Patrick Minnis

List of Publications by Year
in descending order

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343 papers	21,987 citations	10373 72 h-index	12933 131 g-index
381 all docs	381 docs citations	381 times ranked	11436 citing authors

#	Article	IF	Citations
1	CERES MODIS Cloud Product Retrievals for Edition 4â€”Part I: Algorithm Changes. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2744-2780.	2.7	75
2	CERES MODIS Cloud Product Retrievals for Edition 4â€”Part II: Comparisons to CloudSat and CALIPSO. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3695-3724.	2.7	22
3	Subdiurnal to Interannual Frequency Analysis of Observed and Modeled Reflected Shortwave Radiation From Earth. Geophysical Research Letters, 2021, 48, e2020GL089221.	1.5	3
4	Stratiform Cloud-Hydrometeor Assimilation for HRRR and RAP Model Short-Range Weather Prediction. Monthly Weather Review, 2021, , .	0.5	3
5	Lagrange Point Missions: The Key to next Generation Integrated Earth Observations. DSCOVR Innovation. Frontiers in Remote Sensing, 2021, 2, .	1.3	2
6	Evaluation of satellite retrievals of liquid clouds from the GOES-13 imager and MODIS over the midlatitude North Atlantic during the NAAMES campaign. Atmospheric Measurement Techniques, 2021, 14, 6633-6646.	1.2	16
7	Determining the daytime Earth radiative flux from National Institute of Standards and Technology Advanced Radiometer (NISTAR) measurements. Atmospheric Measurement Techniques, 2020, 13, 429-443.	1.2	19
8	Reducing uncertainties in satellite estimates of aerosolâ€“cloud interactions over the subtropical ocean by integrating vertically resolved aerosol observations. Atmospheric Chemistry and Physics, 2020, 20, 7167-7177.	1.9	17
9	Global Cloud Detection for CERES Edition 4 Using Terra and Aqua MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9410-9449.	2.7	49
10	Evaluation of WRF-DART (ARW v3.9.1.1 and DART Manhattan release) multiphase cloud water path assimilation for short-term solar irradiance forecasting in a tropical environment. Geoscientific Model Development, 2019, 12, 3939-3954.	1.3	4
11	Observations and hypotheses related to low to middle free tropospheric aerosol, water vapor and altocumulus cloud layers within convective weather regimes: a SEAC⁴RS case study. Atmospheric Chemistry and Physics, 2019, 19, 11413-11442.	1.9	4
12	Northern Hemisphere contrail properties derived from Terra and Aqua MODIS data for 2006 and 2012. Atmospheric Chemistry and Physics, 2019, 19, 5313-5330.	1.9	9
13	Cloud System Evolution in the Trades (CSET): Following the Evolution of Boundary Layer Cloud Systems with the NSFâ€“NCAR GV. Bulletin of the American Meteorological Society, 2019, 100, 93-121.	1.7	49
14	A Review of High Impact Weather for Aviation Meteorology. Pure and Applied Geophysics, 2019, 176, 1869-1921.	0.8	162
15	An Efficient Method for Microphysical Property Retrievals in Vertically Inhomogeneous Marine Water Clouds Using MODISâ€CloudSat Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2174-2193.	1.2	11
16	Advances in neural network detection and retrieval of multilayer clouds for CERES using multispectral satellite data. , 2019, , .		6
17	Comparisons of Ice Water Path in Deep Convective Systems Among Groundâ€Based, GOES, and CERESâ€MODIS Retrievals. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1708-1723.	1.2	15
18	Comparison of Cloud Microphysics Schemes in a Warn-on-Forecast System Using Synthetic Satellite Objects. Weather and Forecasting, 2018, 33, 1681-1708.	0.5	20

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19	Quantifying errors in surface ozone predictions associated with clouds over the CONUS: a WRF-Chem modeling study using satellite cloud retrievals. Atmospheric Chemistry and Physics, 2018, 18, 7509-7525.	1.9	25
20	Determining the Shortwave Radiative Flux From Earth Polychromatic Imaging Camera. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,479.	1.2	20
21	Earthâ€™s Top-of-Atmosphere Radiation Budget. , 2018, , 67-84.		20
22	The Life Cycle of Anvil Clouds and the Top-of-Atmosphere Radiation Balance over the Tropical West Pacific. Journal of Climate, 2018, 31, 10059-10080.	1.2	28
23	Calibration Changes to Terra MODIS Collection-5 Radiances for CERES Edition 4 Cloud Retrievals. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6016-6032.	2.7	14
24	Object-Based Verification of a Prototype Warn-on-Forecast System. Weather and Forecasting, 2018, 33, 1225-1250.	0.5	77
25	Ultraclean Layers and Optically Thin Clouds in the Stratocumulus-to-Cumulus Transition. Part I: Observations. Journals of the Atmospheric Sciences, 2018, 75, 1631-1652.	0.6	46
26	Impact of Ice Cloud Microphysics on Satellite Cloud Retrievals and Broadband Flux Radiative Transfer Model Calculations. Journal of Climate, 2018, 31, 1851-1864.	1.2	36
27	A prototype method for diagnosing high ice water content probability using satellite imager data. Atmospheric Measurement Techniques, 2018, 11, 1615-1637.	1.2	24
28	Comparison of Daytime Lowâ€Level Cloud Properties Derived From GOES and ARM SGP Measurements. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8221-8237.	1.2	6
29	Groundâ€based High Spectral Resolution Lidar observation of aerosol vertical distribution in the summertime Southeast United States. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2970-3004.	1.2	35
30	Intercomparisons of marine boundary layer cloud properties from the ARM CAPâ€MBL campaign and two MODIS cloud products. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2351-2365.	1.2	16
31	Improved modeling of cloudyâ€sky actinic flux using satellite cloud retrievals. Geophysical Research Letters, 2017, 44, 1592-1600.	1.5	11
32	Quantifying the Dependence of Satellite Cloud Retrievals on Instrument Uncertainty. Journal of Climate, 2017, 30, 6959-6976.	1.2	9
33	Spectral unfiltering of ERBE WFOV nonscanner shortwave observations and revisiting its radiation dataset from 1985 to 1998. AIP Conference Proceedings, 2017, , .	0.3	2
34	Properties of individual contrails: a compilation of observations and some comparisons. Atmospheric Chemistry and Physics, 2017, 17, 403-438.	1.9	45
35	Entrainment rate diurnal cycle in marine stratiform clouds estimated from geostationary satellite retrievals and a meteorological forecast model. Geophysical Research Letters, 2017, 44, 7482-7489.	1.5	6
36	Aerosol and cloud microphysics covariability in the northeast Pacific boundary layer estimated with shipâ€based and satellite remote sensing observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2403-2418.	1.2	15

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37	Consistent radiometric scaling of the multi-temporal AVHRR satellite record. , 2017, , .		0
38	Global clear-sky surface skin temperature from multiple satellites using a single-channel algorithm with angular anisotropy corrections. Atmospheric Measurement Techniques, 2017, 10, 351-371.	1.2	6
39	Effects of environment forcing on marine boundary layer cloudâ€drizzle processes. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4463-4478.	1.2	15
40	Detection of single and multilayer clouds in an artificial neural network approach. , 2017, , .		2
41	Development of multi-sensor global cloud and radiance composites for earth radiation budget monitoring from DSCOVR. , 2017, , .		8
42	State of the Climate in 2016. Bulletin of the American Meteorological Society, 2017, 98, Si-S280.	1.7	132
43	Utilizing the precessing orbit of TRMM to produce hourly corrections of geostationary infrared imager data with the VIRS sensor. , 2017, , .		1
44	A Consistent AVHRR Visible Calibration Record Based on Multiple Methods Applicable for the NOAA Degrading Orbits. Part II: Validation. Journal of Atmospheric and Oceanic Technology, 2016, 33, 2517-2534.	0.5	15
45	A radiation closure study of Arctic stratus cloud microphysical properties using the collocated satellite-surface data and Fu-Liou radiative transfer model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,175-10,198.	1.2	14
46	First extended validation of satellite microwave liquid water path with shipâ€based observations of marine low clouds. Geophysical Research Letters, 2016, 43, 6563-6570.	1.5	16
47	A Consistent AVHRR Visible Calibration Record Based on Multiple Methods Applicable for the NOAA Degrading Orbits. Part I: Methodology. Journal of Atmospheric and Oceanic Technology, 2016, 33, 2499-2515.	0.5	34
48	The relationships between insoluble precipitation residues, clouds, and precipitation over Californiaâ€™s southern Sierra Nevada during winter storms. Atmospheric Environment, 2016, 140, 298-310.	1.9	13
49	Planning, implementation, and scientific goals of the Studies of Emissions and Atmospheric Composition, Clouds and Climate Coupling by Regional Surveys (SEAC⁴RS) field mission. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4967-5009.	1.2	158
50	Large-scale vertical velocity, diabatic heating and drying profiles associated with seasonal and diurnal variations of convective systems observed in the GoAmazon2014/5 experiment. Atmospheric Chemistry and Physics, 2016, 16, 14249-14264.	1.9	44
51	The calibration of the DSCOVR EPIC multiple visible channel instrument using MODIS and VIIRS as a reference. Proceedings of SPIE, 2016, , .	0.8	9
52	Estimating nocturnal opaque ice cloud optical depth from MODIS multispectral infrared radiances using a neural network method. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4907-4932.	1.2	27
53	Impact of Aviation on Climate: FAAâ€™s Aviation Climate Change Research Initiative (ACCRI) Phase II. Bulletin of the American Meteorological Society, 2016, 97, 561-583.	1.7	93
54	Manmade Changes in Cirrus Clouds from 1984 to 2007: A Preliminary Study. Green Energy and Technology, 2016, , 827-836.	0.4	2

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55	A Web-Based Tool for Calculating Spectral Band Difference Adjustment Factors Derived From SCIAMACHY Hyperspectral Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2529-2542.	2.7	72
56	Storm-Scale Data Assimilation and Ensemble Forecasting with the NSSL Experimental Warn-on-Forecast System. Part II: Combined Radar and Satellite Data Experiments. Weather and Forecasting, 2016, 31, 297-327.	0.5	98
57	Clouds, Aerosols, and Precipitation in the Marine Boundary Layer: An Arm Mobile Facility Deployment. Bulletin of the American Meteorological Society, 2016, 2016, 419-440.	1.7	0
58	Aerosol variability, synopticâ€scale processes, and their link to the cloud microphysics over the northeast Pacific during MAGIC. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5122-5139.	1.2	17
59	Effects of spherical inclusions on scattering properties of small ice cloud particles. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2951-2969.	1.2	12
60	Properties of small cirrus ice crystals from commercial aircraft measurements and implications for flight operations. Tellus, Series B: Chemical and Physical Meteorology, 2015, 67, 27876.	0.8	12
61	Simulations of cloudâ€radiation interaction using largeâ€scale forcing derived from the CINDY/DYNAMO northern sounding array. Journal of Advances in Modeling Earth Systems, 2015, 7, 1472-1498.	1.3	19
62	Impact of interannual variations in sources of insoluble aerosol species on orographic precipitation over California's central Sierra Nevada. Atmospheric Chemistry and Physics, 2015, 15, 6535-6548.	1.9	38
63	Variational Assimilation of Cloud Liquid/Ice Water Path and Its Impact on NWP. Journal of Applied Meteorology and Climatology, 2015, 54, 1809-1825.	0.6	34
64	Comparison of CERES-MODIS cloud microphysical properties with surface observations over Loess Plateau. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 153, 65-76.	1.1	10
65	Clouds, Aerosols, and Precipitation in the Marine Boundary Layer: An Arm Mobile Facility Deployment. Bulletin of the American Meteorological Society, 2015, 96, 419-440.	1.7	117
66	Mean Structure and Diurnal Cycle of Southeast Atlantic Boundary Layer Clouds: Insights from Satellite Observations and Multiscale Modeling Framework Simulations. Journal of Climate, 2015, 28, 324-341.	1.2	25
67	CLOUDS AND FOG | Contrails. , 2015, , 121-132.		0
68	Simultaneous Radar and Satellite Data Storm-Scale Assimilation Using an Ensemble Kalman Filter Approach for 24 May 2011. Monthly Weather Review, 2015, 143, 165-194.	0.5	48
69	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.	1.2	21
70	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.	1.2	39
71	Regional Apparent Boundary Layer Lapse Rates Determined from CALIPSO and MODIS Data for Cloud-Height Determination. Journal of Applied Meteorology and Climatology, 2014, 53, 990-1011.	0.6	36
72	Unfiltering Earth Radiation Budget Experiment (ERBE) Scanner Radiances Using the CERES Algorithm and Its Evaluation with Nonscanner Observations. Journal of Atmospheric and Oceanic Technology, 2014, 31, 843-859.	0.5	4

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73	Calibrating historical IR sensors using GEO and AVHRR infrared tropical mean calibration models. Proceedings of SPIE, 2014, , .	0.8	0
74	Remote sensing of cloud top pressure/height from SEVIRI: analysis of ten current retrieval algorithms. Atmospheric Measurement Techniques, 2014, 7, 2839-2867.	1.2	54
75	A 19-Month Record of Marine Aerosolâ€“Cloudâ€“Radiation Properties Derived from DOE ARM Mobile Facility Deployment at the Azores. Part I: Cloud Fraction and Single-Layered MBL Cloud Properties. Journal of Climate, 2014, 27, 3665-3682.	1.2	56
76	Boundary layer regulation in the southeast Atlantic cloud microphysics during the biomass burning season as seen by the Aâ€train satellite constellation. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,288.	1.2	49
77	Comparison of marine boundary layer cloud properties from CERESâ€MODIS Edition 4 and DOE ARM AMF measurements at the Azores. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9509-9529.	1.2	22
78	A two-habit model for the microphysical and optical properties of ice clouds. Atmospheric Chemistry and Physics, 2014, 14, 13719-13737.	1.9	49
79	Corrigendum to Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust published in Atmos. Chem. Phys., 14, 81â€“101, 2014. Atmospheric Chemistry and Physics, 2014, 14, 3063-3064.	1.9	4
80	Observations of rapid aerosol optical depth enhancements in the vicinity of polluted cumulus clouds. Atmospheric Chemistry and Physics, 2014, 14, 11633-11656.	1.9	58
81	Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust. Atmospheric Chemistry and Physics, 2014, 14, 81-101.	1.9	101
82	Gravityâ€waveâ€induced perturbations in marine stratocumulus. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 32-45.	1.0	17
83	The Intercalibration of Geostationary Visible Imagers Using Operational Hyperspectral SCIAMACHY Radiances. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1245-1254.	2.7	22
84	Evaluation of a Forward Operator to Assimilate Cloud Water Path into WRF-DART. Monthly Weather Review, 2013, 141, 2272-2289.	0.5	40
85	Use of satellite derived cloud properties to quantify growing cumulus beneath cirrus clouds. Atmospheric Research, 2013, 120-121, 192-201.	1.8	19
86	Dust and Biological Aerosols from the Sahara and Asia Influence Precipitation in the Western U.S.. Science, 2013, 339, 1572-1578.	6.0	482
87	Contrail radiative forcing over the Northern Hemisphere from 2006 Aqua MODIS data. Geophysical Research Letters, 2013, 40, 595-600.	1.5	26
88	Properties of linear contrails in the Northern Hemisphere derived from 2006 Aqua MODIS observations. Geophysical Research Letters, 2013, 40, 772-777.	1.5	19
89	Comment on "Large Volcanic Aerosol Load in the Stratosphere Linked to Asian Monsoon Transport". Science, 2013, 339, 647-647.	6.0	48
90	Estimation of 2006 Northern Hemisphere contrail coverage using MODIS data. Geophysical Research Letters, 2013, 40, 612-617.	1.5	35

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91	Linear contrail and contrail cirrus properties determined from satellite data. Geophysical Research Letters, 2013, 40, 3220-3226.	1.5	32
92	New particle formation in, around and out of ice clouds in MACPEX. , 2013, , .		0
93	GEWEX cloud assessment: A review. AIP Conference Proceedings, 2013, , .	0.3	7
94	Earth Radiation Budget Experiment (ERBE) reprocessing using Clouds and the Earth's Radiant Energy System (CERES) angular distribution models. , 2013, , .		0
95	The Diurnal Cycle of Cloud-Top Height and Cloud Cover over the Southeastern Pacific as Observed by GOES-10. Journals of the Atmospheric Sciences, 2013, 70, 2393-2408.	0.6	30
96	The Role of Cloud Microphysics Parameterization in the Simulation of Mesoscale Convective System Clouds and Precipitation in the Tropical Western Pacific. Journals of the Atmospheric Sciences, 2013, 70, 1104-1128.	0.6	93
97	Assessment of Global Cloud Datasets from Satellites: Project and Database Initiated by the GEWEX Radiation Panel. Bulletin of the American Meteorological Society, 2013, 94, 1031-1049.	1.7	437
98	ARM Research In The Equatorial Western Pacific: A Decade And Counting. Bulletin of the American Meteorological Society, 2013, 94, 695-708.	1.7	22
99	The impact of horizontal heterogeneities, cloud fraction, and liquid water path on warm cloud effective radii from CERES-like Aqua MODIS retrievals. Atmospheric Chemistry and Physics, 2013, 13, 9997-10003.	1.9	30
100	Retrieving Clear-Sky Surface Skin Temperature for Numerical Weather Prediction Applications from Geostationary Satellite Data. Remote Sensing, 2013, 5, 342-366.	1.8	20
101	Determining the Flight Icing Threat to Aircraft with Single-Layer Cloud Parameters Derived from Operational Satellite Data. Journal of Applied Meteorology and Climatology, 2012, 51, 1794-1810.	0.6	23
102	Improving aerosol distributions below clouds by assimilating satellite-retrieved cloud droplet number. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11939-11943.	3.3	31
103	Parameterization of contrail radiative properties for climate studies. Geophysical Research Letters, 2012, 39, .	1.5	11
104	Upwelling response to atmospheric coastal jets off central Chile: A modeling study of the October 2000 event. Journal of Geophysical Research, 2012, 117, .	3.3	48
105	A comparison of TWPâ€ICE observational data with cloudâ€resolving model results. Journal of Geophysical Research, 2012, 117, .	3.3	108
106	Simulation of the global contrail radiative forcing: A sensitivity analysis. Geophysical Research Letters, 2012, 39, .	1.5	20
107	Determination of ice cloud models using MODIS and MISR data. International Journal of Remote Sensing, 2012, 33, 4219-4253.	1.3	20
108	Using SCIAMACHY to improve corrections for spectral band differences when transferring calibration between visible sensors. , 2012, , .		7

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109	Estimating effective particle size of tropical deep convective clouds with a lookâ€up table method using satellite measurements of brightness temperature differences. Journal of Geophysical Research, 2012, 117, .	3.3	11
110	Physical and optical properties of persistent contrails: Climatology and interpretation. Journal of Geophysical Research, 2012, 117, .	3.3	61
111	On the dependence of albedo on cloud microphysics over marine stratocumulus clouds regimes determined from Clouds and the Earth's Radiant Energy System (CERES) data. Journal of Geophysical Research, 2012, 117, .	3.3	11
112	Global contrail coverage simulated by CAM5 with the inventory of 2006 global aircraft emissions. Journal of Advances in Modeling Earth Systems, 2012, 4, .	1.3	14
113	GOESâ€10 microphysical retrievals in marine warm clouds: Multiâ€instrument validation and daytime cycle over the southeast Pacific. Journal of Geophysical Research, 2012, 117, .	3.3	36
114	Correction to â€œOn the dependence of albedo on cloud microphysics over marine stratocumulus clouds regimes determined from Clouds and the Earth's Radiant Energy System (CERES) dataâ€. Journal of Geophysical Research, 2012, 117, n/a-n/a.	3.3	1
115	Life cycle of midlatitude deep convective systems in a Lagrangian framework. Journal of Geophysical Research, 2012, 117, .	3.3	61
116	Simulations of Infrared Radiances over a Deep Convective Cloud System Observed during TC4: Potential for Enhancing Nocturnal Ice Cloud Retrievals. Remote Sensing, 2012, 4, 3022-3054.	1.8	8
117	Factors influencing Northern Hemisphere winter mean atmospheric circulation anomalies during the period 1960/61 to 2001/02. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1970-1982.	1.0	39
118	Spectral Reflectance Corrections for Satellite Intercalibrations Using SCIAMACHY Data. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 119-123.	1.4	44
119	CERES Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part II: Examples of Average Results and Comparisons With Other Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4401-4430.	2.7	123
120	CERES Edition-2 Cloud Property Retrievals Using TRMM VIRS and Terra and Aqua MODIS Dataâ€”Part I: Algorithms. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4374-4400.	2.7	410
121	Improvements of top-of-atmosphere and surface irradiance computations with CALIPSO-, CloudSat-, and MODIS-derived cloud and aerosol properties. Journal of Geophysical Research, 2011, 116, .	3.3	208
122	Formation and Spread of Aircraft-Induced Holes in Clouds. Science, 2011, 333, 77-81.	6.0	40
123	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. Atmospheric Chemistry and Physics, 2011, 11, 627-654.	1.9	272
124	Observations of the boundary layer, cloud, and aerosol variability in the southeast Pacific near-coastal marine stratocumulus during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 9943-9959.	1.9	56
125	Estimating Contrail Climate Effects from Satellite Data. , 2011, , .		3
126	Clouds and Earth Radiant Energy System (CERES), a review: Past, present and future. Advances in Space Research, 2011, 48, 254-263.	1.2	60

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127	Radiative effect differences between multi-layered and single-layer clouds derived from CERES, CALIPSO, and CloudSat data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 361-375.	1.1	68
128	Comparison of CERES surface radiation fluxes with surface observations over Loess Plateau. Remote Sensing of Environment, 2011, 115, 1489-1500.	4.6	47
129	Top-of-atmosphere radiation budget of convective core/stratiform rain and anvil clouds from deep convective systems. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
130	The Global Space-Based Inter-Calibration System. Bulletin of the American Meteorological Society, 2011, 92, 467-475.	1.7	161
131	The Global Space-Based Inter-Calibration System. Bulletin of the American Meteorological Society, 2011, 92, 467-475.	1.7	105
132	Contrails and Induced Cirrus. Bulletin of the American Meteorological Society, 2010, 91, 473-478.	1.7	38
133	Detection of dust aerosol by combining CALIPSO active lidar and passive IIR measurements. Atmospheric Chemistry and Physics, 2010, 10, 4241-4251.	1.9	73
134	Corrigendum to "Detection of dust aerosol by combining CALIPSO active lidar and passive IIR measurements" published in Atmos. Chem. Phys., 10, 4241â€“4251, 2010. Atmospheric Chemistry and Physics, 2010, 10, 5359-5359.	1.9	2
135	Estimations of climate sensitivity based on top-of-atmosphere radiation imbalance. Atmospheric Chemistry and Physics, 2010, 10, 1923-1930.	1.9	21
136	The best site on Earth?. EAS Publications Series, 2010, 40, 89-96.	0.3	2
137	Radiation characteristics of low and high clouds in different oceanic regions observed by CERES and MODIS. International Journal of Remote Sensing, 2010, 31, 6473-6492.	1.3	9
138	Evaluation of the NASA GISS Single-Column Model Simulated Clouds Using Combined Surface and Satellite Observations. Journal of Climate, 2010, 23, 5175-5192.	1.2	27
139	Dust aerosol effect on semi-arid climate over Northwest China detected from A-Train satellite measurements. Atmospheric Chemistry and Physics, 2010, 10, 6863-6872.	1.9	152
140	The GCMâ€Oriented CALIPSO Cloud Product (CALIPSOâ€GOCCP). Journal of Geophysical Research, 2010, 115, .	3.3	285
141	Relationships among cloud occurrence frequency, overlap, and effective thickness derived from CALIPSO and CloudSat merged cloud vertical profiles. Journal of Geophysical Research, 2010, 115, .	3.3	134
142	A modified method for inferring upper troposphere cloud top height using the GOES 12 imager 10.7 and 13.3 Î¼m data. Journal of Geophysical Research, 2010, 115, .	3.3	27
143	A 10 year climatology of cloud fraction and vertical distribution derived from both surface and GOES observations over the DOE ARM SPG site. Journal of Geophysical Research, 2010, 115, .	3.3	71
144	Planning, implementation, and first results of the Tropical Composition, Cloud and Climate Coupling Experiment (TC4). Journal of Geophysical Research, 2010, 115, .	3.3	120

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145	GOES 12 observations of convective storm variability and evolution during the Tropical Composition, Clouds and Climate Coupling Experiment field program. Journal of Geophysical Research, 2010, 115, .	3.3	10
146	Evaluation of satelliteâ€based upper troposphere cloud top height retrievals in multilayer cloud conditions during TC4. Journal of Geophysical Research, 2010, 115, .	3.3	27
147	Comparison of GOESâ€retrieved and in situ measurements of deep convective anvil cloud microphysical properties during the Tropical Composition, Cloud and Climate Coupling Experiment (TC⁴). Journal of Geophysical Research, 2010, 115, .	3.3	5
148	Observed aerosol and liquid water path relationships in marine stratocumulus. Geophysical Research Letters, 2010, 37, .	1.5	20
149	Dusty cloud properties and radiative forcing over dust source and downwind regions derived from Aâ€Train data during the Pacific Dust Experiment. Journal of Geophysical Research, 2010, 115, .	3.3	74
150	Correction to â€œA 10 year climatology of cloud fraction and vertical distribution derived from both surface and GOES observations over the DOE ARM SPG siteâ€. Journal of Geophysical Research, 2010, 115, .	3.3	1
151	4-D cloud water content fields derived from operational satellite data. , 2010, , .		0
152	Enhanced Cloud algorithm from collocated CALIPSO, CloudSat and MODIS global boundary layer lapse rate studies. , 2010, , .		2
153	Retrieval of Ice Cloud Properties Using Variable Phase Functions. , 2009, , .		0
154	Basic Diagnosis and Prediction of Persistent Contrail Occurrence Using High-Resolution Numerical Weather Analyses/Forecasts and Logistic Regression. Part I: Effects of Random Error. Journal of Applied Meteorology and Climatology, 2009, 48, 1780-1789.	0.6	6
155	Basic Diagnosis and Prediction of Persistent Contrail Occurrence Using High-Resolution Numerical Weather Analyses/Forecasts and Logistic Regression. Part II: Evaluation of Sample Models. Journal of Applied Meteorology and Climatology, 2009, 48, 1790-1802.	0.6	5
156	Modulation of tropical convection by breaking Rossby waves. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 125-137.	1.0	34
157	Cloud ice: A climate model challenge with signs and expectations of progress. Journal of Geophysical Research, 2009, 114, .	3.3	313
158	Effect of the inhomogeneity of ice crystals on retrieving ice cloud optical thickness and effective particle size. Journal of Geophysical Research, 2009, 114, .	3.3	39
159	Where Is the Best Site on Earth? Domes A, B, C, and F, and Ridges A and B. Publications of the Astronomical Society of the Pacific, 2009, 121, 976-992.	1.0	66
160	Taklimakan dust aerosol radiative heating derived from CALIPSO observations using the Fu-Liou radiation model with CERES constraints. Atmospheric Chemistry and Physics, 2009, 9, 4011-4021.	1.9	251
161	Factors controlling contrail cirrus optical depth. Atmospheric Chemistry and Physics, 2009, 9, 6229-6254.	1.9	54
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