

Anthony D Del Genio

List of Publications by Year in descending order

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173
papers

17,388
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192
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192
docs citations

192
times ranked

12297
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Evolution of Tropical Cyclone Properties Across the Development Cycle of the GISS-Global Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, . | 1.3 | 2 |
| 2 | 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 |
| 3 | A Simple Model for Tropical Convective Cloud Shield Area Growth and Decay Rates Informed by Geostationary IR, GPM, and Aqua/AIRS Satellite Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 1.2 | 3 |
| 4 | Tropopause and lower stratosphere winds and eddy fluxes on Saturn as seen by Cassini imaging. <i>Icarus</i> , 2021, 354, 114095. | 1.1 | 4 |
| 5 | CMIP6 Historical Simulations (1850–2014) With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2019MS002034. | 1.3 | 49 |
| 6 | Observational constraint on cloud feedbacks suggests moderate climate sensitivity. <i>Nature Climate Change</i> , 2021, 11, 213-218. | 8.1 | 47 |
| 7 | 3D Simulations of the Early Martian Hydrological Cycle Mediated by a H_2 Greenhouse. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006825. | 1.5 | 12 |
| 8 | Effects of Spin-Orbit Resonances and Tidal Heating on the Inner Edge of the Habitable Zone. <i>Astrophysical Journal</i> , 2021, 921, 25. | 1.6 | 5 |
| 9 | 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 |
| 10 | GISS-E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002025. | 1.3 | 234 |
| 11 | 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 |
| 12 | Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. <i>Journal of Climate</i> , 2020, 33, 4463-4487. | 1.2 | 42 |
| 13 | TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI): motivations and protocol version 1.0. <i>Geoscientific Model Development</i> , 2020, 13, 707-716. | 1.3 | 52 |
| 14 | Anthony Del Genio: Climates of Planets Near and Far. <i>Perspectives of Earth and Space Scientists</i> , 2020, 1, e2019CN000109. | 0.2 | 0 |
| 15 | 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 |
| 16 | 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 |
| 17 | Ongoing Breakthroughs in Convective Parameterization. <i>Current Climate Change Reports</i> , 2019, 5, 95-111. | 2.8 | 50 |
| 18 | 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 |

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| 19 | Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. Atmospheric Chemistry and Physics, 2019, 19, 2813-2832. | 1.9 | 34 |
| 20 | Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. Astrophysical Journal, 2019, 884, 75. | 1.6 | 18 |
| 21 | Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. Astrophysical Journal, 2019, 887, 197. | 1.6 | 5 |
| 22 | Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. Astrobiology, 2019, 19, 99-125. | 1.5 | 80 |
| 23 | Is Precipitation a Good Metric for Model Performance?. Bulletin of the American Meteorological Society, 2019, 100, 223-233. | 1.7 | 64 |
| 24 | The Cumulus And Stratocumulus CloudSat-CALIPSO Dataset (CASCCAD). Earth System Science Data, 2019, 11, 1745-1764. | 3.7 | 18 |
| 25 | The Role of Remote Sensing Displays in Earth Climate and Planetary Atmospheric Research. , 2019, , 207-234. | | 0 |
| 26 | Exoplanet Biosignatures: A Framework for Their Assessment. Astrobiology, 2018, 18, 709-738. | 1.5 | 139 |
| 27 | Climates of Warm Earth-like Planets. I. 3D Model Simulations. Astrophysical Journal, Supplement Series, 2018, 239, 24. | 3.0 | 61 |
| 28 | Titan's Meteorology Over the Cassini Mission: Evidence for Extensive Subsurface Methane Reservoirs. Geophysical Research Letters, 2018, 45, 5320-5328. | 1.5 | 47 |
| 29 | Interactive nature of climate change and aerosol forcing. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3457-3480. | 1.2 | 25 |
| 30 | 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. | 1.2 | 33 |
| 31 | NIR-driven Moist Upper Atmospheres of Synchronously Rotating Temperate Terrestrial Exoplanets. Astrophysical Journal, 2017, 848, 100. | 1.6 | 53 |
| 32 | 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. | 3.0 | 106 |
| 33 | Changes in the structure and propagation of the MJO with increasing CO ₂ . Journal of Advances in Modeling Earth Systems, 2017, 9, 1251-1268. | 1.3 | 44 |
| 34 | Characterization of Moist Processes Associated With Changes in the Propagation of the MJO With Increasing CO ₂ . Journal of Advances in Modeling Earth Systems, 2017, 9, 2946-2967. | 1.3 | 32 |
| 35 | The Impact of ARM on Climate Modeling. Meteorological Monographs, 2016, 57, 26.1-26.16. | 5.0 | 6 |
| 36 | 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. | 1.2 | 10 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | An objective classification of Saturn cloud features from Cassini ISS images. <i>Icarus</i> , 2016, 271, 222-236. | 1.1 | 3 |
| 38 | Was Venus the first habitable world of our solar system?. <i>Geophysical Research Letters</i> , 2016, 43, 8376-8383. | 1.5 | 233 |
| 39 | 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 |
| 40 | 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 |
| 41 | Constraints on Cumulus Parameterization from Simulations of Observed MJO Events. <i>Journal of Climate</i> , 2015, 28, 6419-6442. | 1.2 | 71 |
| 42 | Cloud-radiative driving of the Madden-Julian oscillation as seen by the A-Train. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5344-5356. | 1.2 | 38 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Role of Longwave Cloud-Radiation Feedback in the Simulation of the Madden-Julian Oscillation. <i>Journal of Climate</i> , 2015, 28, 6979-6994. | 1.2 | 59 |
| 47 | 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 |
| 48 | Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. <i>Journal of Climate</i> , 2014, 27, 2109-2124. | 1.2 | 116 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Diagnosis of regime-dependent cloud simulation errors in CMIP5 models using A-Train satellite observations and reanalysis data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2762-2780. | 1.2 | 90 |

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| 55 | Characteristics of Mesoscale Organization in WRF Simulations of Convection during TWP-ICE. <i>Journal of Climate</i> , 2012, 25, 5666-5688. | 1.2 | 51 |
| 56 | 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 |
| 57 | The Tropical Subseasonal Variability Simulated in the NASA GISS General Circulation Model. <i>Journal of Climate</i> , 2012, 25, 4641-4659. | 1.2 | 148 |
| 58 | Analysis of cloud-resolving simulations of a tropical mesoscale convective system observed during TWP-ICE: Vertical fluxes and draft properties in convective and stratiform regions. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 26 |
| 59 | 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 |
| 60 | Constraints on Saturn's tropospheric general circulation from Cassini ISS images. <i>Icarus</i> , 2012, 219, 689-700. | 1.1 | 29 |
| 61 | Seasonal changes in Titan's meteorology. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 1.5 | 76 |
| 62 | Rapid and Extensive Surface Changes Near Titan's Equator: Evidence of April Showers. <i>Science</i> , 2011, 331, 1414-1417. | 6.0 | 184 |
| 63 | Equatorial winds on Saturn and the stratospheric oscillation. <i>Nature Geoscience</i> , 2011, 4, 750-752. | 5.4 | 16 |
| 64 | Synoptically Driven Arctic Winter States. <i>Journal of Climate</i> , 2011, 24, 1747-1762. | 1.2 | 132 |
| 65 | 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 |
| 66 | Black carbon semi-direct effects on cloud cover: review and synthesis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7685-7696. | 1.9 | 503 |
| 67 | The Role of Entrainment in the Diurnal Cycle of Continental Convection. <i>Journal of Climate</i> , 2010, 23, 2722-2738. | 1.2 | 127 |
| 68 | 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 |
| 69 | 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 |
| 70 | Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 16 |
| 71 | Saturn's emitted power. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 33 |
| 72 | Evaluation of tropical cloud regimes in observations and a general circulation model. <i>Climate Dynamics</i> , 2009, 32, 355-369. | 1.7 | 66 |

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| 73 | Intercomparison of model simulations of mixed-phase clouds observed during the ARM Mixed-Phase Arctic Cloud Experiment. II: Multilayer cloud. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1003-1019. | 1.0 | 84 |
| 74 | Intercomparison of model simulations of mixed-phase clouds observed during the ARM Mixed-Phase Arctic Cloud Experiment. I: single-layer cloud. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 979-1002. | 1.0 | 224 |
| 75 | Saturn's south polar vortex compared to other large vortices in the Solar System. Icarus, 2009, 202, 240-248. | 1.1 | 50 |
| 76 | Cloud ice: A climate model challenge with signs and expectations of progress. Journal of Geophysical Research, 2009, 114, . | 3.3 | 313 |
| 77 | WRF and GISS SCM simulations of convective updraft properties during TWP-ICE. Journal of Geophysical Research, 2009, 114, . | 3.3 | 45 |
| 78 | Distinguishing Aerosol Impacts on Climate over the Past Century. Journal of Climate, 2009, 22, 2659-2677. | 1.2 | 140 |
| 79 | Saturn Atmospheric Structure and Dynamics. , 2009, , 113-159. | | 38 |
| 80 | Analyzing signatures of aerosol-cloud interactions from satellite retrievals and the GISS GCM to constrain the aerosol indirect effect. Journal of Geophysical Research, 2008, 113, . | 3.3 | 56 |
| 81 | Dynamics of Saturn's South Polar Vortex. Science, 2008, 319, 1801-1801. | 6.0 | 50 |
| 82 | 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. | 1.2 | 62 |
| 83 | The Spatiotemporal Structure of Twentieth-Century Climate Variations in Observations and Reanalyses. Part I: Long-Term Trend. Journal of Climate, 2008, 21, 2611-2633. | 1.2 | 62 |
| 84 | Impact of Dynamics and Atmospheric State on Cloud Vertical Overlap. Journal of Climate, 2008, 21, 1758-1770. | 1.2 | 47 |
| 85 | Deep Convective System Evolution over Africa and the Tropical Atlantic. Journal of Climate, 2007, 20, 5041-5060. | 1.2 | 138 |
| 86 | The Tropical Atmospheric El Niño Signal in Satellite Precipitation Data and a Global Climate Model. Journal of Climate, 2007, 20, 3580-3601. | 1.2 | 17 |
| 87 | Dangerous human-made interference with climate: a GISS modelE study. Atmospheric Chemistry and Physics, 2007, 7, 2287-2312. | 1.9 | 211 |
| 88 | Venus atmosphere dynamics: A continuing enigma. Geophysical Monograph Series, 2007, , 101-120. | 0.1 | 22 |
| 89 | Relationships between lightning and properties of convective cloud clusters. Geophysical Research Letters, 2007, 34, . | 1.5 | 37 |
| 90 | Will moist convection be stronger in a warmer climate?. Geophysical Research Letters, 2007, 34, . | 1.5 | 157 |

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| 91 | Lightning storms on Saturn observed by Cassini ISS and RPWS during 2004â€“2006. <i>Icarus</i> , 2007, 190, 545-555. | 1.1 | 67 |
| 92 | Climate simulations for 1880â€“2003 with GISS modelE. <i>Climate Dynamics</i> , 2007, 29, 661-696. | 1.7 | 227 |
| 93 | Saturn eddy momentum fluxes and convection: First estimates from Cassini images. <i>Icarus</i> , 2007, 189, 479-492. | 1.1 | 58 |
| 94 | Observational Constraints on the Cloud Thermodynamic Phase in Midlatitude Storms. <i>Journal of Climate</i> , 2006, 19, 5273-5288. | 1.2 | 41 |
| 95 | Vertical wind shear on Jupiter from Cassini images. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 28 |
| 96 | Cassini imaging of Saturn: Southern hemisphere winds and vortices. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 83 |
| 97 | 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 |
| 98 | Composite Analysis of Winter Cyclones in a GCM: Influence on Climatological Humidity. <i>Journal of Climate</i> , 2006, 19, 1652-1672. | 1.2 | 81 |
| 99 | 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 |
| 100 | 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 |
| 101 | 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 |
| 102 | Cumulus Microphysics and Climate Sensitivity. <i>Journal of Climate</i> , 2005, 18, 2376-2387. | 1.2 | 96 |
| 103 | Imaging of Titan from the Cassini spacecraft. <i>Nature</i> , 2005, 434, 159-168. | 13.7 | 390 |
| 104 | Cassini Imaging Science: Initial Results on Saturn's Rings and Small Satellites. <i>Science</i> , 2005, 307, 1226-1236. | 6.0 | 183 |
| 105 | Earth's Energy Imbalance: Confirmation and Implications. <i>Science</i> , 2005, 308, 1431-1435. | 6.0 | 728 |
| 106 | Cassini Imaging Science: Initial Results on Saturn's Atmosphere. <i>Science</i> , 2005, 307, 1243-1247. | 6.0 | 107 |
| 107 | Cassini Imaging Science: Initial Results on Phoebe and Iapetus. <i>Science</i> , 2005, 307, 1237-1242. | 6.0 | 169 |
| 108 | Evaluation of regional cloud feedbacks using single-column models. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 23 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | 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 |
| 110 | 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 |
| 111 | Modeling springtime shallow frontal clouds with cloud-resolving and single-column models. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 51 |
| 112 | Introduction to special section on Toward Reducing Cloud-Climate Uncertainties in Atmospheric General Circulation Models. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 3 |
| 113 | Lightning on Jupiter observed in the line by the Cassini imaging science subsystem. <i>Icarus</i> , 2004, 172, 24-36. | 1.1 | 76 |
| 114 | Cassini Imaging Science: Instrument Characteristics And Anticipated Scientific Investigations At Saturn. <i>Space Science Reviews</i> , 2004, 115, 363-497. | 3.7 | 311 |
| 115 | Life cycles of spots on Jupiter from Cassini images. <i>Icarus</i> , 2004, 172, 9-23. | 1.1 | 56 |
| 116 | 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 |
| 117 | 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 |
| 118 | Cassini Imaging of Jupiter's Atmosphere, Satellites, and Rings. <i>Science</i> , 2003, 299, 1541-1547. | 6.0 | 405 |
| 119 | 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 |
| 120 | Evidence for Strengthening of the Tropical General Circulation in the 1990s. <i>Science</i> , 2002, 295, 838-841. | 6.0 | 222 |
| 121 | ATMOSPHERIC SCIENCE: The Dust Settles on Water Vapor Feedback. <i>Science</i> , 2002, 296, 665-666. | 6.0 | 35 |
| 122 | Climatic Properties of Tropical Precipitating Convection under Varying Environmental Conditions. <i>Journal of Climate</i> , 2002, 15, 2597-2615. | 1.2 | 98 |
| 123 | Observed and Simulated Temperature-Humidity Relationships: Sensitivity to Sampling and Analysis. <i>Journal of Climate</i> , 2002, 15, 203-215. | 1.2 | 26 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

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| 127 | 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. | 1.2 | 10 |
| 128 | The Role of Remote Sensing Displays in Earth Climate and Planetary Atmospheric Research. , 2001, , . | | 0 |
| 129 | The Temperature Dependence of the Liquid Water Path of Low Clouds in the Southern Great Plains. Journal of Climate, 2000, 13, 3465-3486. | 1.2 | 55 |
| 130 | Effects of Cloud Parameterization on the Simulation of Climate Changes in the GISS GCM. Journal of Climate, 1999, 12, 761-779. | 1.2 | 58 |
| 131 | CAPE Variations in the Current Climate and in a Climate Change. Journal of Climate, 1998, 11, 1997-2015. | 1.2 | 61 |
| 132 | Implementation of Subgrid Cloud Vertical Structure inside a GCM and Its Effect on the Radiation Budget. Journal of Climate, 1997, 10, 273-287. | 1.2 | 51 |
| 133 | Surface Observed Global Land Precipitation Variations during 1900â€“88. Journal of Climate, 1997, 10, 2943-2962. | 1.2 | 551 |
| 134 | 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 |
| 135 | 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 |
| 136 | Clouds, precipitation and temperature range. Nature, 1997, 386, 665-666. | 13.7 | 169 |
| 137 | Cloud feedback in atmospheric general circulation models: An update. Journal of Geophysical Research, 1996, 101, 12791-12794. | 3.3 | 257 |
| 138 | A Prognostic Cloud Water Parameterization for Global Climate Models. Journal of Climate, 1996, 9, 270-304. | 1.2 | 385 |
| 139 | Simulations of Superrotation on Slowly Rotating Planets: Sensitivity to Rotation and Initial Condition. Icarus, 1996, 120, 332-343. | 1.1 | 81 |
| 140 | TRMM: The Tropical Rainfall Measuring Mission. , 1996, , 549-567. | | 1 |
| 141 | Observational Requirements for Modeling of Global and Regional Climate Change. , 1996, , 31-57. | | 1 |
| 142 | Richardson number constraints for the Jupiter and outer planet wind regime. Geophysical Research Letters, 1995, 22, 2957-2960. | 1.5 | 28 |
| 143 | Climatic implications of the seasonal variation of upper troposphere water vapor. Geophysical Research Letters, 1994, 21, 2701-2704. | 1.5 | 41 |
| 144 | Analysis of snow feedbacks in 14 general circulation models. Journal of Geophysical Research, 1994, 99, 20757. | 3.3 | 58 |

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| 145 | Tropical Cloud Feedbacks and Natural Variability of Climate. <i>Journal of Climate</i> , 1994, 7, 1388-1402. | 1.2 | 14 |
| 146 | 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 |
| 147 | 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 |
| 148 | Equatorial Superrotation in a Slowly Rotating GCM: Implications for Titan and Venus. <i>Icarus</i> , 1993, 101, 1-17. | 1.1 | 106 |
| 149 | A thermostat in the tropics?. <i>Nature</i> , 1993, 361, 412-412. | 13.7 | 2 |
| 150 | Uncertainties in Carbon Dioxide Radiative Forcing in Atmospheric General Circulation Models. <i>Science</i> , 1993, 262, 1252-1255. | 6.0 | 81 |
| 151 | Convective and Large-Scale Cloud Processes in GCMS. , 1993, , 95-121. | | 2 |
| 152 | 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 |
| 153 | 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 |
| 154 | Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data. <i>Nature</i> , 1992, 358, 394-394. | 13.7 | 98 |
| 155 | Interpretation of Snow-Climate Feedback as Produced by 17 General Circulation Models. <i>Science</i> , 1991, 253, 888-892. | 6.0 | 171 |
| 156 | Simulations of the effect of a warmer climate on atmospheric humidity. <i>Nature</i> , 1991, 351, 382-385. | 13.7 | 71 |
| 157 | Cloud-Tracked Winds from Pioneer Venus OCPP Images. <i>Journals of the Atmospheric Sciences</i> , 1990, 47, 2053-2084. | 0.6 | 121 |
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