Dong Huang

List of Publications by Year
in descending order

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	Optical instruments synergy in determination of optical depth of thin clouds. EPJ Web of Conferences, 2018, 176, 08008.	0.3	0
2	Highâ€resolution photography of clouds from the surface: Retrieval of optical depth of thin clouds down to centimeter scales. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2898-2928.	3.3	15
3	Statistical characteristics of cloud variability. Part 1: Retrieved cloud liquid water path at three ARM sites. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,813-10,828.	3.3	9
4	Statistical characteristics of cloud variability. Part 2: Implication for parameterizations of microphysical and radiative transfer processes in climate models. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,829-10,843.	3.3	8
5	A novel approach for introducing cloud spatial structure into cloud radiative transfer parameterizations. Environmental Research Letters, 2014, 9, 124022.	5.2	4
6	Zenith/Nadir Pointing mm-Wave Radars: Linear or Circular Polarization?. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 628-639.	6.3	9
7	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
8	Toward understanding of differences in current cloud retrievals of ARM groundâ€based measurements. Journal of Geophysical Research, 2012, 117, .	3.3	107
9	Tomographic retrieval of cloud liquid water fields from a single scanning microwave radiometer aboard a moving platform â€“ Part 2: Observation system simulation experiments. Atmospheric Chemistry and Physics, 2010, 10, 6699-6709.	4.9	5
10	Tomographic retrieval of cloud liquid water fields from a single scanning microwave radiometer aboard a moving platform â€“ Part 1: Field trial results from the Wakasa Bay experiment. Atmospheric Chemistry and Physics, 2010, 10, 6685-6697.	4.9	3
11	Replacing pixel representations by point-function schemes for reducing discretization error in ill-posed remote sensing problems, with examples from cloud tomography. Remote Sensing Letters, 2010, 1, 95-102.	1.4	1
12	High resolution retrieval of liquid water vertical distributions using collocated Kaâ€band and Wâ€band cloud radars. Geophysical Research Letters, 2009, 36, .	4.0	18
13	Stochastic transport theory for investigating the three-dimensional canopy structure from space measurements. Remote Sensing of Environment, 2008, 112, 35-50.	11.0	97
14	Determination of cloud liquid water distribution using 3D cloud tomography. Journal of Geophysical Research, 2008, 113, .	3.3	25
15	Cloud tomography: Role of constraints and a new algorithm. Journal of Geophysical Research, 2008, 113, .	3.3	10
16	A first map of tropical Africaâ€™s above-ground biomass derived from satellite imagery. Environmental Research Letters, 2008, 3, 045011.	5.2	321
17	Physically based methodology for generating LAI and FPAR earth system data records from AVHRR and MODIS. , 2007, , .		0
18	Intraseasonal Interactions between Temperature and Vegetation over the Boreal Forests. Earth Interactions, 2007, 11, 1-30.	1.5	10

#	Article	IF	Citations
19	Retrieving 3D canopy structure from synergistic analysis of multi-angle and lidar data. , 2007, , .		0
20	Physical interpretation of the correlation between multiâ€angle spectral data and canopy height. Geophysical Research Letters, 2007, 34, .	4.0	40
21	Stochastic radiative transfer model for mixture of discontinuous vegetation canopies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 236-262.	2.3	27
22	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
23	Canopy spectral invariants for remote sensing and model applications. Remote Sensing of Environment, 2007, 106, 106-122.	11.0	129
24	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
25	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
26	MODIS leaf area index products: from validation to algorithm improvement. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1885-1898.	6.3	291
27	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
28	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
29	Feedbacks of Vegetation on Summertime Climate Variability over the North American Grasslands. Part II: A Coupled Stochastic Model. Earth Interactions, 2006, 10, 1-30.	1.5	7
30	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
31	Potential monitoring of crop production using a satellite-based Climate-Variability Impact Index. Agricultural and Forest Meteorology, 2005, 132, 344-358.	4.8	46
32	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
33	Validation of Moderate Resolution Imaging Spectroradiometer leaf area index product in croplands of Alpilles, France. Journal of Geophysical Research, 2005, 110, .	3.3	57