Dandan Wang

List of Publications by Year
in descending order

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17	624	840776 11	888059 17
papers	citations	h-index	g-index

17	17	17	623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-temporal trajectory of the urban heat island centroid in Beijing, China based on a Gaussian volume model. Remote Sensing of Environment, 2014, 149, 33-46.	11.0	143
2	Time series decomposition of remotely sensed land surface temperature and investigation of trends and seasonal variations in surface urban heat islands. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2638-2657.	3.3	86
3	Maximum Nighttime Urban Heat Island (UHI) Intensity Simulation by Integrating Remotely Sensed Data and Meteorological Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 138-146.	4.9	78
4	Spatial-temporal variations of surface urban heat island intensity induced by different definitions of rural extents in China. Science of the Total Environment, 2019, 669, 229-247.	8.0	51
5	The Random Forest-Based Method of Fine-Resolution Population Spatialization by Using the International Space Station Nighttime Photography and Social Sensing Data. Remote Sensing, 2018, 10, 1650.	4.0	44
6	A hybrid method combining neighborhood information from satellite data with modeled diurnal temperature cycles over consecutive days. Remote Sensing of Environment, 2014, 155, 257-274.	11.0	39
7	Study of the Seasonal Effect of Building Shadows on Urban Land Surface Temperatures Based on Remote Sensing Data. Remote Sensing, 2019, 11, 497.	4.0	38
8	Assessment of thermal anisotropy on remote estimation of urban thermal inertia. Remote Sensing of Environment, 2012, 123, 12-24.	11.0	33
9	Uncertainty of city-based urban heat island intensity across 1112 global cities: Background reference and cloud coverage. Remote Sensing of Environment, 2022, 271, 112898.	11.0	28
10	A geometric model to simulate thermal anisotropy over a sparse urban surface (GUTA-sparse). Remote Sensing of Environment, 2018, 209, 263-274.	11.0	24
11	Interpolating diurnal surface temperatures of an urban facet using sporadic thermal observations. Building and Environment, 2012, 57, 239-252.	6.9	21
12	An advanced geometric model to simulate thermal anisotropy time-series for simplified urban neighborhoods (GUTA-T). Remote Sensing of Environment, 2020, 237, 111547.	11.0	12
13	Modeling of Nucleation and Growth in the Synthesis of PbS Colloidal Quantum Dots Under Variable Temperatures. ACS Omega, 2021, 6, 3701-3710.	3.5	8
14	Comparative Analysis of Variations and Patterns between Surface Urban Heat Island Intensity and Frequency across 305 Chinese Cities. Remote Sensing, 2021, 13, 3505.	4.0	7
15	The Influence of Sky View Factor on Daytime and Nighttime Urban Land Surface Temperature in Different Spatial-Temporal Scales: A Case Study of Beijing. Remote Sensing, 2021, 13, 4117.	4.0	6
16	Analyzing Spatiotemporal Variation Modes and Industry-Driving Force Research Using VIIRS Nighttime Light in China. Remote Sensing, 2020, 12, 2785.	4.0	3
17	Urban Thermal Anisotropy: A Comparison Among Observational and Modeling Approaches at Different Time Scales. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	3