

# Shengbiao Wu

## List of Publications by Year in descending order

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41  
papers

796  
citations

516710

16  
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526287

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41  
docs citations

41  
times ranked

657  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Optical-“Thermal Surface”-Atmosphere Radiative Transfer Model Coupling Framework With Topographic Effects. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	2
2	Sloping Surface Reflectance: The Best Option for Satellite-Based Albedo Retrieval Over Mountainous Areas. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	3
3	Monitoring leaf phenology in moist tropical forests by applying a superpixel-based deep learning method to time-series images of tree canopies. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 183, 19-33.	11.1	15
4	Estimating Surface BRDF/Albedo Over Rugged Terrain Using an Extended Multisensor Combined BRDF Inversion (EMCBI) Model. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	7
5	Extending the GOSAILT Model to Simulate Sparse Woodland Bi-Directional Reflectance with Soil Reflectance Anisotropy Consideration. <i>Remote Sensing</i> , 2022, 14, 1001.	4.0	2
6	Beyond green environments: Multi-scale difference in human exposure to greenspace in China. <i>Environment International</i> , 2022, 166, 107348.	10.0	29
7	A new object-class based gap-filling method for PlanetScope satellite image time series. <i>Remote Sensing of Environment</i> , 2022, 280, 113136.	11.0	8
8	PLC-C: An Integrated Method for Sentinel-2 Topographic and Angular Normalization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1446-1450.	3.1	2
9	Quantifying leaf optical properties with spectral invariants theory. <i>Remote Sensing of Environment</i> , 2021, 253, 112131.	11.0	17
10	Monitoring tree-crown scale autumn leaf phenology in a temperate forest with an integration of PlanetScope and drone remote sensing observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 171, 36-48.	11.1	51
11	Spectroscopy outperforms leaf trait relationships for predicting photosynthetic capacity across different forest types. <i>New Phytologist</i> , 2021, 232, 134-147.	7.3	19
12	Remote Sensing of Seasonal Climatic Constraints on Leaf Phenology Across Pantropical Evergreen Forest Biome. <i>Earth's Future</i> , 2021, 9, e2021EF002160.	6.3	7
13	Automatic cloud and cloud shadow detection in tropical areas for PlanetScope satellite images. <i>Remote Sensing of Environment</i> , 2021, 264, 112604.	11.0	21
14	Aerodynamic resistance and Bowen ratio explain the biophysical effects of forest cover on understory air and soil temperatures at the global scale. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108615.	4.8	9
15	A comprehensive framework for seasonal controls of leaf abscission and productivity in evergreen broadleaved tropical and subtropical forests. <i>Innovation(China)</i> , 2021, 2, 100154.	9.1	19
16	Estimating near-infrared reflectance of vegetation from hyperspectral data. <i>Remote Sensing of Environment</i> , 2021, 267, 112723.	11.0	24
17	Improving Kernel-Driven BRDF Model for Capturing Vegetation Canopy Reflectance With Large Leaf Inclinations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2639-2655.	4.9	8
18	Spatiotemporal Variability of Land Surface Albedo over the Tibet Plateau from 2001 to 2019. <i>Remote Sensing</i> , 2020, 12, 1188.	4.0	19

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19	Multi-scale integration of satellite remote sensing improves characterization of dry-season green-up in an Amazon tropical evergreen forest. <i>Remote Sensing of Environment</i> , 2020, 246, 111865.	11.0	56
20	Derivation of Kernel Functions for Kernel-Driven Reflectance Model Over Sloping Terrain. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 396-409.	4.9	11
21	Impacts and Contributors of Representativeness Errors of <i>In-Situ</i> Albedo Measurements for the Validation of Remote Sensing Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9740-9755.	6.3	8
22	The definition of remotely sensed reflectance quantities suitable for rugged terrain. <i>Remote Sensing of Environment</i> , 2019, 225, 403-415.	11.0	25
23	Erratum to "algorithms for calculating topographic parameters and their uncertainties in downward surface solar radiation estimation" [aug 17 1149-1153]. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 160-160.	3.1	1
24	Impacts of DEM Geolocation Bias on Downward Surface Shortwave Radiation Estimation Over Clear-Sky Rugged Terrain: A Case Study in Dayekou Basin, China. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 10-14.	3.1	12
25	Modeling Discrete Forest Anisotropic Reflectance Over a Sloped Surface With an Extended GOMS and SAIL Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 944-957.	6.3	25
26	Modeling Anisotropic Reflectance Over Composite Sloping Terrain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3903-3923.	6.3	46
27	Spectral Invariant Provides a Practical Modeling Approach for Future Biophysical Variable Estimations. <i>Remote Sensing</i> , 2018, 10, 1508.	4.0	17
28	Surface Albedo Measurement Comparisons over Sloping Terrain with Two Different Radiometer Placements. , 2018, , .		0
29	An Improved Kernel-Driven BRDF Model Coupled with Topography: KDCT. , 2018, , .		2
30	Characterizing Land Surface Anisotropic Reflectance over Rugged Terrain: A Review of Concepts and Recent Developments. <i>Remote Sensing</i> , 2018, 10, 370.	4.0	93
31	March SST reconstruction in the South China Sea based on <i>Pinus massoniana</i> tree-ring widths from Changting, Fujian, in Southeast China since 1893â€CE. <i>Marine Micropaleontology</i> , 2018, 145, 21-27.	1.2	4
32	A Multi-Scale Validation Strategy for Albedo Products over Rugged Terrain and Preliminary Application in Heihe River Basin, China. <i>Remote Sensing</i> , 2018, 10, 156.	4.0	11
33	Algorithms for Calculating Topographic Parameters and Their Uncertainties in Downward Surface Solar Radiation (DSSR) Estimation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1149-1153.	3.1	15
34	PLC: A simple and semi-physical topographic correction method for vegetation canopies based on path length correction. <i>Remote Sensing of Environment</i> , 2018, 215, 184-198.	11.0	58
35	Characterization of Remote Sensing Albedo Over Sloped Surfaces Based on DART Simulations and In Situ Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8599-8622.	3.3	24
36	Simulation and Analysis of the Topographic Effects on Snow-Free Albedo over Rugged Terrain. <i>Remote Sensing</i> , 2018, 10, 278.	4.0	32

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37	Modeling Canopy Reflectance Over Sloping Terrain Based on Path Length Correction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4597-4609.	6.3	51
38	GOPF: A Geometric-Optical Model for Forest Plantations. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5230-5241.	6.3	16
39	Modeling anisotropic bidirectional reflectance of sloping forest. , 2017, , .		0
40	An Iterative BRDF/NDVI Inversion Algorithm Based on <i>A Posteriori</i> Variance Estimation of Observation Errors. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6481-6496.	6.3	12
41	Extracting Leaf Area Index by Sunlit Foliage Component from Downward-Looking Digital Photography under Clear-Sky Conditions. Remote Sensing, 2015, 7, 13410-13435.	4.0	15