Wanshou Jiang

List of Publications by Year
in descending order

43 papers	995 citations	516710 16 h-index	434195 31 g-index
43 all docs	43 docs citations	43 times ranked	873 citing authors

#	Article	IF	Citations
1	Efficient structure from motion for large-scale UAV images: A review and a comparison of SfM tools. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 230-251.	11.1	130
2	Investigation on the Weighted RANSAC Approaches for Building Roof Plane Segmentation from LiDAR Point Clouds. Remote Sensing, 2016, 8, 5.	4.0	92
3	UAV-Based Oblique Photogrammetry for Outdoor Data Acquisition and Offsite Visual Inspection of Transmission Line. Remote Sensing, 2017, 9, 278.	4.0	92
4	A Convolutional Neural Network-Based 3D Semantic Labeling Method for ALS Point Clouds. Remote Sensing, 2017, 9, 936.	4.0	73
5	A global optimization approach to roof segmentation from airborne lidar point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 94, 183-193.	11.1	72
6	OpenRS-Cloud: A remote sensing image processing platform based on cloud computing environment. Science China Technological Sciences, 2010, 53, 221-230.	4.0	46
7	Segmentation and Multi-Scale Convolutional Neural Network-Based Classification of Airborne Laser Scanner Data. Sensors, 2018, 18, 3347.	3.8	45
8	Efficient structure from motion for oblique UAV images based on maximal spanning tree expansion. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 132, 140-161.	11.1	38
9	On-Board GNSS/IMU Assisted Feature Extraction and Matching for Oblique UAV Images. Remote Sensing, 2017, 9, 813.	4.0	32
10	Efficient SfM for Oblique UAV Images: From Match Pair Selection to Geometrical Verification. Remote Sensing, 2018, 10, 1246.	4.0	29
11	Unmanned Aerial Vehicle-Based Photogrammetric 3D Mapping: A survey of techniques, applications, and challenges. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 135-171.	9.6	28
12	High-Precision Attitude Post-Processing and Initial Verification for the ZY-3 Satellite. Remote Sensing, 2015, 7, 111-134.	4.0	27
13	Reliable image matching via photometric and geometric constraints structured by Delaunay triangulation. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 153, 1-20.	11.1	26
14	Boundary-Assisted Learning for Building Extraction from Optical Remote Sensing Imagery. Remote Sensing, 2021, 13, 760.	4.0	26
15	Hierarchical motion consistency constraint for efficient geometrical verification in UAV stereo image matching. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 142, 222-242.	11.1	23
16	A Heuristic Method for Power Pylon Reconstruction from Airborne LiDAR Data. Remote Sensing, 2017, 9, 1172.	4.0	17
17	Building Height Extraction from GF-7 Satellite Images Based on Roof Contour Constrained Stereo Matching. Remote Sensing, 2022, 14, 1566.	4.0	17
18	A Novel Method for High-Voltage Bundle Conductor Reconstruction from Airborne LiDAR Data. Remote Sensing, 2018, 10, 2051.	4.0	15

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19	Efficient match pair selection for oblique UAV images based on adaptive vocabulary tree. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 61-75.	11.1	15
20	HRTT: A Hierarchical Roof Topology Structure for Robust Building Roof Reconstruction from Point Clouds. Remote Sensing, 2017, 9, 354.	4.0	13
21	Semantic Segmentation of Aerial Imagery via Split-Attention Networks with Disentangled Nonlocal and Edge Supervision. Remote Sensing, 2021, 13, 1176.	4.0	13
22	HMSM-Net: Hierarchical multi-scale matching network for disparity estimation of high-resolution satellite stereo images. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 314-330.	11.1	13
23	A Model-Driven Method for Pylon Reconstruction from Oblique UAV Images. Sensors, 2020, 20, 824.	3.8	11
24	3D Surface Matching by a Voxel-Based Buffer-Weighted Binary Descriptor. IEEE Access, 2019, 7, 86635-86650.	4.2	10
25	Reliable and Efficient UAV Image Matching via Geometric Constraints Structured by Delaunay Triangulation. Remote Sensing, 2020, 12, 3390.	4.0	10
26	An improved Douglas-Peucker algorithm for fast curve approximation. , 2010, , .		9
27	SAR image denoising in nonsubsampled contourlet transform domain based on maximum *a posteriori* and non-local constraint. Remote Sensing Letters, 2013, 4, 270-278.	1.4	8
28	Leveraging vocabulary tree for simultaneous match pair selection and guided feature matching of UAV images. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 273-293.	11.1	8
29	Semi-Supervised Classification based on Gaussian Mixture Model for remote imagery. Science China Technological Sciences, 2010, 53, 85-90.	4.0	7
30	Learned Local Features for Structure From Motion of UAV Images: A Comparative Evaluation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10583-10597.	4.9	7
31	MaskNet++: Inlier/outlier identification for two point clouds. Computers and Graphics, 2022, 103, 90-100.	2.5	7
32	Disparity Estimation of High-Resolution Remote Sensing Images with Dual-Scale Matching Network. Remote Sensing, 2021, 13, 5050.	4.0	7
33	Accelerated Multi-View Stereo for 3D Reconstruction of Transmission Corridor with Fine-Scale Power Line. Remote Sensing, 2021, 13, 4097.	4.0	6
34	Camera Self-Calibration with GNSS Constrained Bundle Adjustment for Weakly Structured Long Corridor UAV Images. Remote Sensing, 2021, 13, 4222.	4.0	6
35	Geometric Accuracy Improvement Method for High-Resolution Optical Satellite Remote Sensing Imagery Combining Multi-Temporal SAR Imagery and GLAS Data. Remote Sensing, 2020, 12, 568.	4.0	5
36	Using Training Samples Retrieved from a Topographic Map and Unsupervised Segmentation for the Classification of Airborne Laser Scanning Data. Remote Sensing, 2020, 12, 877.	4.0	5

#	Article	IF	Citations
37	Epipolar Rectification with Minimum Perspective Distortion for Oblique Images. Sensors, 2016, 16, 1870.	3.8	3
38	Production and characteristics of Sensor Corrected and geocoded ellipsoid corrected products. , 2010, , .		1
39	GPVC: Graphics Pipeline-Based Visibility Classification for Texture Reconstruction. Remote Sensing, 2018, 10, 1725.	4.0	1
40	A Ridgeline-Based Terrain Co-registration for Satellite LiDAR Point Clouds in Rough Areas. Remote Sensing, 2020, 12, 2163.	4.0	1
41	CAISOV: Collinear Affine Invariance and Scale-Orientation Voting for Reliable Feature Matching. Remote Sensing, 2022, 14, 3175.	4.0	1
42	Image fusion based on modulation method with resolution degradation and interpolation. , 2011, , .		0
43	High-Precision Attitude Post-Processing and Initial Verification for the ZY-3 Satellite. Remote Sensing, 2015, 7, 111-134.	4.0	0