

Chisheng Wang

List of Publications by Year in descending order

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67
papers

951
citations

430874

18
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70
docs citations

70
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved DEM Reconstruction Method Based on Multibaseline InSAR. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
2	A Heterogeneous Access Metamodel for Efficient IoT Remote Sensing Observation Management: Taking Precision Agriculture as an Example. IEEE Internet of Things Journal, 2022, 9, 8616-8632.	8.7	5
3	High-Spatial-Resolution Nighttime Light Dataset Acquisition Based on Volunteered Passenger Aircraft Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	7
4	InSAR Crowdsourcing Annotation System With Volunteers Uploaded Photographs: Toward a Hazard Alerting System. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
5	Development of a single-wavelength airborne bathymetric LiDAR: System design and data processing. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 185, 62-84.	11.1	20
6	Coseismic Deformation Field Extraction and Fault Slip Inversion of the 2021 Yangbi MW 6.1 Earthquake, Yunnan Province, Based on Time-Series InSAR. Remote Sensing, 2022, 14, 1017.	4.0	4
7	A review of methods for mitigating ionospheric artifacts in differential SAR interferometry. Geodesy and Geodynamics, 2022, 13, 160-169.	2.2	5
8	Correlation Analysis Between Nighttime Light Data and Socioeconomic Factors on Fine Scales. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
9	Rupture Models of the 2016 Central Italy Earthquake Sequence from Joint Inversion of Strong-Motion and InSAR Datasets: Implications for Fault Behavior. Remote Sensing, 2022, 14, 1819.	4.0	1
10	A New Likelihood Function for Consistent Phase Series Estimation in Distributed Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	19
11	Volunteered remote sensing data generation with air passengers as sensors. International Journal of Digital Earth, 2021, 14, 158-180.	3.9	7
12	Detecting the Deformation Anomalies Induced by Underground Construction Using Multiplatform MT-InSAR: A Case Study in To Kwa Wan Station, Hong Kong. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9803-9814.	4.9	10
13	Time-Series Analysis on Persistent Scatter-Interferometric Synthetic Aperture Radar (PS-InSAR) Derived Displacements of the Hong Kongâ€Žuhaiâ€ŽMacao Bridge (HZMB) from Sentinel-1A Observations. Remote Sensing, 2021, 13, 546.	4.0	29
14	A heterogeneous key performance indicator metadata model for air quality monitoring in sustainable cities. Environmental Modelling and Software, 2021, 136, 104955.	4.5	2
15	Errors of Airborne Bathymetry LiDAR Detection Caused by Ocean Waves and Dimension-Based Laser Incidence Correction. Remote Sensing, 2021, 13, 1750.	4.0	13
16	Disaster Chain Analysis of Landfill Landslide: Scenario Simulation and Chain-Cutting Modeling. Sustainability, 2021, 13, 5032.	3.2	7
17	Use of Multiplatform SAR Imagery in Mining Deformation Monitoring with Dense Vegetation Coverage: A Case Study in the Fengfeng Mining Area, China. Remote Sensing, 2021, 13, 3091.	4.0	10
18	Phase unmixing of TerraSAR-X staring spotlight interferograms in building scale for PS height and deformation. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 14-28.	11.1	2

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19	A structure knowledge-synthetic aperture radar interferometry integration method for high-precision deformation monitoring and risk identification of sea-crossing bridges. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 103, 102476.	2.8	12
20	Differential Interferometric Synthetic Aperture Radar data for more accurate earthquake catalogs. <i>Remote Sensing of Environment</i> , 2021, 266, 112690.	11.0	13
21	Framework to Create Cloud-Free Remote Sensing Data Using Passenger Aircraft as the Platform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 6923-6936.	4.9	2
22	The 2020 Mw6.0 Jiashi Earthquake: A Fold Earthquake Event in the Southern Tian Shan, Northwest China. <i>Seismological Research Letters</i> , 2021, 92, 859-869.	1.9	18
23	Impact of ionosphere on InSAR observation and coseismic slip inversion: Improved slip model for the 2010 Maule, Chile, earthquake. <i>Remote Sensing of Environment</i> , 2021, 267, 112733.	11.0	5
24	Dynamic earth observation based on an urban skyline: A new remote sensing approach for urban emergency response. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2021, 51, 78-88.	0.5	0
25	A New Baseline Linear Combination Algorithm for Generating Urban Digital Elevation Models With Multitemporal InSAR Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1120-1133.	6.3	14
26	Multi-granularity hybrid parallel network simplex algorithm for minimum-cost flow problems. <i>Journal of Supercomputing</i> , 2020, 76, 9800-9826.	3.6	2
27	Characteristics of the Seismogenic Faults in the 2018 Lombok, Indonesia, Earthquake Sequence as Revealed by Inversion of InSAR Measurements. <i>Seismological Research Letters</i> , 2020, 91, 733-744.	1.9	23
28	Trajectory Drift-Compensated Solution of a Stereo RGB-D Mapping System. <i>Photogrammetric Engineering and Remote Sensing</i> , 2020, 86, 359-372.	0.6	1
29	A Classification Method of Land Cover Based on Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2020, , 48-54.	1.3	1
30	VOLUNTEERED REMOTE SENSING USING HANDHELD CAMERAS IN A PASSENGER AIRCRAFT. , 2020, , .		0
31	Three-dimensional fault geometry and kinematics of the 2008 M 7.1 Yutian earthquake revealed by very-high resolution satellite stereo imagery. <i>Remote Sensing of Environment</i> , 2019, 232, 111300.	11.0	4
32	Emergency Response Using Volunteered Passenger Aircraft Remote Sensing Data: A Case Study on Flood Damage Mapping. <i>Sensors</i> , 2019, 19, 4163.	3.8	6
33	A bridge-tailored multi-temporal DInSAR approach for remote exploration of deformation characteristics and mechanisms of complexly structured bridges. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 156, 27-50.	11.1	26
34	An Effective Method for Submarine Buried Pipeline Detection via Multi-Sensor Data Fusion. <i>IEEE Access</i> , 2019, 7, 125300-125309.	4.2	23
35	A Novel Effective Indicator of Weighted Inter-City Human Mobility Networks to Estimate Economic Development. <i>Sustainability</i> , 2019, 11, 6348.	3.2	4
36	ALOS-2 Observations of Subsidence in Shenzhen. , 2019, , .		0

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37	Visual analytics of aftershock point cloud data in complex fault systems. <i>Solid Earth</i> , 2019, 10, 1397-1407.	2.8	5
38	A New Algorithm for Retrieving Diffuse Attenuation Coefficient Based on Big LiDAR Bathymetry Data. <i>Lecture Notes in Computer Science</i> , 2019, , 133-142.	1.3	0
39	Supervised Optimal Scale Parameter Estimation for Multiscale Object-Based Landcover Classification. , 2019, , .		1
40	A method of establishing an instantaneous water level model for tide correction. <i>Ocean Engineering</i> , 2019, 171, 324-331.	4.3	21
41	A random forest classifier based on pixel comparison features for urban LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 148, 75-86.	11.1	45
42	Correction of Ionospheric Artifacts in SAR Data: Application to Fault Slip Inversion of 2009 Southern Sumatra Earthquake. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1327-1331.	3.1	13
43	Resolving Surface Displacements in Shenzhen of China from Time Series InSAR. <i>Remote Sensing</i> , 2018, 10, 1162.	4.0	26
44	An Improved Quadrilateral Fitting Algorithm for the Water Column Contribution in Airborne Bathymetric Lidar Waveforms. <i>Sensors</i> , 2018, 18, 552.	3.8	16
45	Formation of the 2015 Shenzhen landslide as observed by SAR shape-from-shading. <i>Scientific Reports</i> , 2017, 7, 43351.	3.3	13
46	Elastic block and strain modeling of GPS data around the Haiyuan-Liupanshan fault, northeastern Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2017, 150, 87-97.	2.3	25
47	Optimal sensor configuration for positioning seafloor geodetic node. <i>Ocean Engineering</i> , 2017, 142, 1-9.	4.3	9
48	A Triangular Prism Spatial Interpolation Method for Mapping Geological Property Fields. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 241.	2.9	7
49	An Improved Method for Power-Line Reconstruction from Point Cloud Data. <i>Remote Sensing</i> , 2016, 8, 36.	4.0	88
50	A Stochastic Geometry Method for Pylon Reconstruction from Airborne LiDAR Data. <i>Remote Sensing</i> , 2016, 8, 243.	4.0	19
51	Anatomy of Subsidence in Tianjin from Time Series InSAR. <i>Remote Sensing</i> , 2016, 8, 266.	4.0	33
52	Adaptive regularization of earthquake slip distribution inversion. <i>Tectonophysics</i> , 2016, 675, 181-195.	2.2	7
53	Mitigating Ionospheric Artifacts in Coseismic Interferogram Based on Offset Field Derived From ALOS-PALSAR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3050-3059.	4.9	15
54	Using an Integer Least Squares Estimator to Connect Isolated InSAR Fringes in Earthquake Slip Inversion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2899-2910.	6.3	4

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55	Land Subsidence over Oilfields in the Yellow River Delta. <i>Remote Sensing</i> , 2015, 7, 1540-1564.	4.0	29
56	Coseismic and postseismic slip models of the 2011 Van earthquake, Turkey, from InSAR, offset-tracking, MAI, and GPS observations. <i>Journal of Geodynamics</i> , 2015, 91, 39-50.	1.6	16
57	A comparison of waveform processing algorithms for single-wavelength LiDAR bathymetry. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 22-35.	11.1	97
58	Coseismic slip inversion based on InSAR arc measurements. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 649-656.	3.6	2
59	InSAR Coherence Estimation for Small Data Sets and Its Impact on Temporal Decorrelation Extraction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 6584-6596.	6.3	24
60	Equation-Based InSAR Data Quadtree Downsampling for Earthquake Slip Distribution Inversion. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 2060-2064.	3.1	15
61	The Improvement for Baran Phase Filter Derived From Unbiased InSAR Coherence. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 3002-3010.	4.9	18
62	Using finite element and Okada models to invert coseismic slip of the 2008 Mw 7.2 Yutian earthquake, China, from InSAR data. <i>Journal of Seismology</i> , 2013, 17, 347-360.	1.3	13
63	Slip distribution of the 2011 Tohoku earthquake derived from joint inversion of GPS, InSAR and seafloor GPS/acoustic measurements. <i>Journal of Asian Earth Sciences</i> , 2012, 57, 128-136.	2.3	22
64	Source characteristics of the Yutian earthquake in 2008 from inversion of the co-seismic deformation field mapped by InSAR. <i>Journal of Asian Earth Sciences</i> , 2011, 40, 935-942.	2.3	19
65	Slip distribution of the 2008 Wenchuan Ms 7.9 earthquake by joint inversion from GPS and InSAR measurements: a resolution test study. <i>Geophysical Journal International</i> , 2011, 186, 207-220.	2.4	41
66	Finite element method to invert coseismic slip of Yutian earthquake from InSAR. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
67	Application of IPTA to measurement of surface deformation across the Haiyuan fault. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0