

# Xiufeng He

## List of Publications by Year in descending order

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57  
papers

613  
citations

623734

14  
h-index

677142

22  
g-index

58  
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58  
docs citations

58  
times ranked

600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation and combination of quad-constellation multi-GNSS multipath reflectometry applied to sea level retrieval. <i>Remote Sensing of Environment</i> , 2019, 231, 111229.	11.0	55
2	Deformation Monitoring of Reservoir Dams Using GNSS: An Application to South-to-North Water Diversion Project, China. <i>IEEE Access</i> , 2019, 7, 54981-54992.	4.2	48
3	Water Availability of São Francisco River Basin Based on a Space-Borne Geodetic Sensor. <i>Water (Switzerland)</i> , 2016, 8, 213.	2.7	40
4	Estimating Total Discharge in the Yangtze River Basin Using Satellite-Based Observations. <i>Remote Sensing</i> , 2013, 5, 3415-3430.	4.0	36
5	The Influence of Polarimetric Parameters and an Object-Based Approach on Land Cover Classification in Coastal Wetlands. <i>Remote Sensing</i> , 2014, 6, 12575-12592.	4.0	33
6	Analysis and combination of multi-GNSS snow depth retrievals in multipath reflectometry. <i>GPS Solutions</i> , 2020, 24, 1.	4.3	27
7	Gaussian Half-Wavelength Progressive Decomposition Method for Waveform Processing of Airborne Laser Bathymetry. <i>Remote Sensing</i> , 2018, 10, 35.	4.0	24
8	Feasibility of easy-to-implement methods to analyze systematic errors of multipath, differential code bias, and inter-system bias for low-cost receivers. <i>GPS Solutions</i> , 2021, 25, 1.	4.3	23
9	Models, methods and assessment of four-frequency carrier ambiguity resolution for BeiDou-3 observations. <i>GPS Solutions</i> , 2020, 24, 1.	4.3	22
10	Real-time landslide monitoring of Pubugou hydropower resettlement zone using continuous GPS. <i>Natural Hazards</i> , 2013, 69, 1647-1660.	3.4	21
11	Millimeter to centimeter scale precision water-level monitoring using GNSS reflectometry: Application to the South-to-North Water Diversion Project, China. <i>Remote Sensing of Environment</i> , 2021, 265, 112645.	11.0	21
12	MEMS IMU and two-antenna GPS integration navigation system using interval adaptive Kalman filter. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2013, 28, 22-28.	1.3	19
13	Study on the Quality Control for Periodogram in the Determination of Water Level Using the GNSS-IR Technique. <i>Sensors</i> , 2019, 19, 4524.	3.8	19
14	Scattering Feature Set Optimization and Polarimetric SAR Classification Using Object-Oriented RF-SFS Algorithm in Coastal Wetlands. <i>Remote Sensing</i> , 2020, 12, 407.	4.0	16
15	Ocean Wave Separation Using CEEMD-Wavelet in GPS Wave Measurement. <i>Sensors</i> , 2015, 15, 19416-19428.	3.8	14
16	Integration of InSAR and GPS for hydraulic engineering. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 111-124.	0.9	13
17	Improving Short Term Clock Prediction for BDS-2 Real-Time Precise Point Positioning. <i>Sensors</i> , 2019, 19, 2762.	3.8	10
18	Snow Depth Estimation on Slopes Using GPS-Interferometric Reflectometry. <i>Sensors</i> , 2019, 19, 4994.	3.8	10

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19	Classification of coastal wetlands in eastern China using polarimetric SAR data. <i>Arabian Journal of Geosciences</i> , 2015, 8, 10203-10211.	1.3	9
20	Improving Clock Prediction Algorithm for BDS-2/3 Satellites Based on LS-SVM Method. <i>Remote Sensing</i> , 2019, 11, 2554.	4.0	9
21	Terrain Point Cloud Assisted GB-InSAR Slope and Pavement Deformation Differentiate Method in an Open-Pit Mine. <i>Sensors</i> , 2020, 20, 2337.	3.8	9
22	An Assessment of Recently Released High-Degree Global Geopotential Models Based on Heterogeneous Geodetic and Ocean Data. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
23	Distributed Orbit Determination for Global Navigation Satellite System with Inter-Satellite Link. <i>Sensors</i> , 2019, 19, 1031.	3.8	8
24	Coherent superposition of multi-GNSS wavelet analysis periodogram for sea-level retrieval in GNSS multipath reflectometry. <i>Advances in Space Research</i> , 2020, 65, 1781-1788.	2.6	8
25	Study on the Exploration of Spaceborne GNSS-R Raw Data Focusing on Altimetry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 6142-6154.	4.9	8
26	Real-Time Cycle Slip Detection and Repair Method for BDS-3 Five-Frequency Data. <i>IEEE Access</i> , 2021, 9, 51189-51201.	4.2	8
27	A Correction Method of Height Variation Error Based on One SNR Arc Applied in GNSS-IR Sea-Level Retrieval. <i>Remote Sensing</i> , 2022, 14, 11.	4.0	8
28	Effect of Cloud Fraction on Arctic Low-Level Temperature Inversions in AIRS Observations Over Both Land and Ocean. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 2025-2032.	6.3	7
29	Refinement of Mean Dynamic Topography Over Island Areas Using Airborne Gravimetry and Satellite Altimetry Data in the Northwestern South China Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021805.	3.4	6
30	Local Enhancement of Marine Gravity Field over the Spratly Islands by Combining Satellite SAR Altimeter-Derived Gravity Data. <i>Remote Sensing</i> , 2022, 14, 474.	4.0	6
31	A wavelet domain detail compensation filtering technique for InSAR interferograms. <i>International Journal of Remote Sensing</i> , 2011, 32, 7985-7995.	2.9	5
32	Validation of 7 Years in-Flight HY-2A Calibration Microwave Radiometer Products Using Numerical Weather Model and Radiosondes. <i>Remote Sensing</i> , 2019, 11, 1616.	4.0	5
33	The parameterization of mean dynamic topography based on the Lagrange basis functions. <i>Advances in Space Research</i> , 2020, 66, 2122-2140.	2.6	5
34	Calibrating the Haiyang-2A Calibration Microwave Radiometer When the 18.7-GHz Band Fails. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	5
35	Vertical and horizontal displacements of a reservoir slope due to slope aging effect, rainfall, and reservoir water. <i>Geodesy and Geodynamics</i> , 2021, 12, 266-278.	2.2	5
36	Rapid calibration of HY-2A satellite-borne microwave radiometer using coastal GNSS observations. <i>Journal of Geodesy</i> , 2022, 96, 1.	3.6	5

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37	Effects and disturbances on GPS-derived zenith tropospheric delay during the CONT08 campaign. <i>Advances in Space Research</i> , 2012, 50, 632-641.	2.6	4
38	Application of Gaofen-6 Images in the Downscaling of Land Surface Temperatures. <i>Remote Sensing</i> , 2022, 14, 2307.	4.0	4
39	An improved PolSAR image speckle reduction algorithm based on LMMSE and RICA. <i>Modern Physics Letters B</i> , 2017, 31, 1740033.	1.9	3
40	The Application of Robust Least Squares Method in Frequency Lock Loop Fusion for Global Navigation Satellite System Receivers. <i>Sensors</i> , 2020, 20, 1224.	3.8	3
41	Mean Dynamic Topography Modeling Based on Optimal Interpolation from Satellite Gravimetry and Altimetry Data. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5286.	2.5	3
42	Investigation on Geometry Computation of Spaceborne GNSS-R Altimetry over Topography: Modeling and Validation. <i>Remote Sensing</i> , 2022, 14, 2105.	4.0	3
43	Quality assessment of ZiYuan-3 multispectral and panchromatic images fusion: applied in Jiangsu coastal wetland area, China. <i>Journal of Applied Remote Sensing</i> , 2015, 9, 095089.	1.3	2
44	A novel partitioned matrix-based parameter update method embedded in variational Bayesian for underwater positioning. <i>IET Control Theory and Applications</i> , 2022, 16, 414-428.	2.1	2
45	Coastal Mean Dynamic Topography Recovery Based on Multivariate Objective Analysis by Combining Data from Synthetic Aperture Radar Altimeter. <i>Remote Sensing</i> , 2022, 14, 240.	4.0	2
46	Rock mass structural surface trace extraction based on transfer learning. <i>Open Geosciences</i> , 2022, 14, 98-110.	1.7	2
47	Analysis on the optimal system parameters of space-borne SAR for urban areas extraction. <i>Optik</i> , 2015, 126, 1236-1239.	2.9	1
48	Collision Probability Prediction and Orbit Maneuvering Probability Determination of Non-Cooperative Space Object Orbit. <i>Remote Sensing</i> , 2020, 12, 3310.	4.0	1
49	Development of an Imagewise Stacking Method to Mitigate Atmospheric Effect With an Application to Lianyan Railway. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4787-4797.	4.9	1
50	Comparison of the Segmentation Results of Two Carrier Tracking Loop Types and Analysis of Theoretical Influencing Factors. <i>Remote Sensing</i> , 2021, 13, 2035.	4.0	1
51	Rock mass structure surface extraction method using multiview images based on integration of multimodal semantic features and a full convolution neural network model. <i>Journal of Applied Remote Sensing</i> , 2022, 16, .	1.3	1
52	Sea Surface States Detection in Polar Regions Using Measurements of Ground-Based GNSS Interferometric Reflectometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	1
53	Spectrally Consistent Mean Dynamic Topography by Combining Mean Sea Surface and Global Geopotential Model Through a Least Squares-Based Approach. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	1
54	A Proposed Algorithm to Compute the Stress-Strain Plastic Region and Displacement of a Deep-Lying Tunnel Considering Intermediate Stress and Strain-Softening Behavior. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 85.	2.5	1

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55	An Orbital Error Correction Model Based on Triplet Network and Shrunk Estimation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
56	Monitoring land subsidence using interferometric synthetic aperture radar time-series analysis: a case of Shanghai Pilot Free Trade Zone. Journal of Applied Remote Sensing, 2022, 16, .	1.3	0
57	Numerical solution for circular tunnel excavated in strain-softening rock masses considering damaged zone. Scientific Reports, 2022, 12, 4465.	3.3	0