Binbin He

List of Publications by Year
in descending order

79	2,081	236925	243625
papers	citations	25	44
		h-index	g-index

79	79	79	2154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimating Soil Moisture over Winter Wheat Fields during Growing Season Using RADARSAT-2 Data. Remote Sensing, 2022, 14, 2232.	4.0	3
2	Continuous woody vegetation biomass estimation based on temporal modeling of Landsat data. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102811.	1.9	0
3	Retrieving Soil Moisture Over Soybean Fields During Growing Season Through Polarimetric Decomposition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1132-1145.	4.9	5
4	Integrating remotely sensed fuel variables into wildfire danger assessment for China. International Journal of Wildland Fire, 2021, 30, 807-821.	2.4	11
5	Point-Based Weakly Supervised Learning for Object Detection in High Spatial Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5361-5371.	4.9	12
6	Application of Landsat ETM+ and OLI Data for Foliage Fuel Load Monitoring Using Radiative Transfer Model and Machine Learning Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5100-5110.	4.9	23
7	Forest Fuel Loads Estimation from Landsat ETM+ and ALOS PALSAR Data. Remote Sensing, 2021, 13, 1189.	4.0	7
8	A Physics-Guided Deep Learning Model for 10-h Dead Fuel Moisture Content Estimation. Forests, 2021, 12, 933.	2.1	13
9	Global fuel moisture content mapping from MODIS. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102354.	2.8	27
10	An improved dual-baseline PolInSAR method for forest height inversion. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102483.	2.8	3
11	Estimating Soil Moisture Over Winter Wheat Fields During Growing Season Using Machine-Learning Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3706-3718.	4.9	32
12	Wildfire Danger Assessment Over Southwest China Based on Short-Term Features of Weather and Fuel Variables. , 2021, , .		0
13	Three Problems in Forest Height Inversion Using P-Band Repeat-Pass Polinsar Data. , 2021, , .		0
14	Temporal Mapping of Grassland Aboveground Biomass in Qinghai Province from Landsat 8 and Sentinel-2. , 2021, , .		0
15	Improved Forest Biomass Estimation by Adding Time-Series Characteristics of Landsat Reflectance. , 2021, , .		0
16	An Improved Dual-Baseline PolInSAR Method for Forest Height Estimation Based on RMoG Model. , 2021, , .		0
17	Improving Land Cover Change Detection and Classification With BRDF Correction and Spatial Feature Extraction Using Landsat Time Series: A Case of Urbanization in Tianjin, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4166-4177.	4.9	22
18	Using Machine Learning for Estimating Rice Chlorophyll Content from In Situ Hyperspectral Data. Remote Sensing, 2020, 12, 3104.	4.0	41

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19	Remote Sensing of Burn Severity Using Coupled Radiative Transfer Model: A Case Study on Chinese Qinyuan Pine Fires. Remote Sensing, 2020, 12, 3590.	4.0	6
20	CSVM Architectures for Pixel-Wise Object Detection in High-Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6059-6070.	6.3	6
21	Potential of texture from SAR tomographic images for forest aboveground biomass estimation. International Journal of Applied Earth Observation and Geoinformation, 2020, 88, 102049.	2.8	11
22	A Remote Sensing and Meteorological Data-Based Methodology for Wildfire Danger Assessment for China. , 2020, , .		1
23	Assessment of the Effect of PROSAILH for Open and Closed Shrublands Live Fuel Moisture Content Retrieval. , 2020, , .		0
24	Assessment of the Dual Polarimetric Sentinel-1A Data for Forest Fuel Moisture Content Estimation. Remote Sensing, 2019, 11, 1568.	4.0	40
25	Improving Forest Height Retrieval by Reducing the Ambiguity of Volume-Only Coherence Using Multi-Baseline PolInSAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8853-8866.	6.3	19
26	Effects of Live Fuel Moisture Content on Wildfire Occurrence in Fire-Prone Regions over Southwest China. Forests, 2019, 10, 887.	2.1	43
27	Retrieving Surface Soil Moisture over Wheat and Soybean Fields during Growing Season Using Modified Water Cloud Model from Radarsat-2 SAR Data. Remote Sensing, 2019, 11, 1956.	4.0	27
28	Globe-LFMC, a global plant water status database for vegetation ecophysiology and wildfire applications. Scientific Data, 2019, 6, 155.	5.3	41
29	Fmask 4.0: Improved cloud and cloud shadow detection in Landsats 4â€"8 and Sentinel-2 imagery. Remote Sensing of Environment, 2019, 231, 111205.	11.0	248
30	Assessment of Different Vegetation Parameters for Parameterizing the Coupled Water Cloud Model and Advanced Integral Equation Model for Soil Moisture Retrieval Using Time Series Sentinel-1A Data. Photogrammetric Engineering and Remote Sensing, 2019, 85, 43-54.	0.6	14
31	Analysis of Impervious Surface Change and Economy in Tianjin, China Using Landsat Time Series Data. , 2019, , .		0
32	Estimation of Fuel Moisture Content Based on Quad Polarimetric Decomposition Parameters of Radarsat-2 Data. , 2019, , .		0
33	First Assessment of Dual Polarization Sentinel-1A Data for Fuel Moisture Content Retrieval. , 2019, , .		0
34	Solarâ€induced chlorophyll fluorescence exhibits a universal relationship with gross primary productivity across a wide variety of biomes. Global Change Biology, 2019, 25, e4.	9.5	31
35	Biomass estimation in dense tropical forest using multiple information from single-baseline P-band PolInSAR data. Remote Sensing of Environment, 2019, 221, 489-507.	11.0	29
36	Higher absorbed solar radiation partly offset the negative effects of water stress on the photosynthesis of Amazon forests during the 2015 drought. Environmental Research Letters, 2018, 13, 044005.	5.2	42

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37	The impacts of spatial baseline on forest canopy height model and digital terrain model retrieval using P-band PolInSAR data. Remote Sensing of Environment, 2018, 210, 403-421.	11.0	25
38	Chlorophyll fluorescence observed by OCO-2 is strongly related to gross primary productivity estimated from flux towers in temperate forests. Remote Sensing of Environment, 2018, 204, 659-671.	11.0	124
39	Retrieval of Fuel Moisture Content from Himawari-8 Product: Towards Real-Time Wildfire Risk Assessment. , 2018, , .		1
40	Estimation of Wildfire Spread Rate from Geostationary Satellite Data. , 2018, , .		1
41	Study on Theoretical Reserves of Water Energy and its Distribution Based on HYDRO30 Digital Drainage Network. , 2018, , .		0
42	Correlation Between Grace Terrestrial Water Storage Anomaly and TRMM Precipitation. , 2018, , .		0
43	Near Real-Time Extracting Wildfire Spread Rate from Himawari-8 Satellite Data. Remote Sensing, 2018, 10, 1654.	4.0	39
44	Solarâ€induced chlorophyll fluorescence is strongly correlated with terrestrial photosynthesis for a wide variety of biomes: First global analysis based on OCOâ€2 and flux tower observations. Global Change Biology, 2018, 24, 3990-4008.	9.5	264
45	Cloud and Cloud Shadow Detection for Landsat Images: The Fundamental Basis for Analyzing Landsat Time Series. , 2018, , 3-23.		15
46	Improving Fmask cloud and cloud shadow detection in mountainous area for Landsats 4â€"8 images. Remote Sensing of Environment, 2017, 199, 107-119.	11.0	98
47	Retrieval of forest fuel moisture content using a coupled radiative transfer model. Environmental Modelling and Software, 2017, 95, 290-302.	4.5	59
48	A radiative transfer model-based method for the estimation of grassland aboveground biomass. International Journal of Applied Earth Observation and Geoinformation, 2017, 54, 159-168.	2.8	68
49	First Assessment of Sentinel-1A Data for Surface Soil Moisture Estimations Using a Coupled Water Cloud Model and Advanced Integral Equation Model over the Tibetan Plateau. Remote Sensing, 2017, 9, 714.	4.0	77
50	Potential use of radarsat-2 polarimetric parameters for estimating soil moisture in prairie areas. , 2016, , .		2
51	A method for landslide susceptibility assessment integrating rough set and decision tree: A case study in Beichuan, China. , 2016, , .		5
52	Chlorophyll content estimation in arid grasslands from Landsat-8 OLI data. International Journal of Remote Sensing, 2016, 37, 615-632.	2.9	19
53	Retrieval of Grassland Live Fuel Moisture Content by Parameterizing Radiative Transfer Model With Interval Estimated LAI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 910-920.	4.9	23
54	A mineral resources quantitative assessment and 3D visualization system. , 2015, , .		2

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55	Method for soil moisture retrieval in arid prairie using TerraSAR-X data. Journal of Applied Remote Sensing, 2015, 9, 096062.	1.3	18
56	Modified enhanced vegetation index for reducing topographic effects. Journal of Applied Remote Sensing, 2015, 9, 096068.	1.3	22
57	Estimation of Grassland Live Fuel Moisture Content From Ratio of Canopy Water Content and Foliage Dry Biomass. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1903-1907.	3.1	23
58	Potential of Dubois model for soil moisture retrieval in prairie areas using SAR and optical data. International Journal of Remote Sensing, 2015, 36, 5737-5753.	2.9	27
59	Estimating the Aboveground Dry Biomass of Grass by Assimilation of Retrieved LAI Into a Crop Growth Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 550-561.	4.9	36
60	A Bayesian Network-Based Method to Alleviate the Ill-Posed Inverse Problem: A Case Study on Leaf Area Index and Canopy Water Content Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6507-6517.	6.3	62
61	A novel method for mineral prospectivity mapping integrating spatial-scene similarity and weights-of-evidence. Earth Science Informatics, 2015, 8, 393-409.	3.2	4
62	An Extended Fourier Approach to Improve the Retrieved Leaf Area Index (LAI) in a Time Series from an Alpine Wetland. Remote Sensing, 2014, 6, 1171-1190.	4.0	14
63	A Synergistic Methodology for Soil Moisture Estimation in an Alpine Prairie Using Radar and Optical Satellite Data. Remote Sensing, 2014, 6, 10966-10985.	4.0	72
64	An Extended Approach for Biomass Estimation in a Mixed Vegetation Area Using ASAR and TM Data. Photogrammetric Engineering and Remote Sensing, 2014, 80, 429-438.	0.6	9
65	A method for mineral prospectivity mapping integrating C4.5 decision tree, weights-of-evidence and m-branch smoothing techniques: a case study in the eastern Kunlun Mountains, China. Earth Science Informatics, 2014, 7, 13-24.	3.2	35
66	Retrieval of leaf area index in alpine wetlands using a two-layer canopy reflectance model. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 78-91.	2.8	29
67	Mineral prospectivity mapping integrating multi-source geology spatial data sets and logistic regression modelling. , 2011, , .		10
68	Estimation above-ground biomass of wetland bulrush in Qaidam Basin, China, combining regression model with vegetation index. , 2011, , .		1
69	Explorations of the implementation of a parallel IDW interpolation algorithm in a Linux cluster-based parallel GIS. Computers and Geosciences, 2011, 37, 426-434.	4.2	84
70	A spatial data mining method for mineral resources potential assessment. , 2011, , .		5
71	Uncertainty mapping method for mineral resources prospectivity integrating multi-source geology spatial data sets and evidence reasoning model. , 2011, , .		1
72	Locality perserving projections algorithm for hyperspectral image dimensionality reduction. , 2011, , .		25

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73	Gold resources potential assessment in eastern Kunlun Mountains of China combining weights-of-evidence model with GIS spatial analysis technique. Chinese Geographical Science, 2010, 20, 461-470.	3.0	11
74	Mining metallogenic association rules combining cloud model with Apriori algorithm. , 2010, , .		3
75	Hydrothermal alteration mapping using aster data in East Kunlun Mountains, China. , 2010, , .		1
76	Mineral Potential Mapping for Cu-Pb-Zn Deposits in the East Kunlun Region, Qinghai Province, China, Integrating Multi-source Geology Spatial Data Sets and Extended Weights-of-Evidence Modeling. GIScience and Remote Sensing, 2010, 47, 514-540.	5.9	8
77	Assessing spatial-temporal variation of heavy metals contamination of sediments using GIS 3D spatial analysis methods in Dexing mines, Jiangxi province, China. , 2007, , .		1
78	Assessment of heavy metals contamination in soils of Dexing region, Jiangxi Province, China. Diqiu Huaxue, 2006, 25, 27-28.	0.5	1
79	Spatial and temporal variation of heavy metal contamination in sediments of Dexing region, Jiangxi Province, China. Diqiu Huaxue, 2006, 25, 251-251.	0.5	0