.0	183
24	Interpretation of Snow-Climate Feedback as Produced by 17 General Circulation Models. <i>Science</i> , 1991, 253, 888-892.	6.0	171
25	The MJO Transition from Shallow to Deep Convection in CloudSat/CALIPSO Data and GISS GCM Simulations. <i>Journal of Climate</i> , 2012, 25, 3755-3770.	1.2	171
26	Clouds, precipitation and temperature range. <i>Nature</i> , 1997, 386, 665-666.	13.7	169
27	Cassini Imaging Science: Initial Results on Phoebe and Iapetus. <i>Science</i> , 2005, 307, 1237-1242.	6.0	169
28	Behavior of Deep Convective Clouds in the Tropical Pacific Deduced from ISCCP Radiances. <i>Journal of Climate</i> , 1990, 3, 1129-1152.	1.2	160
29	Cloud morphology and motions from Pioneer Venus images. <i>Journal of Geophysical Research</i> , 1980, 85, 8107-8128.	3.3	159
30	Will moist convection be stronger in a warmer climate?. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	157
31	The Tropical Subseasonal Variability Simulated in the NASA GISS General Circulation Model. <i>Journal of Climate</i> , 2012, 25, 4641-4659.	1.2	148
32	Improving High-Resolution Weather Forecasts Using the Weather Research and Forecasting (WRF) Model with an Updated Kain-Fritsch Scheme. <i>Monthly Weather Review</i> , 2016, 144, 833-860.	0.5	147
33	Distinguishing Aerosol Impacts on Climate over the Past Century. <i>Journal of Climate</i> , 2009, 22, 2659-2677.	1.2	140
34	CGILS: Results from the first phase of an international project to understand the physical mechanisms of low cloud feedbacks in single column models. <i>Journal of Advances in Modeling Earth Systems</i> , 2013, 5, 826-842.	1.3	140
35	Exoplanet Biosignatures: A Framework for Their Assessment. <i>Astrobiology</i> , 2018, 18, 709-738.	1.5	139
36	Deep Convective System Evolution over Africa and the Tropical Atlantic. <i>Journal of Climate</i> , 2007, 20, 5041-5060.	1.2	138

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37	Synoptically Driven Arctic Winter States. <i>Journal of Climate</i> , 2011, 24, 1747-1762.	1.2	132
38	Planetary-Scale Waves and the Cyclic Nature of Cloud Top Dynamics on Venus. <i>Journals of the Atmospheric Sciences</i> , 1990, 47, 293-318.	0.6	128
39	The Role of Entrainment in the Diurnal Cycle of Continental Convection. <i>Journal of Climate</i> , 2010, 23, 2722-2738.	1.2	127
40	Impact of space weather on climate and habitability of terrestrial-type exoplanets. <i>International Journal of Astrobiology</i> , 2020, 19, 136-194.	0.9	125
41	Cloud-Tracked Winds from Pioneer Venus OCPP Images. <i>Journals of the Atmospheric Sciences</i> , 1990, 47, 2053-2084.	0.6	121
42	Intercomparison and evaluation of cumulus parametrizations under summertime midlatitude continental conditions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 1095-1135.	1.0	119
43	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. <i>Journal of Climate</i> , 2014, 27, 2109-2124.	1.2	116
44	Future climate change under RCP emission scenarios with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 244-267.	1.3	112
45	Cassini Imaging Science: Initial Results on Saturn's Atmosphere. <i>Science</i> , 2005, 307, 1243-1247.	6.0	107
46	Factors Limiting Convective Cloud-Top Height at the ARM Nauru Island Climate Research Facility. <i>Journal of Climate</i> , 2006, 19, 2105-2117.	1.2	107
47	Equatorial Superrotation in a Slowly Rotating GCM: Implications for Titan and Venus. <i>Icarus</i> , 1993, 101, 1-17.	1.1	106
48	Resolving Orbital and Climate Keys of Earth and Extraterrestrial Environments with Dynamics (ROCKE-3D) 1.0: A General Circulation Model for Simulating the Climates of Rocky Planets. <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 12.	3.0	106
49	Interaction between eddies and mean flow in Jupiter's atmosphere: Analysis of Cassini imaging data. <i>Icarus</i> , 2006, 185, 430-442.	1.1	104
50	Cloud Patterns, Waves and Convection in the Venus Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 1394-1417.	0.6	101
51	Venusian Habitable Climate Scenarios: Modeling Venus Through Time and Applications to Slowly Rotating Venus-Like Exoplanets. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006276.	1.5	101
52	Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data. <i>Nature</i> , 1992, 358, 394-394.	13.7	98
53	Climatic Properties of Tropical Precipitating Convection under Varying Environmental Conditions. <i>Journal of Climate</i> , 2002, 15, 2597-2615.	1.2	98
54	Coupled Aerosol-Chemistry Climate Twentieth-Century Transient Model Investigation: Trends in Short-Lived Species and Climate Responses. <i>Journal of Climate</i> , 2011, 24, 2693-2714.	1.2	98

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55	Cumulus Microphysics and Climate Sensitivity. <i>Journal of Climate</i> , 2005, 18, 2376-2387.	1.2	96
56	Diagnosis of regime-dependent cloud simulation errors in CMIP5 models using retrain satellite observations and reanalysis data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2762-2780.	1.2	90
57	Influence of Ocean Surface Conditions on Atmospheric Vertical Thermodynamic Structure and Deep Convection. <i>Journal of Climate</i> , 1994, 7, 1092-1108.	1.2	85
58	Intercomparison of model simulations of mixed-phase clouds observed during the ARM Mixed-Phase Arctic Cloud Experiment. II: Multilayer cloud. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 1003-1019.	1.0	84
59	Cassini imaging of Saturn: Southern hemisphere winds and vortices. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	83
60	Intercomparison and interpretation of surface energy fluxes in atmospheric general circulation models. <i>Journal of Geophysical Research</i> , 1992, 97, 3711-3724.	3.3	81
61	Uncertainties in Carbon Dioxide Radiative Forcing in Atmospheric General Circulation Models. <i>Science</i> , 1993, 262, 1252-1255.	6.0	81
62	Simulations of Superrotation on Slowly Rotating Planets: Sensitivity to Rotation and Initial Condition. <i>Icarus</i> , 1996, 120, 332-343.	1.1	81
63	Composite Analysis of Winter Cyclones in a GCM: Influence on Climatological Humidity. <i>Journal of Climate</i> , 2006, 19, 1652-1672.	1.2	81
64	Representing the Sensitivity of Convective Cloud Systems to Tropospheric Humidity in General Circulation Models. <i>Surveys in Geophysics</i> , 2012, 33, 637-656.	2.1	80
65	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. <i>Astrobiology</i> , 2019, 19, 99-125.	1.5	80
66	Lightning on Jupiter observed in the line by the Cassini imaging science subsystem. <i>Icarus</i> , 2004, 172, 24-36.	1.1	76
67	Seasonal changes in Titan's meteorology. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	76
68	Cloud Vertical Distribution across Warm and Cold Fronts in CloudSat-CALIPSO Data and a General Circulation Model. <i>Journal of Climate</i> , 2010, 23, 3397-3415.	1.2	72
69	Simulations of the effect of a warmer climate on atmospheric humidity. <i>Nature</i> , 1991, 351, 382-385.	13.7	71
70	Constraints on Cumulus Parameterization from Simulations of Observed MJO Events. <i>Journal of Climate</i> , 2015, 28, 6419-6442.	1.2	71
71	Lightning storms on Saturn observed by Cassini ISS and RPWS during 2004-2006. <i>Icarus</i> , 2007, 190, 545-555.	1.1	67
72	Simulations of midlatitude frontal clouds by single-column and cloud-resolving models during the Atmospheric Radiation Measurement March 2000 cloud intensive operational period. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	66

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73	Evaluation of tropical cloud regimes in observations and a general circulation model. <i>Climate Dynamics</i> , 2009, 32, 355-369.	1.7	66
74	Is Precipitation a Good Metric for Model Performance?. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 223-233.	1.7	64
75	The Spatiotemporal Structure of Twentieth-Century Climate Variations in Observations and Reanalyses. Part II: Pacific Pan-Decadal Variability. <i>Journal of Climate</i> , 2008, 21, 2634-2650.	1.2	62
76	The Spatiotemporal Structure of Twentieth-Century Climate Variations in Observations and Reanalyses. Part I: Long-Term Trend. <i>Journal of Climate</i> , 2008, 21, 2611-2633.	1.2	62
77	CAPE Variations in the Current Climate and in a Climate Change. <i>Journal of Climate</i> , 1998, 11, 1997-2015.	1.2	61
78	Climates of Warm Earth-like Planets. I. 3D Model Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 24.	3.0	61
79	Role of Longwave Cloudâ€“Radiation Feedback in the Simulation of the Maddenâ€“Julian Oscillation. <i>Journal of Climate</i> , 2015, 28, 6979-6994.	1.2	59
80	Analysis of snow feedbacks in 14 general circulation models. <i>Journal of Geophysical Research</i> , 1994, 99, 20757.	3.3	58
81	Effects of Cloud Parameterization on the Simulation of Climate Changes in the GISS GCM. <i>Journal of Climate</i> , 1999, 12, 761-779.	1.2	58
82	Saturn eddy momentum fluxes and convection: First estimates from Cassini images. <i>Icarus</i> , 2007, 189, 479-492.	1.1	58
83	Life cycles of spots on Jupiter from Cassini images. <i>Icarus</i> , 2004, 172, 9-23.	1.1	56
84	Analyzing signatures of aerosolâ€“cloud interactions from satellite retrievals and the GISS GCM to constrain the aerosol indirect effect. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	56
85	The Temperature Dependence of the Liquid Water Path of Low Clouds in the Southern Great Plains. <i>Journal of Climate</i> , 2000, 13, 3465-3486.	1.2	55
86	NIR-driven Moist Upper Atmospheres of Synchronously Rotating Temperate Terrestrial Exoplanets. <i>Astrophysical Journal</i> , 2017, 848, 100.	1.6	53
87	Clouds and sulfate are anticorrelated: A new diagnostic for global sulfur models. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	52
88	TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI): motivations and protocol version 1.0. <i>Geoscientific Model Development</i> , 2020, 13, 707-716.	1.3	52
89	Implementation of Subgrid Cloud Vertical Structure inside a GCM and Its Effect on the Radiation Budget. <i>Journal of Climate</i> , 1997, 10, 273-287.	1.2	51
90	Modeling springtime shallow frontal clouds with cloud-resolving and single-column models. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	51

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91	Characteristics of Mesoscale Organization in WRF Simulations of Convection during TWP-ICE. <i>Journal of Climate</i> , 2012, 25, 5666-5688.	1.2	51
92	Dynamics of Saturn's South Polar Vortex. <i>Science</i> , 2008, 319, 1801-1801.	6.0	50
93	Saturn's south polar vortex compared to other large vortices in the Solar System. <i>Icarus</i> , 2009, 202, 240-248.	1.1	50
94	Ongoing Breakthroughs in Convective Parameterization. <i>Current Climate Change Reports</i> , 2019, 5, 95-111.	2.8	50
95	CMIP6 Historical Simulations (1850–2014) With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2019MS002034.	1.3	49
96	Evaluating aerosol/cloud/radiation process parameterizations with single-column models and Second Aerosol Characterization Experiment (ACE-2) cloudy column observations. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	47
97	Impact of Dynamics and Atmospheric State on Cloud Vertical Overlap. <i>Journal of Climate</i> , 2008, 21, 1758-1770.	1.2	47
98	Titan's Meteorology Over the Cassini Mission: Evidence for Extensive Subsurface Methane Reservoirs. <i>Geophysical Research Letters</i> , 2018, 45, 5320-5328.	1.5	47
99	Observational constraint on cloud feedbacks suggests moderate climate sensitivity. <i>Nature Climate Change</i> , 2021, 11, 213-218.	8.1	47
100	WRF and GISS SCM simulations of convective updraft properties during TWP-ICE. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
101	The Relationship between Boundary Layer Stability and Cloud Cover in the Post-Cold-Frontal Region. <i>Journal of Climate</i> , 2016, 29, 8129-8149.	1.2	45
102	A Comparative Study of Rapidly and Slowly Rotating Dynamical Regimes in a Terrestrial General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , 1987, 44, 973-986.	0.6	44
103	Moist convection and the vertical structure and water abundance of Jupiter's atmosphere. <i>Icarus</i> , 1990, 84, 29-53.	1.1	44
104	Changes in the structure and propagation of the $MJO$ with increasing $C_{O_2}$ . <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1251-1268.	1.3	44
105	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. <i>Journal of Climate</i> , 2020, 33, 4463-4487.	1.2	42
106	Temporal variability of ultraviolet cloud features in the Venus stratosphere. <i>Icarus</i> , 1982, 51, 391-415.	1.1	41
107	Climatic implications of the seasonal variation of upper troposphere water vapor. <i>Geophysical Research Letters</i> , 1994, 21, 2701-2704.	1.5	41
108	Comparison of the seasonal change in cloud-radiative forcing from atmospheric general circulation models and satellite observations. <i>Journal of Geophysical Research</i> , 1997, 102, 16593-16603.	3.3	41

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109	Observational Constraints on the Cloud Thermodynamic Phase in Midlatitude Storms. <i>Journal of Climate</i> , 2006, 19, 5273-5288.	1.2	41
110	Assessment of NASA GISS CMIP5 and Post-CMIP5 Simulated Clouds and TOA Radiation Budgets Using Satellite Observations. Part I: Cloud Fraction and Properties. <i>Journal of Climate</i> , 2014, 27, 4189-4208.	1.2	39
111	Cloudâ€™radiative driving of the Maddenâ€™Julian oscillation as seen by the Aâ€™Train. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5344-5356.	1.2	38
112	Saturn Atmospheric Structure and Dynamics. , 2009, , 113-159.		38
113	Relationships between lightning and properties of convective cloud clusters. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	37
114	Sensitivity of northern hemisphere air temperatures and snow expansion to North Pacific sea surface temperatures in the Goddard Institute for Space Studies general circulation model. <i>Journal of Geophysical Research</i> , 1997, 102, 23781-23791.	3.3	35
115	ATMOSPHERIC SCIENCE: The Dust Settles on Water Vapor Feedback. <i>Science</i> , 2002, 296, 665-666.	6.0	35
116	Evaluating the Diurnal Cycle of Upper-Tropospheric Ice Clouds in Climate Models Using SMILES Observations. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1022-1044.	0.6	35
117	Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2813-2832.	1.9	34
118	Saturn's emitted power. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
119	An Improved Convective Ice Parameterization for the NASA GISS Global Climate Model and Impacts on Cloud Ice Simulation. <i>Journal of Climate</i> , 2017, 30, 317-336.	1.2	33
120	Characterization of Moist Processes Associated With Changes in the Propagation of the MJO With Increasing CO <sub>2</sub> . <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2946-2967.	1.3	32
121	Evaluation of Precipitation Simulated by Seven SCMs against the ARM Observations at the SGP Site*. <i>Journal of Climate</i> , 2013, 26, 5467-5492.	1.2	31
122	Gravity wave propagation in a diffusively separated atmosphere with heightâ€™dependent collision frequencies. <i>Journal of Geophysical Research</i> , 1979, 84, 4371-4378.	3.3	29
123	Constraints on Saturnâ€™s tropospheric general circulation from Cassini ISS images. <i>Icarus</i> , 2012, 219, 689-700.	1.1	29
124	Richardson number constraints for the Jupiter and outer planet wind regime. <i>Geophysical Research Letters</i> , 1995, 22, 2957-2960.	1.5	28
125	Vertical wind shear on Jupiter from Cassini images. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	28
126	Evaluation of the NASA GISS Single-Column Model Simulated Clouds Using Combined Surface and Satellite Observations. <i>Journal of Climate</i> , 2010, 23, 5175-5192.	1.2	27



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127	Enhanced Habitability on High Obliquity Bodies near the Outer Edge of the Habitable Zone of Sun-like Stars. <i>Astrophysical Journal</i> , 2019, 884, 138.	1.6	27
128	Observed and Simulated Temperature–Humidity Relationships: Sensitivity to Sampling and Analysis. <i>Journal of Climate</i> , 2002, 15, 203-215.	1.2	26
129	Analysis of cloud-resolving simulations of a tropical mesoscale convective system observed during TWP-ChrF: Vertical fluxes and draft properties in convective and stratiform regions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
130	Interactive nature of climate change and aerosol forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3457-3480.	1.2	25
131	Cloud Images from the Pioneer Venus Orbiter. <i>Science</i> , 1979, 205, 74-76.	6.0	24
132	Sensitivity of a Global Climate Model to the Specification of Convective Updraft and Downdraft Mass Fluxes. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 2641-2668.	0.6	24
133	Zero Potential Vorticity Envelopes for the Zonal-Mean Velocity of the Venus/Titan Atmospheres. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 694-702.	0.6	24
134	Evaluation of regional cloud feedbacks using single-column models. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	23
135	Climates of Warm Earth-like Planets. II. Rotational “Goldilocks” Zones for Fractional Habitability and Silicate Weathering. <i>Astrophysical Journal</i> , 2019, 875, 79.	1.6	23
136	Effects of Cumulus Entrainment and Multiple Cloud Types on a January Global Climate Model Simulation. <i>Journal of Climate</i> , 1989, 2, 850-863.	1.2	22
137	Radiative and Microphysical Characteristics of Deep Convective Systems in the Tropical Western Pacific. <i>Journal of Applied Meteorology and Climatology</i> , 2003, 42, 1234-1254.	1.7	22
138	Venus atmosphere dynamics: A continuing enigma. <i>Geophysical Monograph Series</i> , 2007, , 101-120.	0.1	22
139	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. <i>Journal of Climate</i> , 2013, 26, 5827-5845.	1.2	22
140	Future Climate Change Under SSP Emission Scenarios With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	22
141	Characteristics of acoustic-gravity waves in a diffusively separated atmosphere. <i>Journal of Geophysical Research</i> , 1979, 84, 1865-1879.	3.3	21
142	Assessment of NASA GISS CMIP5 and Post-CMIP5 Simulated Clouds and TOA Radiation Budgets Using Satellite Observations. Part II: TOA Radiation Budget and CREs. <i>Journal of Climate</i> , 2015, 28, 1842-1864.	1.2	21
143	Effects of wave-induced diffusion on thermospheric acoustic-gravity waves. <i>Geophysical Research Letters</i> , 1978, 5, 265-267.	1.5	20
144	Unforced decadal fluctuations in a coupled model of the atmosphere and ocean mixed layer. <i>Journal of Geophysical Research</i> , 1992, 97, 7341-7354.	3.3	20

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145	Evaluating the impacts of carbonaceous aerosols on clouds and climate. , 0, , 34-48.		20
146	Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. <i>Astrophysical Journal</i> , 2019, 884, 75.	1.6	18
147	The Cumulus And Stratocumulus CloudSat-CALIPSO Dataset (CASCCAD). <i>Earth System Science Data</i> , 2019, 11, 1745-1764.	3.7	18
148	The Tropical Atmospheric El Niño Signal in Satellite Precipitation Data and a Global Climate Model. <i>Journal of Climate</i> , 2007, 20, 3580-3601.	1.2	17
149	Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
150	Equatorial winds on Saturn and the stratospheric oscillation. <i>Nature Geoscience</i> , 2011, 4, 750-752.	5.4	16
151	Tropical Cloud Feedbacks and Natural Variability of Climate. <i>Journal of Climate</i> , 1994, 7, 1388-1402.	1.2	14
152	3D Simulations of the Early Martian Hydrological Cycle Mediated by a H <sub>2</sub> CO <sub>2</sub> Greenhouse. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006825.	1.5	12
153	Acoustic-gravity waves in the thermosphere of Venus. <i>Icarus</i> , 1979, 39, 401-417.	1.1	11
154	Evaluation of Cloud Fraction Simulated by Seven SCMs against the ARM Observations at the SGP Site*. <i>Journal of Climate</i> , 2014, 27, 6698-6719.	1.2	10
155	Responses of Tropical Ocean Clouds and Precipitation to the Large-Scale Circulation: Atmospheric-Water-Budget-Related Phase Space and Dynamical Regimes. <i>Journal of Climate</i> , 2016, 29, 7127-7143.	1.2	10
156	Cloud scattering impact on thermal radiative transfer and global longwave radiation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 239, 106669.	1.1	10
157	Effects of Cloud Parameterization on the Simulation of Climate Changes in the GISS GCM. Part II: Sea Surface Temperature and Cloud Feedbacks. <i>Journal of Climate</i> , 2002, 15, 2491-2503.	1.2	10
158	A simple conceptual model of cirrus horizontal inhomogeneity and cloud fraction. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 149-171.	1.0	6
159	The Impact of ARM on Climate Modeling. <i>Meteorological Monographs</i> , 2016, 57, 26.1-26.16.	5.0	6
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