

Dong Huang

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,070
citations

471509

17
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	A first map of tropical Africa's above-ground biomass derived from satellite imagery. Environmental Research Letters, 2008, 3, 045011.	5.2	321
2	MODIS leaf area index products: from validation to algorithm improvement. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1885-1898.	6.3	291
3	The impact of gridding artifacts on the local spatial properties of MODIS data: Implications for validation, compositing, and band-to-band registration across resolutions. Remote Sensing of Environment, 2006, 105, 98-114.	11.0	243
4	Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1855-1865.	6.3	161
5	Analysis of leaf area index products from combination of MODIS Terra and Aqua data. Remote Sensing of Environment, 2006, 104, 297-312.	11.0	147
6	Analysis of leaf area index and fraction of PAR absorbed by vegetation products from the terra MODIS sensor: 2000-2005. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1829-1842.	6.3	140
7	Canopy spectral invariants for remote sensing and model applications. Remote Sensing of Environment, 2007, 106, 106-122.	11.0	129
8	Toward understanding of differences in current cloud retrievals of ARM ground-based measurements. Journal of Geophysical Research, 2012, 117, .	3.3	107
9	Stochastic transport theory for investigating the three-dimensional canopy structure from space measurements. Remote Sensing of Environment, 2008, 112, 35-50.	11.0	97
10	Validation of Moderate Resolution Imaging Spectroradiometer leaf area index product in croplands of Alpillles, France. Journal of Geophysical Research, 2005, 110, .	3.3	57
11	Potential monitoring of crop production using a satellite-based Climate-Variability Impact Index. Agricultural and Forest Meteorology, 2005, 132, 344-358.	4.8	46
12	Assessment of the broadleaf crops leaf area index product from the Terra MODIS instrument. Agricultural and Forest Meteorology, 2005, 135, 124-134.	4.8	42
13	Analysis of the MISR LAI/FPAR product for spatial and temporal coverage, accuracy and consistency. Remote Sensing of Environment, 2007, 107, 334-347.	11.0	41
14	Physical interpretation of the correlation between multi-angle spectral data and canopy height. Geophysical Research Letters, 2007, 34, .	4.0	40
15	The importance of measurement errors for deriving accurate reference leaf area index maps for validation of moderate-resolution satellite LAI products. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1866-1871.	6.3	38
16	Stochastic radiative transfer model for mixture of discontinuous vegetation canopies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 236-262.	2.3	27
17	Determination of cloud liquid water distribution using 3D cloud tomography. Journal of Geophysical Research, 2008, 113, .	3.3	25
18	An intercomparison of radar-based liquid cloud microphysics retrievals and implications for model evaluation studies. Atmospheric Measurement Techniques, 2012, 5, 1409-1424.	3.1	19

#	ARTICLE	IF	CITATIONS
19	High resolution retrieval of liquid water vertical distributions using collocated Ka-band and W-band cloud radars. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	18
20	High-resolution photography of clouds from the surface: Retrieval of optical depth of thin clouds down to centimeter scales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2898-2928.	3.3	15
21	Intraseasonal Interactions between Temperature and Vegetation over the Boreal Forests. <i>Earth Interactions</i> , 2007, 11, 1-30.	1.5	10
22	Cloud tomography: Role of constraints and a new algorithm. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
23	Statistical characteristics of cloud variability. Part 1: Retrieved cloud liquid water path at three ARM sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,813-10,828.	3.3	9
24	Zenith/Nadir Pointing mm-Wave Radars: Linear or Circular Polarization?. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 628-639.	6.3	9
25	Statistical characteristics of cloud variability. Part 2: Implication for parameterizations of microphysical and radiative transfer processes in climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,829-10,843.	3.3	8
26	Feedbacks of Vegetation on Summertime Climate Variability over the North American Grasslands. Part II: A Coupled Stochastic Model. <i>Earth Interactions</i> , 2006, 10, 1-30.	1.5	7
27	Tomographic retrieval of cloud liquid water fields from a single scanning microwave radiometer aboard a moving platform " Part 2: Observation system simulation experiments. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6699-6709.	4.9	5
28	A novel approach for introducing cloud spatial structure into cloud radiative transfer parameterizations. <i>Environmental Research Letters</i> , 2014, 9, 124022.	5.2	4
29	Tomographic retrieval of cloud liquid water fields from a single scanning microwave radiometer aboard a moving platform " Part 1: Field trial results from the Wakasa Bay experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6685-6697.	4.9	3
30	Replacing pixel representations by point-function schemes for reducing discretization error in ill-posed remote sensing problems, with examples from cloud tomography. <i>Remote Sensing Letters</i> , 2010, 1, 95-102.	1.4	1
31	Physically based methodology for generating LAI and FPAR earth system data records from AVHRR and MODIS. , 2007, , .		0
32	Retrieving 3D canopy structure from synergistic analysis of multi-angle and lidar data. , 2007, , .		0
33	Optical instruments synergy in determination of optical depth of thin clouds. <i>EPJ Web of Conferences</i> , 2018, 176, 08008.	0.3	0