Qiaozhen Mu

List of Publications by Year
in descending order

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		218677	345221
41	8,697	26	36
papers	citations	h-index	g-index

41	41	41	8271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvements to a MODIS global terrestrial evapotranspiration algorithm. Remote Sensing of Environment, 2011, 115, 1781-1800.	11.0	2,025
2	Recent decline in the global land evapotranspiration trend due to limited moisture supply. Nature, 2010, 467, 951-954.	27.8	1,771
3	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
4	Regional evaporation estimates from flux tower and MODIS satellite data. Remote Sensing of Environment, 2007, 106, 285-304.	11.0	623
5	Local cooling and warming effects of forests based on satellite observations. Nature Communications, 2015, 6, 6603.	12.8	392
6	A Remotely Sensed Global Terrestrial Drought Severity Index. Bulletin of the American Meteorological Society, 2013, 94, 83-98.	3.3	351
7	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	11.0	217
8	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
9	Direct impacts on local climate of sugar-cane expansion in Brazil. Nature Climate Change, 2011, 1, 105-109.	18.8	208
10	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
11	Upscaling key ecosystem functions across the conterminous United States by a water-centric ecosystem model. Journal of Geophysical Research, 2011, 116, .	3.3	159
12	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
13	Potential and Actual impacts of deforestation and afforestation on land surface temperature. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,372.	3.3	112
14	Assessing the remotely sensed Drought Severity Index for agricultural drought monitoring and impact analysis in North China. Ecological Indicators, 2016, 63, 296-309.	6.3	111
15	Evaluating water stress controls on primary production in biogeochemical and remote sensing based models. Journal of Geophysical Research, 2007, 112, .	3.3	108
16	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. Agricultural and Forest Meteorology, 2017, 242, 55-74.	4.8	96
17	A satellite-based hybrid algorithm to determine the Priestleyâ€“Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. Remote Sensing of Environment, 2015, 165, 216-233.	11.0	92
18	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

#	Article	IF	Citations
19	Satellite assessment of land surface evapotranspiration for the panâ€Arctic domain. Water Resources Research, 2009, 45, .	4.2	74
20	The net carbon drawdown of small scale afforestation from satellite observations. Global and Planetary Change, 2009, 69, 195-204.	3.5	56
21	Evaluation of NLDASâ€2 evapotranspiration against tower flux site observations. Hydrological Processes, 2015, 29, 1757-1771.	2.6	49
22	Multi-sensor model-data fusion for estimation of hydrologic and energy flux parameters. Remote Sensing of Environment, 2008, 112, 1306-1319.	11.0	48
23	Contribution of increasing CO₂ and climate change to the carbon cycle in China's ecosystems. Journal of Geophysical Research, 2008, 113, .	3.3	46
24	Satelliteâ€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
25	Evolution of hydrological and carbon cycles under a changing climate. Hydrological Processes, 2011, 25, 4093-4102.	2.6	34
26	MODIS Reflective Solar Bands On-Orbit Calibration and Performance. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6355-6371.	6.3	33
27	Optimization of a Deep Convective Cloud Technique in Evaluating the Long-Term Radiometric Stability of MODIS Reflective Solar Bands. Remote Sensing, 2017, 9, 535.	4.0	23
28	VIIRS Reflective Solar Band Radiometric and Stability Evaluation Using Deep Convective Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7009-7017.	6.3	14
29	Assessment of MODIS RSB detector uniformity using deep convective clouds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4783-4796.	3.3	11
30	Results From the Deep Convective Clouds-Based Response Versus Scan-Angle Characterization for the MODIS Reflective Solar Bands. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1115-1128.	6.3	10
31	Exploring the stability and residual response versus scan angle effects in SNPP VIIRS sensor data record reflectance products using deep convective clouds. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	8
32	Global-Scale Estimation of Land Surface Heat Fluxes from Space. , 2013, , 249-282.		5
33	Positional Dependence of SNPP VIIRS Solar Diffuser BRDF Change Factor: An Empirical Approach. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8056-8061.	6.3	5
34	Using MODIS weekly evapotranspiration to monitor drought. Proceedings of SPIE, 2016, , .	0.8	5
35	Assessment of SNPP VIIRS RSB detector-to-detector differences using deep convective clouds and deserts. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	5
36	Characterization of the on-orbit response versus scan angle for Terra MODIS SWIR bands in Collection 7. Journal of Applied Remote Sensing, 2022, 16, .	1.3	4

#	Article	IF	Citations
37	Assessment of MODIS on-orbit calibration using a deep convective cloud technique. Proceedings of SPIE, 2016, , .	0.8	3
38	Assessment of Terra MODIS thermal emissive band calibration using cold targets and measurements in lunar roll events. , 2018, , .		3
39	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
40	Remote Sensing and Modeling of Global Evapotranspiration. , 2012, , 443-480.		1
41	MODIS detector differences using deep convective clouds and desert targets. , 2020, , .		1