

Qiaozhen Mu

List of Publications by Year in descending order

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41
papers

8,697
citations

218677

26
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

8271
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the on-orbit response versus scan angle for Terra MODIS SWIR bands in Collection 7. <i>Journal of Applied Remote Sensing</i> , 2022, 16, .	1.3	4
2	Positional Dependence of SNPP VIIRS Solar Diffuser BRDF Change Factor: An Empirical Approach. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 8056-8061.	6.3	5
3	Assessment of SNPP VIIRS RSB detector-to-detector differences using deep convective clouds and deserts. <i>Journal of Applied Remote Sensing</i> , 2020, 14, 1.	1.3	5
4	MODIS detector differences using deep convective clouds and desert targets. , 2020, , .		1
5	MODIS Reflective Solar Bands On-Orbit Calibration and Performance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 6355-6371.	6.3	33
6	Results From the Deep Convective Clouds-Based Response Versus Scan-Angle Characterization for the MODIS Reflective Solar Bands. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1115-1128.	6.3	10
7	Exploring the stability and residual response versus scan angle effects in SNPP VIIRS sensor data record reflectance products using deep convective clouds. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	1.3	8
8	Assessment of Terra MODIS thermal emissive band calibration using cold targets and measurements in lunar roll events. , 2018, , .		3
9	Evaluating the long-term stability and response versus scan angle effect in the SNPP VIIRS SDR reflectance product using a deep convective cloud technique. , 2018, , .		3
10	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 55-74.	4.8	96
11	Optimization of a Deep Convective Cloud Technique in Evaluating the Long-Term Radiometric Stability of MODIS Reflective Solar Bands. <i>Remote Sensing</i> , 2017, 9, 535.	4.0	23
12	VIIRS Reflective Solar Band Radiometric and Stability Evaluation Using Deep Convective Clouds. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7009-7017.	6.3	14
13	Assessment of MODIS RSB detector uniformity using deep convective clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4783-4796.	3.3	11
14	Potential and Actual impacts of deforestation and afforestation on land surface temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,372.	3.3	112
15	Assessment of MODIS on-orbit calibration using a deep convective cloud technique. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
16	Assessing the remotely sensed Drought Severity Index for agricultural drought monitoring and impact analysis in North China. <i>Ecological Indicators</i> , 2016, 63, 296-309.	6.3	111
17	Using MODIS weekly evapotranspiration to monitor drought. <i>Proceedings of SPIE</i> , 2016, , .	0.8	5
18	A satellite-based hybrid algorithm to determine the Priestleyâ€“Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. <i>Remote Sensing of Environment</i> , 2015, 165, 216-233.	11.0	92

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19	Local cooling and warming effects of forests based on satellite observations. Nature Communications, 2015, 6, 6603.	12.8	392
20	Comparing Evapotranspiration from Eddy Covariance Measurements, Water Budgets, Remote Sensing, and Land Surface Models over Canadaa,b. Journal of Hydrometeorology, 2015, 16, 1540-1560.	1.9	75
21	Evaluation of NLDAS's evapotranspiration against tower flux site observations. Hydrological Processes, 2015, 29, 1757-1771.	2.6	49
22	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	11.0	217
23	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4521-4545.	3.3	146
24	A Remotely Sensed Global Terrestrial Drought Severity Index. Bulletin of the American Meteorological Society, 2013, 94, 83-98.	3.3	351
25	Satellite-derived estimates of forest leaf area index in southwest Western Australia are not tightly coupled to interannual variations in rainfall: implications for groundwater decline in a drying climate. Global Change Biology, 2013, 19, 2401-2412.	9.5	41
26	Global-Scale Estimation of Land Surface Heat Fluxes from Space. , 2013, , 249-282.		5
27	Validation of MODIS 16 global terrestrial evapotranspiration products in various climates and land cover types in Asia. KSCE Journal of Civil Engineering, 2012, 16, 229-238.	1.9	168
28	Remote Sensing and Modeling of Global Evapotranspiration. , 2012, , 443-480.		1
29	Upscaling key ecosystem functions across the conterminous United States by a water-centric ecosystem model. Journal of Geophysical Research, 2011, 116, .	3.3	159
30	Direct impacts on local climate of sugar-cane expansion in Brazil. Nature Climate Change, 2011, 1, 105-109.	18.8	208
31	Evolution of hydrological and carbon cycles under a changing climate. Hydrological Processes, 2011, 25, 4093-4102.	2.6	34
32	Improvements to a MODIS global terrestrial evapotranspiration algorithm. Remote Sensing of Environment, 2011, 115, 1781-1800.	11.0	2,025
33	Recent decline in the global land evapotranspiration trend due to limited moisture supply. Nature, 2010, 467, 951-954.	27.8	1,771
34	Satellite based analysis of northern ET trends and associated changes in the regional water balance from 1983 to 2005. Journal of Hydrology, 2009, 379, 92-110.	5.4	212
35	The net carbon drawdown of small scale afforestation from satellite observations. Global and Planetary Change, 2009, 69, 195-204.	3.5	56
36	Satellite assessment of land surface evapotranspiration for the pan-Arctic domain. Water Resources Research, 2009, 45, .	4.2	74

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37	Multi-sensor model-data fusion for estimation of hydrologic and energy flux parameters. Remote Sensing of Environment, 2008, 112, 1306-1319.	11.0	48
38	Contribution of increasing CO ₂ and climate change to the carbon cycle in China's ecosystems. Journal of Geophysical Research, 2008, 113, .	3.3	46
39	Evaluating water stress controls on primary production in biogeochemical and remote sensing based models. Journal of Geophysical Research, 2007, 112, .	3.3	108
40	Regional evaporation estimates from flux tower and MODIS satellite data. Remote Sensing of Environment, 2007, 106, 285-304.	11.0	623
41	Development of a global evapotranspiration algorithm based on MODIS and global meteorology data. Remote Sensing of Environment, 2007, 111, 519-536.	11.0	1,349