Anthony D Del Genio

List of Publications by Year
in descending order

173	17,388	13865 67	15266 126
papers	citations	h-index	g-index

192	192	192	12297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	3.2	832
2	Earth's Energy Imbalance: Confirmation and Implications. Science, 2005, 308, 1431-1435.	12.6	728
3	Intercomparison and interpretation of climate feedback processes in 19 atmospheric general circulation models. Journal of Geophysical Research, 1990, 95, 16601-16615.	3.3	722
4	Tropical Intraseasonal Variability in 14 IPCC AR4 Climate Models. Part I: Convective Signals. Journal of Climate, 2006, 19, 2665-2690.	3.2	664
5	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. Journal of Advances in Modeling Earth Systems, 2014, 6, 141-184.	3.8	597
6	Surface Observed Global Land Precipitation Variations during 1900â€“88. Journal of Climate, 1997, 10, 2943-2962.	3.2	551
7	Black carbon semi-direct effects on cloud cover: review and synthesis. Atmospheric Chemistry and Physics, 2010, 10, 7685-7696.	4.9	503
8	Cassini Imaging of Jupiter's Atmosphere, Satellites, and Rings. Science, 2003, 299, 1541-1547.	12.6	405
9	Imaging of Titan from the Cassini spacecraft. Nature, 2005, 434, 159-168.	27.8	390
10	A Prognostic Cloud Water Parameterization for Global Climate Models. Journal of Climate, 1996, 9, 270-304.	3.2	385
11	Cloud ice: A climate model challenge with signs and expectations of progress. Journal of Geophysical Research, 2009, 114, .	3.3	313
12	Cassini Imaging Science: Instrument Characteristics And Anticipated Scientific Investigations At Saturn. Space Science Reviews, 2004, 115, 363-497.	8.1	311
13	Cloud feedback in atmospheric general circulation models: An update. Journal of Geophysical Research, 1996, 101, 12791-12794.	3.3	257
14	Comparing clouds and their seasonal variations in 10 atmospheric general circulation models with satellite measurements. Journal of Geophysical Research, 2005, 110, .	3.3	250
15	GISSâ€E2.1: Configurations and Climatology. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002025.	3.8	234
16	Was Venus the first habitable world of our solar system?. Geophysical Research Letters, 2016, 43, 8376-8383.	4.0	233
17	Climate simulations for 1880â€“2003 with GISS modelE. Climate Dynamics, 2007, 29, 661-696.	3.8	227
18	Intercomparison of model simulations of mixedâ€phase clouds observed during the ARM Mixedâ€Phase Arctic Cloud Experiment. I: singleâ€layer cloud. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 979-1002.	2.7	224

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19	Evidence for Strengthening of the Tropical General Circulation in the 1990s. Science, 2002, 295, 838-841.	12.6	222
20	GCM Simulations of the Aerosol Indirect Effect: Sensitivity to Cloud Parameterization and Aerosol Burden. Journals of the Atmospheric Sciences, 2002, 59, 692-713.	1.7	215
21	Dangerous human-made interference with climate: a GISS modelE study. Atmospheric Chemistry and Physics, 2007, 7, 2287-2312.	4.9	211
22	Rapid and Extensive Surface Changes Near Titanâ€™s Equator: Evidence of April Showers. Science, 2011, 331, 1414-1417.	12.6	184
23	Cassini Imaging Science: Initial Results on Saturn's Rings and Small Satellites. Science, 2005, 307, 1226-1236.	12.6	183
24	Interpretation of Snow-Climate Feedback as Produced by 17 General Circulation Models. Science, 1991, 253, 888-892.	12.6	171
25	The MJO Transition from Shallow to Deep Convection inCloudSat/CALIPSO Data and GISS GCM Simulations. Journal of Climate, 2012, 25, 3755-3770.	3.2	171
26	Clouds, precipitation and temperature range. Nature, 1997, 386, 665-666.	27.8	169
27	Cassini Imaging Science: Initial Results on Phoebe and Iapetus. Science, 2005, 307, 1237-1242.	12.6	169
28	Behavior of Deep Convective Clouds in the Tropical Pacific Deduced from ISCCP Radiances. Journal of Climate, 1990, 3, 1129-1152.	3.2	160
29	Cloud morphology and motions from Pioneer Venus images. Journal of Geophysical Research, 1980, 85, 8107-8128.	3.3	159
30	Will moist convection be stronger in a warmer climate?. Geophysical Research Letters, 2007, 34, .	4.0	157
31	The Tropical Subseasonal Variability Simulated in the NASA GISS General Circulation Model. Journal of Climate, 2012, 25, 4641-4659.	3.2	148
32	Improving High-Resolution Weather Forecasts Using the Weather Research and Forecasting (WRF) Model with an Updated Kainâ€“Fritsch Scheme. Monthly Weather Review, 2016, 144, 833-860.	1.4	147
33	Distinguishing Aerosol Impacts on Climate over the Past Century. Journal of Climate, 2009, 22, 2659-2677.	3.2	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. Journal of Advances in Modeling Earth Systems, 2013, 5, 826-842.	3.8	140
35	Exoplanet Biosignatures: A Framework for Their Assessment. Astrobiology, 2018, 18, 709-738.	3.0	139
36	Deep Convective System Evolution over Africa and the Tropical Atlantic. Journal of Climate, 2007, 20, 5041-5060.	3.2	138

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37	Synoptically Driven Arctic Winter States. Journal of Climate, 2011, 24, 1747-1762.	3.2	132
38	Planetary-Scale Waves and the Cyclic Nature of Cloud Top Dynamics on Venus. Journals of the Atmospheric Sciences, 1990, 47, 293-318.	1.7	128
39	The Role of Entrainment in the Diurnal Cycle of Continental Convection. Journal of Climate, 2010, 23, 2722-2738.	3.2	127
40	Impact of space weather on climate and habitability of terrestrial-type exoplanets. International Journal of Astrobiology, 2020, 19, 136-194.	1.6	125
41	Cloud-Tracked Winds fromPioneer VenusOCPP Images. Journals of the Atmospheric Sciences, 1990, 47, 2053-2084.	1.7	121
42	Intercomparison and evaluation of cumulus parametrizations under summertime midlatitude continental conditions. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 1095-1135.	2.7	119
43	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. Journal of Climate, 2014, 27, 2109-2124.	3.2	116
44	Future climate change under RCP emission scenarios with GISS <scp>M</scp>odelE2. Journal of Advances in Modeling Earth Systems, 2015, 7, 244-267.	3.8	112
45	Cassini Imaging Science: Initial Results on Saturn's Atmosphere. Science, 2005, 307, 1243-1247.	12.6	107
46	Factors Limiting Convective Cloud-Top Height at the ARM Nauru Island Climate Research Facility. Journal of Climate, 2006, 19, 2105-2117.	3.2	107
47	Equatorial Superrotation in a Slowly Rotating GCM: Implications for Titan and Venus. Icarus, 1993, 101, 1-17.	2.5	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. Astrophysical Journal, Supplement Series, 2017, 231, 12.	7.7	106
49	Interaction between eddies and mean flow in Jupiter's atmosphere: Analysis of Cassini imaging data. Icarus, 2006, 185, 430-442.	2.5	104
50	Cloud Patterns, Waves and Convection in the Venus Atmosphere. Journals of the Atmospheric Sciences, 1976, 33, 1394-1417.	1.7	101
51	Venusian Habitable Climate Scenarios: Modeling Venus Through Time and Applications to Slowly Rotating Venusâ€Like Exoplanets. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006276.	3.6	101
52	Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data. Nature, 1992, 358, 394-394.	27.8	98
53	Climatic Properties of Tropical Precipitating Convection under Varying Environmental Conditions. Journal of Climate, 2002, 15, 2597-2615.	3.2	98
54	Coupled Aerosol-Chemistryâ€“Climate Twentieth-Century Transient Model Investigation: Trends in Short-Lived Species and Climate Responses. Journal of Climate, 2011, 24, 2693-2714.	3.2	98

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55	Cumulus Microphysics and Climate Sensitivity. Journal of Climate, 2005, 18, 2376-2387.	3.2	96
56	Diagnosis of regimeâ€dependent cloud simulation errors in CMIP5 models using â€œAâ€Trainâ€•satellite observations and reanalysis data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2762-2780.	3.3	90
57	Influence of Ocean Surface Conditions on Atmospheric Vertical Thermodynamic Structure and Deep Convection. Journal of Climate, 1994, 7, 1092-1108.	3.2	85
58	Intercomparison of model simulations of mixedâ€phase clouds observed during the ARM Mixedâ€Phase Arctic Cloud Experiment. II: Multilayer cloud. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1003-1019.	2.7	84
59	Cassini imaging of Saturn: Southern hemisphere winds and vortices. Journal of Geophysical Research, 2006, 111, .	3.3	83
60	Intercomparison and interpretation of surface energy fluxes in atmospheric general circulation models. Journal of Geophysical Research, 1992, 97, 3711-3724.	3.3	81
61	Uncertainties in Carbon Dioxide Radiative Forcing in Atmospheric General Circulation Models. Science, 1993, 262, 1252-1255.	12.6	81
62	Simulations of Superrotation on Slowly Rotating Planets: Sensitivity to Rotation and Initial Condition. Icarus, 1996, 120, 332-343.	2.5	81
63	Composite Analysis of Winter Cyclones in a GCM: Influence on Climatological Humidity. Journal of Climate, 2006, 19, 1652-1672.	3.2	81
64	Representing the Sensitivity of Convective Cloud Systems to Tropospheric Humidity in General Circulation Models. Surveys in Geophysics, 2012, 33, 637-656.	4.6	80
65	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. Astrobiology, 2019, 19, 99-125.	3.0	80
66	Lightning on Jupiter observed in the line by the Cassini imaging science subsystem. Icarus, 2004, 172, 24-36.	2.5	76
67	Seasonal changes in Titan's meteorology. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	76
68	Cloud Vertical Distribution across Warm and Cold Fronts in CloudSatâ€“CALIPSO Data and a General Circulation Model. Journal of Climate, 2010, 23, 3397-3415.	3.2	72
69	Simulations of the effect of a warmer climate on atmospheric humidity. Nature, 1991, 351, 382-385.	27.8	71
70	Constraints on Cumulus Parameterization from Simulations of Observed MJO Events. Journal of Climate, 2015, 28, 6419-6442.	3.2	71
71	Lightning storms on Saturn observed by Cassini ISS and RPWS during 2004â€“2006. Icarus, 2007, 190, 545-555.	2.5	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. Journal of Geophysical Research, 2005, 110, .	3.3	66

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73	Evaluation of tropical cloud regimes in observations and a general circulation model. Climate Dynamics, 2009, 32, 355-369.	3.8	66
74	Is Precipitation a Good Metric for Model Performance?. Bulletin of the American Meteorological Society, 2019, 100, 223-233.	3.3	64
75	The Spatiotemporal Structure of Twentieth-Century Climate Variations in Observations and Reanalyses. Part II: Pacific Pan-Decadal Variability. Journal of Climate, 2008, 21, 2634-2650.	3.2	62
76	The Spatiotemporal Structure of Twentieth-Century Climate Variations in Observations and Reanalyses. Part I: Long-Term Trend. Journal of Climate, 2008, 21, 2611-2633.	3.2	62
77	CAPE Variations in the Current Climate and in a Climate Change. Journal of Climate, 1998, 11, 1997-2015.	3.2	61
78	Climates of Warm Earth-like Planets. I. 3D Model Simulations. Astrophysical Journal, Supplement Series, 2018, 239, 24.	7.7	61
79	Role of Longwave Cloudâ€“Radiation Feedback in the Simulation of the Maddenâ€“Julian Oscillation. Journal of Climate, 2015, 28, 6979-6994.	3.2	59
80	Analysis of snow feedbacks in 14 general circulation models. Journal of Geophysical Research, 1994, 99, 20757.	3.3	58
81	Effects of Cloud Parameterization on the Simulation of Climate Changes in the GISS GCM. Journal of Climate, 1999, 12, 761-779.	3.2	58
82	Saturn eddy momentum fluxes and convection: First estimates from Cassini images. Icarus, 2007, 189, 479-492.	2.5	58
83	Life cycles of spots on Jupiter from Cassini images. Icarus, 2004, 172, 9-23.	2.5	56
84	Analyzing signatures of aerosolâ€cloud interactions from satellite retrievals and the GISS GCM to constrain the aerosol indirect effect. Journal of Geophysical Research, 2008, 113, .	3.3	56
85	The Temperature Dependence of the Liquid Water Path of Low Clouds in the Southern Great Plains. Journal of Climate, 2000, 13, 3465-3486.	3.2	55
86	NIR-driven Moist Upper Atmospheres of Synchronously Rotating Temperate Terrestrial Exoplanets. Astrophysical Journal, 2017, 848, 100.	4.5	53
87	Clouds and sulfate are anticorrelated: A new diagnostic for global sulfur models. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	52
88	TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI): motivations and protocol version 1.0. Geoscientific Model Development, 2020, 13, 707-716.	3.6	52
89	Implementation of Subgrid Cloud Vertical Structure inside a GCM and Its Effect on the Radiation Budget. Journal of Climate, 1997, 10, 273-287.	3.2	51
90	Modeling springtime shallow frontal clouds with cloud-resolving and single-column models. Journal of Geophysical Research, 2005, 110, .	3.3	51

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91	Characteristics of Mesoscale Organization in WRF Simulations of Convection during TWP-ICE. Journal of Climate, 2012, 25, 5666-5688.	3.2	51
92	Dynamics of Saturn's South Polar Vortex. Science, 2008, 319, 1801-1801.	12.6	50
93	Saturn's south polar vortex compared to other large vortices in the Solar System. Icarus, 2009, 202, 240-248.	2.5	50
94	Ongoing Breakthroughs in Convective Parameterization. Current Climate Change Reports, 2019, 5, 95-111.	8.6	50
95	CMIP6 Historical Simulations (1850â€“2014) With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2021, 13, e2019MS002034.	3.8	49
96	Evaluating aerosol/cloud/radiation process parameterizations with single-column models and Second Aerosol Characterization Experiment (ACE-2) cloudy column observations. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	47
97	Impact of Dynamics and Atmospheric State on Cloud Vertical Overlap. Journal of Climate, 2008, 21, 1758-1770.	3.2	47
98	Titan's Meteorology Over the Cassini Mission: Evidence for Extensive Subsurface Methane Reservoirs. Geophysical Research Letters, 2018, 45, 5320-5328.	4.0	47
99	Observational constraint on cloud feedbacks suggests moderate climate sensitivity. Nature Climate Change, 2021, 11, 213-218.	18.8	47
100	WRF and GISS SCM simulations of convective updraft properties during TWPâ€ICE. Journal of Geophysical Research, 2009, 114, .	3.3	45
101	The Relationship between Boundary Layer Stability and Cloud Cover in the Post-Cold-Frontal Region. Journal of Climate, 2016, 29, 8129-8149.	3.2	45
102	A Comparative Study of Rapidly and Slowly Rotating Dynamical Regimes in a Terrestrial General Circulation Model. Journals of the Atmospheric Sciences, 1987, 44, 973-986.	1.7	44
103	Moist convection and the vertical structure and water abundance of Jupiter's atmosphere. Icarus, 1990, 84, 29-53.	2.5	44
104	Changes in the structure and propagation of the <scp>M</scp>JO with increasing <scp>C</scp>O₂. Journal of Advances in Modeling Earth Systems, 2017, 9, 1251-1268.	3.8	44
105	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. Journal of Climate, 2020, 33, 4463-4487.	3.2	42
106	Temporal variability of ultraviolet cloud features in the Venus stratosphere. Icarus, 1982, 51, 391-415.	2.5	41
107	Climatic implications of the seasonal variation of upper troposphere water vapor. Geophysical Research Letters, 1994, 21, 2701-2704.	4.0	41
108	Comparison of the seasonal change in cloud-radiative forcing from atmospheric general circulation models and satellite observations. Journal of Geophysical Research, 1997, 102, 16593-16603.	3.3	41

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109	Observational Constraints on the Cloud Thermodynamic Phase in Midlatitude Storms. Journal of Climate, 2006, 19, 5273-5288.	3.2	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. Journal of Climate, 2014, 27, 4189-4208.	3.2	39
111	Cloudâ€radiative driving of the Maddenâ€Julian oscillation as seen by the Aâ€Train. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5344-5356.	3.3	38
112	Saturn Atmospheric Structure and Dynamics. , 2009, , 113-159.		38
113	Relationships between lightning and properties of convective cloud clusters. Geophysical Research Letters, 2007, 34, .	4.0	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. Journal of Geophysical Research, 1997, 102, 23781-23791.	3.3	35
115	ATMOSPHERIC SCIENCE: The Dust Settles on Water Vapor Feedback. Science, 2002, 296, 665-666.	12.6	35
116	Evaluating the Diurnal Cycle of Upper-Tropospheric Ice Clouds in Climate Models Using SMILES Observations. Journals of the Atmospheric Sciences, 2015, 72, 1022-1044.	1.7	35
117	Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. Atmospheric Chemistry and Physics, 2019, 19, 2813-2832.	4.9	34
118	Saturn's emitted power. Journal of Geophysical Research, 2010, 115, .	3.3	33
119	An Improved Convective Ice Parameterization for the NASA GISS Global Climate Model and Impacts on Cloud Ice Simulation. Journal of Climate, 2017, 30, 317-336.	3.2	33
120	Characterization of Moist Processes Associated With Changes in the Propagation of the MJO With Increasing CO₂. Journal of Advances in Modeling Earth Systems, 2017, 9, 2946-2967.	3.8	32
121	Evaluation of Precipitation Simulated by Seven SCMs against the ARM Observations at the SGP Site*. Journal of Climate, 2013, 26, 5467-5492.	3.2	31
122	Gravity wave propagation in a diffusively separated atmosphere with heightâ€dependent collision frequencies. Journal of Geophysical Research, 1979, 84, 4371-4378.	3.3	29
123	Constraints on Saturnâ€™s tropospheric general circulation from Cassini ISS images. Icarus, 2012, 219, 689-700.	2.5	29
124	Richardson number constraints for the Jupiter and outer planet wind regime. Geophysical Research Letters, 1995, 22, 2957-2960.	4.0	28
125	Vertical wind shear on Jupiter from Cassini images. Journal of Geophysical Research, 2006, 111, .	3.3	28
126	Evaluation of the NASA GISS Single-Column Model Simulated Clouds Using Combined Surface and Satellite Observations. Journal of Climate, 2010, 23, 5175-5192.	3.2	27

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127	Enhanced Habitability on High Obliquity Bodies near the Outer Edge of the Habitable Zone of Sun-like Stars. Astrophysical Journal, 2019, 884, 138.	4.5	27
128	Observed and Simulated Temperatureâ€“Humidity Relationships: Sensitivity to Sampling and Analysis. Journal of Climate, 2002, 15, 203-215.	3.2	26
129	Analysis of cloudâ€resolving simulations of a tropical mesoscale convective system observed during TWPâ€ICE: Vertical fluxes and draft properties in convective and stratiform regions. Journal of Geophysical Research, 2012, 117, .	3.3	26
130	Interactive nature of climate change and aerosol forcing. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3457-3480.	3.3	25
131	Cloud Images from the Pioneer Venus Orbiter. Science, 1979, 205, 74-76.	12.6	24
132	Sensitivity of a Global Climate Model to the Specification of Convective Updraft and Downdraft Mass Fluxes. Journals of the Atmospheric Sciences, 1988, 45, 2641-2668.	1.7	24
133	Zero Potential Vorticity Envelopes for the Zonal-Mean Velocity of the Venus/Titan Atmospheres. Journals of the Atmospheric Sciences, 1994, 51, 694-702.	1.7	24
134	Evaluation of regional cloud feedbacks using single-column models. Journal of Geophysical Research, 2005, 110, .	3.3	23
135	Climates of Warm Earth-like Planets. II. Rotational â€œGoldilocksâ€•Zones for Fractional Habitability and Silicate Weathering. Astrophysical Journal, 2019, 875, 79.	4.5	23
136	Effects of Cumulus Entrainment and Multiple Cloud Types on a January Global Climate Model Simulation. Journal of Climate, 1989, 2, 850-863.	3.2	22
137	Radiative and Microphysical Characteristics of Deep Convective Systems in the Tropical Western Pacific. Journal of Applied Meteorology and Climatology, 2003, 42, 1234-1254.	1.7	22
138	Venus atmosphere dynamics: A continuing enigma. Geophysical Monograph Series, 2007, , 101-120.	0.1	22
139	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. Journal of Climate, 2013, 26, 5827-5845.	3.2	22
140	Future Climate Change Under SSP Emission Scenarios With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	22
141	Characteristics of acousticâ€gravity waves in a diffusively separated atmosphere. Journal of Geophysical Research, 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. Journal of Climate, 2015, 28, 1842-1864.	3.2	21
143	Effects of waveâ€induced diffusion on thermospheric acousticâ€gravity waves. Geophysical Research Letters, 1978, 5, 265-267.	4.0	20
144	Unforced decadal fluctuations in a coupled model of the atmosphere and ocean mixed layer. Journal of Geophysical Research, 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. Astrophysical Journal, 2019, 884, 75.	4.5	18
147	The Cumulus And Stratocumulus CloudSat-CALIPSO Dataset (CASCCAD). Earth System Science Data, 2019, 11, 1745-1764.	9.9	18
148	The Tropical Atmospheric El NiÃ±o Signal in Satellite Precipitation Data and a Global Climate Model. Journal of Climate, 2007, 20, 3580-3601.	3.2	17
149	Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature. Journal of Geophysical Research, 2010, 115, .	3.3	16
150	Equatorial winds on Saturn and the stratosphericÂoscillation. Nature Geoscience, 2011, 4, 750-752.	12.9	16
151	Tropical Cloud Feedbacks and Natural Variability of Climate. Journal of Climate, 1994, 7, 1388-1402.	3.2	14
152	3D Simulations of the Early Martian Hydrological Cycle Mediated by a H₂â€CO₂Greenhouse. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006825.	3.6	12
153	Acoustic-gravity waves in the thermosphere of Venus. Icarus, 1979, 39, 401-417.	2.5	11
154	Evaluation of Cloud Fraction Simulated by Seven SCMs against the ARM Observations at the SGP Site*. Journal of Climate, 2014, 27, 6698-6719.	3.2	10
155	Responses of Tropical Ocean Clouds and Precipitation to the Large-Scale Circulation: Atmospheric-Water-Budget-Related Phase Space and Dynamical Regimes. Journal of Climate, 2016, 29, 7127-7143.	3.2	10
156	Cloud scattering impact on thermal radiative transfer and global longwave radiation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 239, 106669.	2.3	10
157	Effects of Cloud Parameterization on the Simulation of Climate Changes in the GISS GCM. Part II: Sea Surface Temperature and Cloud Feedbacks. Journal of Climate, 2002, 15, 2491-2503.	3.2	10
158	A simple conceptual model of cirrus horizontal inhomogeneity and cloud fraction. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 149-171.	2.7	6
159	The Impact of ARM on Climate Modeling. Meteorological Monographs, 2016, 57, 26.1-26.16.	5.0	6
160	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. Astrophysical Journal, 2019, 887, 197.	4.5	5
161	Effects of Spinâ€“Orbit Resonances and Tidal Heating on the Inner Edge of the Habitable Zone. Astrophysical Journal, 2021, 921, 25.	4.5	5
162	Tropopause and lower stratosphere winds and eddy fluxes on Saturn as seen by Cassini imaging. Icarus, 2021, 354, 114095.	2.5	4

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163	Introduction to special section on Toward Reducing Cloud-Climate Uncertainties in Atmospheric General Circulation Models. Journal of Geophysical Research, 2005, 110, .	3.3	3
164	An objective classification of Saturn cloud features from Cassini ISS images. Icarus, 2016, 271, 222-236.	2.5	3
165	A Simple Model for Tropical Convective Cloud Shield Area Growth and Decay Rates Informed by Geostationary IR, GPM, and Aqua/AIRS Satellite Data. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
166	A thermostat in the tropics?. Nature, 1993, 361, 412-412.	27.8	2
167	Convective and Large-Scale Cloud Processes in GCMS. , 1993, , 95-121.		2
168	Evolution of Tropical Cyclone Properties Across the Development Cycle of the GISSâ€E3 Global Climate Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	2
169	TRMM: The Tropical Rainfall Measuring Mission. , 1996, , 549-567.		1
170	Observational Requirements for Modeling of Global and Regional Climate Change. , 1996, , 31-57.		1
171	The Role of Remote Sensing Displays in Earth Climate and Planetary Atmospheric Research. , 2001, , .		0
172	The Role of Remote Sensing Displays in Earth Climate and Planetary Atmospheric Research. , 2019, , 207-234.		0
173	Anthony Del Genio: Climates of Planets Near and Far. Perspectives of Earth and Space Scientists, 2020, 1, e2019CN000109.	0.3	0