Zunjian Bian

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3560858/publications.pdf

Version: 2024-02-01

30	518	623188 14	642321 23
papers	citations	h-index	g-index

30	30	30	327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of earth surface thermal radiation directionality observing and modeling: Historical development, current status and perspectives. Remote Sensing of Environment, 2019, 232, 111304.	4.6	91
2	Temperature-Based and Radiance-Based Validation of the Collection 6 MYD11 and MYD21 Land Surface Temperature Products Over Barren Surfaces in Northwestern China. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1794-1807.	2.7	56
3	Comparison of the MuSyQ and MODIS Collection 6 Land Surface Temperature Products Over Barren Surfaces in the Heihe River Basin, China. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8081-8094.	2.7	35
4	Estimation of Upward Longwave Radiation From Vegetated Surfaces Considering Thermal Directionality. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6644-6658.	2.7	34
5	Retrieval of Leaf, Sunlit Soil, and Shaded Soil Component Temperatures Using Airborne Thermal Infrared Multiangle Observations. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4660-4671.	2.7	31
6	Estimation of Surface Upward Longwave Radiation Using a Direct Physical Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4412-4426.	2.7	27
7	An analytical four-component directional brightness temperature model for crop and forest canopies. Remote Sensing of Environment, 2018, 209, 731-746.	4.6	27
8	A New Directional Canopy Emissivity Model Based on Spectral Invariants. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6911-6926.	2.7	26
9	A general framework of kernel-driven modeling in the thermal infrared domain. Remote Sensing of Environment, 2021, 252, 112157.	4.6	24
10	Evaluation of Four Kernel-Driven Models in the Thermal Infrared Band. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5456-5475.	2.7	19
11	Evaluation of Atmospheric Correction Methods for the ASTER Temperature and Emissivity Separation Algorithm Using Ground Observation Networks in the HiWATER Experiment. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3001-3014.	2.7	16
12	A semi-empirical approach for modeling the vegetation thermal infrared directional anisotropy of canopies based on using vegetation indices. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 136-148.	4.9	15
13	Modeling the directional anisotropy of fine-scale TIR emissions over tree and crop canopies based on UAV measurements. Remote Sensing of Environment, 2021, 252, 112150.	4.6	15
14	An Operational Split-Window Algorithm for Retrieving Land Surface Temperature from Geostationary Satellite Data: A Case Study on Himawari-8 AHI Data. Remote Sensing, 2020, 12, 2613.	1.8	14
15	Evaluation of Six High-Spatial Resolution Clear-Sky Surface Upward Longwave Radiation Estimation Methods with MODIS. Remote Sensing, 2020, 12, 1834.	1.8	14
16	Estimation of surface heat fluxes using multi-angular observations of radiative surface temperature. Remote Sensing of Environment, 2020, 239, 111674.	4.6	14
17	Modeling the Temporal Variability of Thermal Emissions From Row-Planted Scenes Using a Radiosity and Energy Budget Method. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6010-6026.	2.7	13
18	A TIR forest reflectance and transmittance (FRT) model for directional temperatures with structural and thermal stratification. Remote Sensing of Environment, 2022, 268, 112749.	4.6	13

#	Article	IF	Citations
19	A Robust Inversion Algorithm for Surface Leaf and Soil Temperatures Using the Vegetation Clumping Index. Remote Sensing, 2017, 9, 780.	1.8	10
20	Retrieving Soil and Vegetation Temperatures From Dual-Angle and Multipixel Satellite Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5536-5549.	2.3	7
21	The Effects of Tree Trunks on the Directional Emissivity and Brightness Temperatures of a Leaf-Off Forest Using a Geometric Optical Model. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5370-5386.	2.7	6
22	Modeling the Distributions of Brightness Temperatures of a Cropland Study Area Using a Model that Combines Fast Radiosity and Energy Budget Methods. Remote Sensing, 2018, 10, 736.	1.8	4
23	Assessment of Five Thermal Infrared Kernel-Driven Models Using Limited Multiangle Observations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
24	Modeling Directional Brightness Temperature (DBT) over Crop Canopy with Effects of Intra-Row Heterogeneity. Remote Sensing, 2020, 12, 2667.	1.8	2
25	Clear-sky land surface upward longwave radiation dataset derived from the ABI onboard the GOESâ€“16 satellite. Big Earth Data, 0, , 1-21.	2.0	2
26	Addendum: Bian, Z. et al. A Robust Inversion Algorithm for Surface Leaf and Soil Temperatures Using the Vegetation Clumping Index. Remote Sens. 2017, 9, 780. Remote Sensing, 2017, 9, 1039.	1.8	0
27	Progresses on Thermal Radiation Directionality Modeling for Vegetation Canopy. , 2019, , .		0
28	A Modified Interactive Spectral Smooth Temperature Emissivity Separation Algorithm for Low-Temperature Surface. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7643-7653.	2.7	0
29	Evaluation of Eight Thermal Infrared Kernel-Driven Models Using Limited Observations. , 2021, , .		0
30	Comparison between Physical and Empirical Methods for Simulating Surface Brightness Temperature Time Series. Remote Sensing, 2022, 14, 3385.	1.8	0