

Peter SchlÃ¼ssel

List of Publications by Year in descending order

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29
papers

1,836
citations

567281

15
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral Earth Observation from IASI: Five Years of Accomplishments. Bulletin of the American Meteorological Society, 2012, 93, 347-370.	3.3	357
2	RESEARCH CAMPAIGN: The Convective and Orographically Induced Precipitation Study. Bulletin of the American Meteorological Society, 2008, 89, 1477-1486.	3.3	194
3	A review of the remote sensing of lower tropospheric thermodynamic profiles and its indispensable role for the understanding and the simulation of water and energy cycles. Reviews of Geophysics, 2015, 53, 819-895.	23.0	174
4	Parameterization of the Cool Skin of the Ocean and of the Air-Ocean Gas Transfer on the Basis of Modeling Surface Renewal. Journal of Physical Oceanography, 1994, 24, 1339-1346.	1.7	169
5	IASI on Metop-A: Operational Level 2 retrievals after five years in orbit. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1340-1371.	2.3	146
6	An Introduction to the EUMETSAT Polar system. Bulletin of the American Meteorological Society, 2007, 88, 1085-1096.	3.3	144
7	Global Land Surface Emissivity Retrieved From Satellite Ultraspectral IR Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1277-1290.	6.3	106
8	Evaluation of Satellite-Derived Latent Heat Fluxes. Journal of Climate, 1997, 10, 2782-2795.	3.2	104
9	The operational IASI Level 2 processor. Advances in Space Research, 2005, 36, 982-988.	2.6	91
10	The multi-viewing multi-channel multi-polarisation imager “ Overview of the 3MI polarimetric mission for aerosol and cloud characterization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 219, 23-32.	2.3	80
11	Evolution of cool skin and direct air-sea gas transfer coefficient during daytime. Boundary-Layer Meteorology, 1996, 77, 45-68.	2.3	70
12	An approach to estimation of near-surface turbulence and CO2 transfer velocity from remote sensing data. Journal of Marine Systems, 2007, 66, 182-194.	2.1	36
13	Infrared Continental Surface Emissivity Spectra and Skin Temperature Retrieved from IASI Observations over the Tropics. Journal of Applied Meteorology and Climatology, 2012, 51, 1164-1179.	1.5	36
14	A combined radiative transfer model for sea ice, open ocean, and atmosphere. Radio Science, 1998, 33, 303-316.	1.6	33
15	Impact Assessment of Simulated Doppler Wind Lidars with a Multivariate Variational Assimilation in the Tropics. Monthly Weather Review, 2008, 136, 2443-2460.	1.4	28
16	Applications of IASI on MetOp-A: first results and illustration of potential use for meteorology, climate monitoring, and atmospheric chemistry. Proceedings of SPIE, 2007, , .	0.8	19
17	Validation of the operational IASI level 2 processor using AIRS and ECMWF data. Advances in Space Research, 2006, 37, 2299-2305.	2.6	15
18	The joint polar system: Towards the second generation eumetsat polar system. , 2017, , .		8

#	ARTICLE	IF	CITATIONS
19	The 3MI Level-1C geoprojected product “ definition and processing description. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 91-109.	2.3	7
20	The EUMETSAT Polar System-Second Generation (EPS-SG) micro-wave and sub-millimetre wave imaging missions. , 2013, , .		4
21	The ATOVS and AVHRR product processing facility of EPS. Advances in Space Research, 2005, 36, 996-1002.	2.6	3
22	Validation of the IASI temperature and water vapor profile retrievals by correlative radiosondes. Proceedings of SPIE, 2008, , .	0.8	3
23	3MI: The Multi-Viewing Multi-Channel Multi-Polarization Imaging Mission of the EUMETSAT Polar System - Second Generation (EPS-SG) dedicated to aerosol characterization. , 2013, , .		3
24	Introduction to the next generation EUMETSAT Polar System (EPS-SG) observation missions. , 2017, , .		3
25	Transmission of the oceanic chlorophyll fluorescence to the top of the atmosphere. Ocean Dynamics, 1984, 37, 57-69.	0.2	2
26	Applicability of the Langley Method for Non-Geostationary In-Orbit Satellite Effective Isotropic Radiated Power Estimation. IEEE Transactions on Antennas and Propagation, 2021, 69, 4935-4943.	5.1	1
27	Cloud and thermodynamic parameters retrieved from satellite ultraspectral infrared measurements. , 2008, , .		0
28	Day-2 product developments for Metop-A. Proceedings of SPIE, 2009, , .	0.8	0
29	Benefits of the EUMETSAT Polar System “ Second Generation (EPS-SG) for Arctic and Northern Regions Monitoring and Applications. Canadian Journal of Remote Sensing, 2019, 45, 268-275.	2.4	0