

Fuzhong Weng

List of Publications by Year in descending order

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247
papers

7,279
citations

61984

43
h-index

69250

77
g-index

252
all docs

252
docs citations

252
times ranked

3752
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of assimilating all or GOES-like AHI infrared channels radiances on QPFs over Eastern China. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1345265.	1.7	14
2	Ultrahigh-Resolution (250 m) Regional Surface PM _{2.5} Concentrations Derived First From MODIS Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	1
3	Influences of 1DVAR Background Covariances and Observation Operators on Retrieving Tropical Cyclone Thermal Structures. <i>Remote Sensing</i> , 2022, 14, 1078.	4.0	4
4	Assessments of Cloud Liquid Water and Total Precipitable Water Derived from FY-3E MWTS-III and NOAA-20 ATMS. <i>Remote Sensing</i> , 2022, 14, 1853.	4.0	4
5	Intercomparison of Resampling Algorithms for Advanced Technology Microwave Sounder (ATMS). <i>Remote Sensing</i> , 2022, 14, 2781.	4.0	2
6	Discrete Ordinate Adding Method (DOAM), a new solver for Advanced Radiative transfer Modeling System (ARMS). <i>Optics Express</i> , 2021, 29, 4700.	3.4	9
7	Impact of hematite on dust absorption at wavelengths ranging from 0.2 to 1.0 μm : an evaluation of literature data using the T-matrix method. <i>Optics Express</i> , 2021, 29, 17405.	3.4	9
8	Impact of Assimilating FY-3D MWTS-2 Upper Air Sounding Data on Forecasting Typhoon Lekima (2019). <i>Remote Sensing</i> , 2021, 13, 1841.	4.0	10
9	The Potential of Satellite Sounding Observations for Deriving Atmospheric Wind in All-Weather Conditions. <i>Remote Sensing</i> , 2021, 13, 2947.	4.0	0
10	A Multivariable Approach for Estimating Soil Moisture from Microwave Radiation Imager (MWRI). <i>Journal of Meteorological Research</i> , 2020, 34, 732-747.	2.4	8
11	Evaluation of cloud properties from reanalyses over East Asia with a radiance-based approach. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1033-1049.	3.1	21
12	Climatology of Passive Microwave Brightness Temperatures in Tropical Cyclones and their Relations to Storm Intensities as Seen by FY-3B/MWRI. <i>Remote Sensing</i> , 2020, 12, 147.	4.0	0
13	Advanced Radiative Transfer Modeling System (ARMS): A New-Generation Satellite Observation Operator Developed for Numerical Weather Prediction and Remote Sensing Applications. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 131-136.	4.3	41
14	Multisource Assessments of the FengYun-3D Microwave Humidity Sounder (MWHS) On-Orbit Performance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7258-7268.	6.3	7
15	Reference-Quality Emission and Backscatter Modeling for the Ocean. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1593-E1601.	3.3	10
16	The Long-Term Trend of Upper-Air Temperature in China Derived from Microwave Sounding Data and Its Comparison with Radiosonde Observations. <i>Journal of Climate</i> , 2020, 33, 7875-7895.	3.2	5
17	Assimilation of FY3D Combined Microwave Sounder Observation in ATMS Alike One Data Stream. , 2020, , .		1
18	Estimation of Location and Intensity of Tropical Cyclones Based on Microwave Sounding Instruments. , 2020, , .		2

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19	Hourly PM2.5 Estimates from a Geostationary Satellite Based on an Ensemble Learning Algorithm and Their Spatiotemporal Patterns over Central East China. <i>Remote Sensing</i> , 2019, 11, 2120.	4.0	20
20	Verification of Fengyun-3D MWTS and MWHS Calibration Accuracy Using GPS Radio Occultation Data. <i>Journal of Meteorological Research</i> , 2019, 33, 695-704.	2.4	10
21	Influences of Physical Processes and Parameters on Simulations of TOA Radiance at UV Wavelengths: Implications for Satellite UV Instrument Validation. <i>Journal of Meteorological Research</i> , 2019, 33, 264-275.	2.4	2
22	Satellite-based PM2.5 estimation directly from reflectance at the top of the atmosphere using a machine learning algorithm. <i>Atmospheric Environment</i> , 2019, 208, 113-122.	4.1	66
23	Remote Sensing of Tropical Cyclone Thermal Structure from Satellite Microwave Sounding Instruments: Impacts of Background Profiles on Retrievals. <i>Journal of Meteorological Research</i> , 2019, 33, 89-103.	2.4	11
24	Comparing the Thermal Structures of Tropical Cyclones Derived from ATMS and Mwhs. , 2019, , .		0
25	Estimation of Hurricane Maximum Wind Speed Using Temperature Anomaly Derived From Advanced Technology Microwave Sounder. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 639-643.	3.1	19
26	Advanced Technology Microwave Sounder Calibration and Validation. , 2018, , 42-63.		1
27	Remote Sensing of Tropical Cyclone Thermal Structure from Satellite Microwave Sounding Instruments: Impacts of Optimal Channel Selection on Retrievals. <i>Journal of Meteorological Research</i> , 2018, 32, 804-818.	2.4	8
28	Developing Vicarious Calibration for Microwave Sounding Instruments Using Lunar Radiation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 6723-6733.	6.3	16
29	Dependence of Simulation Biases at AHI Surface-Sensitive Channels on Land Surface Emissivity over China. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1283-1298.	1.3	5
30	Single-scattering properties of ice particles in the microwave regime: Temperature effect on the ice refractive index with implications in remote sensing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 190, 26-37.	2.3	23
31	Estimation of cloud liquid water over oceans from dual oxygen absorption band to support the assimilation of second generation of microwave observation on board the Chinese FY-3 satellite. <i>International Journal of Remote Sensing</i> , 2017, 38, 5003-5021.	2.9	3
32	Potential Applications of Small Satellite Microwave Observations for Monitoring and Predicting Global Fast-Evolving Weathers. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 2441-2451.	4.9	13
33	Characterization of Long-Term Stability of Suomi NPP Cross-Track Infrared Sounder Spectral Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1147-1159.	6.3	23
34	Combining CrIS double CO ₂ bands for detecting clouds located in different layers of the atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1811-1827.	3.3	23
35	Impacts from assimilation of one data stream of AMSU-A and MHS radiances on quantitative precipitation forecasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 731-743.	2.7	19
36	Validate and improve ATMS geolocation accuracy by using lunar observations. , 2017, , .		4

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37	Spectral Performance and Calibration of the Suomi NPP OMPS Nadir Profiler Sensor. Earth and Space Science, 2017, 4, 737-745.	2.6	14
38	Modeling thermal emissive bands radiometric calibration impact with application to AVHRR. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2831-2843.	3.3	3
39	Assessing calibration stability using moon observations from microwave instruments. , 2017, , .		0
40	Monitoring surface type changes with S-NPP/JPSS VIIRS observations. , 2017, , .		2
41	Recent Improvements to Suomi NPP Ozone Mapper Profiler Suite Nadir Mapper Sensor Data Records. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5770-5776.	6.3	6
42	Direct assimilation of AHI and ABI infrared radiances in NWP models. , 2017, , .		1
43	Reprocessing of SUOMI NPP VIIRS sensor data records and impacts on environmental applications. , 2017, , .		4
44	Rigorous radiative transfer simulation for ATMS 183 GHz with atmospheric water signature from combined radar and radiometer of GPM. , 2017, , .		0
45	Reprocessing of Suomi NPP CrIS sensor data records and impacts on radiometric and spectral long-term accuracy and stability. , 2017, , .		4
46	Monitoring of VIIRS ocean clear-sky brightness temperatures against CRTM simulation in ICVS for TEB/M bands. , 2017, , .		4
47	Suomi-NPP VIIRS initial reprocessing improvements and validations in the reflective solar bands (RSBs). , 2017, , .		6
48	Validation of ATMS Calibration Accuracy Using Suomi NPP Pitch Maneuver Observations. Remote Sensing, 2016, 8, 332.	4.0	17
49	Satellite observation of atmospheric methane: intercomparison between AIRS and GOSAT TANSO-FTS retrievals. Atmospheric Measurement Techniques, 2016, 9, 3567-3576.	3.1	14
50	Radiometric Stability Monitoring of the Suomi NPP Visible Infrared Imaging Radiometer Suite (VIIRS) Reflective Solar Bands Using the Moon. Remote Sensing, 2016, 8, 15.	4.0	37
51	Potential Applications of small Satellite microwave observations for monitoring and predicting hurricanes and typhoons. , 2016, , .		0
52	Satellite data assimilation for societal benefits. , 2016, , .		0
53	Estimation and correction of model bias in the NASA/GMAO GEOS5 data assimilation system: Sequential implementation. Advances in Atmospheric Sciences, 2016, 33, 659-672.	4.3	3
54	Comparison of Atmospheric Methane Retrievals From AIRS and IASI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3297-3303.	4.9	8

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55	Characterization of geolocation accuracy of Suomi NPP Advanced Technology Microwave Sounder measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4933-4950.	3.3	15
56	Characterization of Bias of Advanced Himawari Imager Infrared Observations from NWP Background Simulations Using CRTM and RTTOV. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 2553-2567.	1.3	43
57	Monitoring the atmospheric environment with Joint Polar Satellite System (JPSS) remote sensing data products. , 2016, , .		3
58	Improvements on the ice cloud modeling capabilities of the Community Radiative Transfer Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,577.	3.3	23
59	Soil Moisture data product generated from NASA SMAP observations with NOAA ancillary data. , 2016, , .		2
60	Increasing vertical resolution in US models to improve track forecasts of Hurricane Joaquin with HWRF as an example. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11765-11769.	7.1	11
61	Monitoring of Suomi-NPP OMPS calibration parameters and understanding their impacts on earth view radiance. , 2016, , .		0
62	S-NPP VIIRS thermal emissive band gain correction during the blackbody warm-up-cool-down cycle. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
63	Rebuild the instrument mounting matrix for microwave instrument on-orbit geometric calibration. , 2016, , .		1
64	Examining GMI intercalibration dependence on the full dynamic range of brightness temperature using cold and warm end tie points. , 2016, , .		1
65	Analysis of OMPS in-flight CCD dark current degradation. , 2016, , .		2
66	Estimation of ATMS Antenna Emission From Cold Space Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4479-4487.	6.3	24
67	Corrections for On-Orbit ATMS Lunar Contamination. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1918-1924.	6.3	17
68	Modeling Land Surface Roughness Effect on Soil Microwave Emission in Community Surface Emissivity Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1716-1726.	6.3	7
69	Estimation and Correction of Geolocation Errors in FengYun-3C Microwave Radiation Imager Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 407-420.	6.3	38
70	On-ORBIT antenna reflector loss measurements for Advanced Technology Microwave Sounder (ATMs) calibration. , 2015, , .		1
71	Use of incremental analysis updates in 4D-Var data assimilation. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1575-1582.	4.3	4
72	Cloud and precipitation features of Super Typhoon Neoguri revealed from dual oxygen absorption band sounding instruments on board FengYun-3C satellite. <i>Geophysical Research Letters</i> , 2015, 42, 916-924.	4.0	25

#	ARTICLE	IF	CITATIONS
73	Comparison of atmospheric methane observations from AIRS and IASI. , 2015, , .		0
74	Use of Allan Deviation for Characterizing Satellite Microwave Sounder Noise Equivalent Differential Temperature (NEDT). IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2477-2480.	3.1	24
75	Postlaunch Calibration Update of MetOp-B AVHRR Reflective Solar Channels Using MetOp-A. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2286-2294.	6.3	4
76	Satellite data assimilation of upper-level sounding channels in HWRF with two different model tops. Journal of Meteorological Research, 2015, 29, 1-27.	2.4	9
77	Analysis of VIIRS TEB noise using solar diffuser measurements. , 2015, , .		0
78	Intercalibration and Validation of Observations From ATMS and SAPHIR Microwave Sounders. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5915-5925.	6.3	21
79	SI traceable algorithm for characterizing hyperspectral infrared sounder CrIS noise. Applied Optics, 2015, 54, 7889.	2.1	8
80	Removing Solar Radiative Effect from the VIIRS M12 Band at 3.7 μ m for Daytime Sea Surface Temperature Retrievals. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2522-2529.	1.3	3
81	Evaluation of the impact of a new quality control method on assimilation of CrIS data in HWRF-GSI. , 2014, , .		5
82	Applications of an AMSR-E RFI detection and correction algorithm in 1-DVAR over land. Journal of Meteorological Research, 2014, 28, 645-655.	2.4	5
83	Detection of Television Frequency Interference with Satellite Microwave Imager Observations over Oceans. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2759-2776.	1.3	16
84	Connecting the Time Series of Microwave Sounding Observations from AMSU to ATMS for Long-Term Monitoring of Climate. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2206-2222.	1.3	7
85	Assessment and validation of the community radiative transfer model for ice cloud conditions. , 2014, , .		1
86	Early On-Orbit Performance of the Visible Infrared Imaging Radiometer Suite Onboard the Suomi National Polar-Orbiting Partnership (S-NPP) Satellite. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1142-1156.	6.3	403
87	30-Year atmospheric temperature record derived by one-dimensional variational data assimilation of MSU/AMSU-A observations. Climate Dynamics, 2014, 43, 1857-1870.	3.8	7
88	Absolute Calibration of ATMS Upper Level Temperature Sounding Channels Using GPS RO Observations. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1397-1406.	6.3	51
89	Uncertainty of AMSU-A derived temperature trends in relationship with clouds and precipitation over ocean. Climate Dynamics, 2014, 43, 1439-1448.	3.8	19
90	Polarization signature from the FengYun-3 Microwave Humidity Sounder. Frontiers of Earth Science, 2014, 8, 625-633.	2.1	4

#	ARTICLE	IF	CITATIONS
91	Cloud Liquid Water. Encyclopedia of Earth Sciences Series, 2014, , 68-70.	0.1	0
92	Effects of Ice Decontamination on GOES-12 Imager Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1224-1230.	6.3	10
93	Diagnosis and testing of low-level cloud parameterizations for the NCEP/GFS model using satellite and ground-based measurements. Climate Dynamics, 2013, 41, 1595-1613.	3.8	30
94	WindSat Radio-Frequency Interference Signature and Its Identification Over Greenland and Antarctic. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4830-4839.	6.3	30
95	Long-Term Monitoring and Correction of FY-2 Infrared Channel Calibration Using AIRS and IASI. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5008-5018.	6.3	18
96	Inter-comparison of MetOp-A and MetOp-B AVHRR and on-orbit calibration update. , 2013, , .		0
97	Metop-BAVHRR IR channel post-launch calibration and verification tests. , 2013, , .		0
98	S-NPP Ozone Mapping and Profiler Suite provisional operations performance. , 2013, , .		0
99	Assessment of Suomi National Polar-Orbiting Partnership VIIRS Emissive Band Calibration and Inter-Sensor Comparisons. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1737-1748.	4.9	5
100	On Convertibility From Antenna to Sensor Brightness Temperature for ATMS. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 771-775.	3.1	34
101	Performance and Calibration of the Nadir Suomi-NPP Ozone Mapping Profiler Suite From Early-Orbit Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1539-1551.	4.9	20
102	Using Advanced Matrix Operator (AMOM) in Community Radiative Transfer Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1211-1218.	4.9	12
103	Detection of Earth-rotation Doppler shift from Suomi National Polar-Orbiting Partnership Cross-Track Infrared Sounder. Applied Optics, 2013, 52, 6250.	1.8	11
104	Errors from Rayleigh's Jeans approximation in satellite microwave radiometer calibration systems. Applied Optics, 2013, 52, 505.	1.8	15
105	Striping in the Suomi NPP VIIRS Thermal Bands through Anisotropic Surface Reflection. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2478-2487.	1.3	13
106	Improved Quantitative Precipitation Forecasts by MHS Radiance Data Assimilation with a Newly Added Cloud Detection Algorithm. Monthly Weather Review, 2013, 141, 3203-3221.	1.4	35
107	Evaluating Added Benefits of Assimilating GOES Imager Radiance Data in GSI for Coastal QPFs. Monthly Weather Review, 2013, 141, 75-92.	1.4	48
108	Assessment of Shortwave Infrared Sea Surface Reflection and Nonlocal Thermodynamic Equilibrium Effects in the Community Radiative Transfer Model Using IASI Data. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2152-2160.	1.3	32

#	ARTICLE	IF	CITATIONS
109	S-NPP advanced technology microwave sounder: Reflector emissivity model, mitigation, & verification. , 2013, , .		5
110	Cloud optical and microphysical properties derived from ground-based and satellite sensors over a site in the Yangtze Delta region. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9141-9152.	3.3	25
111	Suomi NPP VIIRS sensor data record verification, validation, and long-term performance monitoring. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,664.	3.3	252
112	Hurricane Sandy warm-core structure observed from advanced Technology Microwave Sounder. Geophysical Research Letters, 2013, 40, 3325-3330.	4.0	32
113	Calibration of Suomi national polar-orbiting partnership advanced technology microwave sounder. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,187.	3.3	94
114	Impacts of assimilation of ATMS data in HWRF on track and intensity forecasts of 2012 four landfall hurricanes. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,558.	3.3	75
115	Introduction to special section on Suomi National Polar-Orbiting Partnership satellite calibration, validation, and applications. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,216-12,217.	3.3	2
116	Analysis of ATMS striping noise from its Earth scene observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,214.	3.3	32
117	Detection of Radio-Frequency Interference Signal Over Land From FY-3B Microwave Radiation Imager (MWRI). IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4994-5003.	6.3	35
118	Planck-Weighted Transmittance and Correction of Solar Reflection for Broadband Infrared Satellite Channels. Journal of Atmospheric and Oceanic Technology, 2012, 29, 382-396.	1.3	9
119	Assimilation of F-16 Special Sensor Microwave Imager/Sounder Data in the NCEP Global Forecast System. Weather and Forecasting, 2012, 27, 700-714.	1.4	2
120	Introduction to the Special Issue on the Chinese FengYun-3 Satellite Instrument Calibration and Applications. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4843-4844.	6.3	1
121	Retrieval of Cloud Ice Water Path from Special Sensor Microwave Imager/Sounder (SSMIS). Journal of Applied Meteorology and Climatology, 2012, 51, 366-379.	1.5	12
122	Evaluation of ATMS cross track asymmetry. , 2012, , .		0
123	SUOMI NPP VIIRS emissive band radiance calibration and analysis. , 2012, , .		0
124	An Assessment of the FY-3A Microwave Temperature Sounder Using the NCEP Numerical Weather Prediction Model. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4860-4874.	6.3	14
125	Community radiative transfer model for radiance assimilation and applications. , 2012, , .		14
126	Suomi NPP VIIRS on-orbit performance, data quality, and new applications. Proceedings of SPIE, 2012, , .	0.8	3

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127	OMPS Nadir early on-orbit performance evaluation and calibration. Proceedings of SPIE, 2012, , .	0.8	1
128	Calibration of low gain radiance at VIIRS emissive band (M13) and VIIRS image about moon temperature. , 2012, , .		1
129	Inter-comparison of NPP/CrIS radiances with VIIRS, AIRS, and IASI: a post-launch calibration assessment. Proceedings of SPIE, 2012, , .	0.8	15
130	Arctic and Antarctic four-month oscillations detected from Advanced Microwave Sounding Unit-A measurements. Antarctic Science, 2012, 24, 507-513.	0.9	0
131	Comparison between linear and nonlinear trends in NOAA-15 AMSU-A brightness temperatures during 1998â€“2010. Climate Dynamics, 2012, 39, 1763-1779.	3.8	22
132	Assessments of F18 special sensor microwave imager/sounder measurements for weather and climate applications. , 2012, , .		1
133	OMPS early orbit dark and bias evaluation and calibration. , 2012, , .		4
134	Suomi NPP VIIRS SDR postlaunch calibration/validation: an overview of progress, challenges, and the way forward. Proceedings of SPIE, 2012, , .	0.8	2
135	NPP VIIRS emissive band radiance calibration. , 2012, , .		2
136	Comparison of two transmittance algorithms in the community radiative transfer model: Application to AVHRR. Journal of Geophysical Research, 2012, 117, .	3.3	25
137	Kramersâ€™Kronig analysis of leaf refractive index with the PROSPECT leaf optical property model. Journal of Geophysical Research, 2012, 117, .	3.3	36
138	Synthetic radiance simulation and evaluation for a Joint Observing System Simulation Experiment. Journal of Geophysical Research, 2012, 117, .	3.3	10
139	Introduction to Suomi national polarâ€™orbiting partnership advanced technology microwave sounder for numerical weather prediction and tropical cyclone applications. Journal of Geophysical Research, 2012, 117, .	3.3	98
140	On the environmental information for solar and wind energy facilities. Science China Earth Sciences, 2012, 55, 796-801.	5.2	3
141	The FengYun-3 Microwave Radiation Imager On-Orbit Verification. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4552-4560.	6.3	96
142	A study of warm rain detection using A-Train satellite data. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	35
143	Evaluating a satellite-derived global infrared land surface emissivity data set for use in radiative transfer modeling. Journal of Geophysical Research, 2011, 116, .	3.3	26
144	Assessments of FY-3A Microwave Humidity Sounder measurements using NOAA-18 Microwave Humidity Sounder. Journal of Geophysical Research, 2011, 116, .	3.3	19

#	ARTICLE	IF	CITATIONS
145	An Improved Fast Microwave Water Emissivity Model. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1238-1250.	6.3	113
146	Effects of Microwave Desert Surface Emissivity on AMSU-A Data Assimilation. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1263-1276.	6.3	15
147	Assessment of a Variational Inversion System for Rainfall Rate Over Land and Water Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3311-3333.	6.3	27
148	Error Sources in Remote Sensing of Microwave Land Surface Emissivity. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3437-3442.	6.3	30
149	Foreword to the Special Issue on Remote Sensing and Modeling of Surface Properties. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1175-1176.	6.3	0
150	MiRS: An All-Weather 1DVAR Satellite Data Assimilation and Retrieval System. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3249-3272.	6.3	188
151	Detection and correction of AMSR-E radio-frequency interference. Journal of Meteorological Research, 2011, 25, 669-681.	1.0	27
152	Validation of the community radiative transfer model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1050-1064.	2.3	87
153	A New Sea-Ice Concentration Algorithm Based on Microwave Surface Emissivities Application to AMSU Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 175-189.	6.3	21
154	A study of the NOAA near-nadir Microwave Humidity Sounder brightness temperatures over Antarctica. , 2011, , .		0
155	The Global Space-Based Inter-Calibration System. Bulletin of the American Meteorological Society, 2011, 92, 467-475.	3.3	161
156	Community Radiative Transfer Model for Stratospheric Sounding Unit. Journal of Atmospheric and Oceanic Technology, 2011, 28, 767-778.	1.3	12
157	Special Sensor Microwave Imager (SSM/I) Intersensor Calibration Using a Simultaneous Conical Overpass Technique. Journal of Applied Meteorology and Climatology, 2011, 50, 77-95.	1.5	29
158	Improved Coastal Precipitation Forecasts with Direct Assimilation of GOES-11/12 Imager Radiances. Monthly Weather Review, 2011, 139, 3711-3729.	1.4	48
159	Assessments of Chinese Fengyun Microwave Temperature Sounder (MWTS) Measurements for Weather and Climate Applications. Journal of Atmospheric and Oceanic Technology, 2011, 28, 1206-1227.	1.3	39
160	Improvement of the use of MSG and GOES data in the NCEP GDAS. , 2010, , .		2
161	Comparison of Radiative Transfer Models for Simulating Snow Surface Thermal Infrared Emissivity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 323-336.	4.9	41
162	Uncertainties in Microwave Properties of Frozen Precipitation: Implications for Remote Sensing and Data Assimilation. Journals of the Atmospheric Sciences, 2010, 67, 3471-3487.	1.7	115

#	ARTICLE	IF	CITATIONS
163	On water vapor Jacobian in fast radiative transfer model. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
164	An improved fast radiative transfer model for special sensor microwave imager/sounder upper atmosphere sounding channels. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
165	Simulations of microwave brightness temperatures at AMSU-B frequencies over a 3D convective cloud system. <i>International Journal of Remote Sensing</i> , 2010, 31, 1781-1800.	2.9	3
166	A three-dimensional variation (3D-var) retrieval of temperature and water vapor profiles. , 2010, , .		1
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