

Qing Zhu

List of Publications by Year in descending order

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79
papers

1,752
citations

361413

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330143

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g-index

79
all docs

79
docs citations

79
times ranked

1382
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and Robust Matching for Multimodal Remote Sensing Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9059-9070.	6.3	219
2	MAP-Net: Multiple Attending Path Neural Network for Building Footprint Extraction From Remote Sensed Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6169-6181.	6.3	134
3	An augmented representation method of debris flow scenes to improve public perception. International Journal of Geographical Information Science, 0, , 1-24.	4.8	108
4	A Survey of Mobile Laser Scanning Applications and Key Techniques over Urban Areas. Remote Sensing, 2019, 11, 1540.	4.0	76
5	An improved segmentation approach for planar surfaces from unstructured 3D point clouds. Photogrammetric Record, 2010, 25, 5-23.	0.4	75
6	Integration of aerial oblique imagery and terrestrial imagery for optimized 3D modeling in urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 139, 119-132.	11.1	65
7	Global and Local Contrastive Self-Supervised Learning for Semantic Segmentation of HR Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	53
8	Integrated point and edge matching on poor textural images constrained by self-adaptive triangulations. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 68, 40-55.	11.1	52
9	Seed Point Selection Method for Triangle Constrained Image Matching Propagation. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 207-211.	3.1	51
10	Reliable Spatial Relationship Constrained Feature Point Matching of Oblique Aerial Images. Photogrammetric Engineering and Remote Sensing, 2015, 81, 49-58.	0.6	51
11	Research and practice in three-dimensional city modeling. Geo-Spatial Information Science, 2009, 12, 18-24.	5.3	43
12	A 3D Shape Descriptor Based on Contour Clusters for Damaged Roof Detection Using Airborne LiDAR Point Clouds. Remote Sensing, 2016, 8, 189.	4.0	41
13	A Hybrid Spatio-Temporal Data Indexing Method for Trajectory Databases. Sensors, 2014, 14, 12990-13005.	3.8	33
14	Joint Learning of Contour and Structure for Boundary-Preserved Building Extraction. Remote Sensing, 2021, 13, 1049.	4.0	33
15	An integrated geospatial information service system for disaster management in China. International Journal of Digital Earth, 2015, 8, 918-945.	3.9	31
16	A Dynamic Indoor Field Model for Emergency Evacuation Simulation. ISPRS International Journal of Geo-Information, 2017, 6, 104.	2.9	31
17	Unsupervised Feature Learning to Improve Transferability of Landslide Susceptibility Representations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3917-3930.	4.9	31
18	Robust Feature Matching Method for SAR and Optical Images by Using Gaussian-Gamma-Shaped Bi-Windows-Based Descriptor and Geometric Constraint. Remote Sensing, 2017, 9, 882.	4.0	30

#	ARTICLE	IF	CITATIONS
19	The construction of personalized virtual landslide disaster environments based on knowledge graphs and deep neural networks. <i>International Journal of Digital Earth</i> , 2020, 13, 1637-1655.	3.9	29
20	Enhanced RGB-D Mapping Method for Detailed 3D Indoor and Outdoor Modeling. <i>Sensors</i> , 2016, 16, 1589.	3.8	28
21	A NoSQL-MySQL Hybrid Organization and Management Approach for Real-Time Geospatial Data: A Case Study of Public Security Video Surveillance. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 21.	2.9	27
22	An asymmetric re-weighting method for the precision combined bundle adjustment of aerial oblique images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 117, 92-107.	11.1	22
23	Optimization of simulation and visualization analysis of dam-failure flood disaster for diverse computing systems. <i>International Journal of Geographical Information Science</i> , 2017, 31, 1891-1906.	4.8	22
24	Construction and Optimization of Three-Dimensional Disaster Scenes within Mobile Virtual Reality. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 215.	2.9	22
25	Knowledge-based building reconstruction from terrestrial video sequences. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010, 65, 395-408.	11.1	21
26	Hierarchical Regularization of Building Boundaries in Noisy Aerial Laser Scanning and Photogrammetric Point Clouds. <i>Remote Sensing</i> , 2018, 10, 1996.	4.0	21
27	Tunnel vision optimization method for VR flood scenes based on Gaussian blur. <i>International Journal of Digital Earth</i> , 2021, 14, 821-835.	3.9	20
28	Attention Enhanced U-Net for Building Extraction from Farmland Based on Google and WorldView-2 Remote Sensing Images. <i>Remote Sensing</i> , 2021, 13, 4411.	4.0	19
29	Free multi-floor indoor space extraction from complex 3D building models. <i>Earth Science Informatics</i> , 2017, 10, 69-83.	3.2	18
30	A Virtual Geographic Environment for Debris Flow Risk Analysis in Residential Areas. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 377.	2.9	17
31	A new algorithm for landslide geometric and deformation analysis supported by digital elevation models. <i>Earth Science Informatics</i> , 2020, 13, 361-375.	3.2	17
32	Investigations of disaster information representation from a geospatial perspective: Progress, challenges and recommendations. <i>Transactions in GIS</i> , 2022, 26, 1376-1398.	2.3	17
33	An integrated virtual geographic environmental simulation framework: a case study of flood disaster simulation. <i>Geo-Spatial Information Science</i> , 2014, 17, 190-200.	5.3	16
34	Developing an Algorithm for Buildings Extraction and Determining Changes from Airborne LiDAR, and Comparing with R-CNN Method from Drone Images. <i>Remote Sensing</i> , 2019, 11, 1272.	4.0	16
35	A Novel Keypoint Detector Combining Corners and Blobs for Remote Sensing Image Registration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 451-455.	3.1	16
36	3D City Models Based Spatial Analysis to Urban Design. <i>Annals of GIS</i> , 2004, 10, 82-86.	3.1	14

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37	Combined Rule-Based and Hypothesis-Based Method for Building Model Reconstruction from Photogrammetric Point Clouds. <i>Remote Sensing</i> , 2021, 13, 1107.	4.0	14
38	Adaptive Construction of the Virtual Debris Flow Disaster Environments Driven by Multilevel Visualization Task. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 209.	2.9	12
39	Semantics-based 3D dynamic hierarchical house property model. <i>International Journal of Geographical Information Science</i> , 2010, 24, 165-188.	4.8	10
40	Semantics-Constrained Advantageous Information Selection of Multimodal Spatiotemporal Data for Landslide Disaster Assessment. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 68.	2.9	10
41	A reliable traffic prediction approach for bike-sharing system by exploiting rich information with temporal link prediction strategy. <i>Transactions in GIS</i> , 2019, 23, 1125-1151.	2.3	10
42	Structure-aware completion of photogrammetric meshes in urban road environment. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 175, 56-70.	11.1	10
43	Design and implementation of 3D model database for general-purpose 3D GIS. <i>Geo-Spatial Information Science</i> , 2010, 13, 210-215.	5.3	9
44	Multientity Registration of Point Clouds for Dynamic Objects on Complex Floating Platform Using Object Silhouettes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 769-783.	6.3	9
45	Depth-enhanced feature pyramid network for occlusion-aware verification of buildings from oblique images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 174, 105-116.	11.1	9
46	Three-dimensional TIN algorithm for digital terrain modeling. <i>Geo-Spatial Information Science</i> , 2008, 11, 79-85.	5.3	8
47	GeoScope: Full 3D geospatial information system case study. <i>Geo-Spatial Information Science</i> , 2011, 14, 150-156.	5.3	8
48	Efficient interactions for reconstructing complex buildings via joint photometric and geometric saliency segmentation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 175, 416-430.	11.1	8
49	Interactive Correction of a Distorted Street-View Panorama for Efficient 3-D Façade Modeling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 2125-2129.	3.1	8
50	Geometrical Segmentation of Multi-Shape Point Clouds Based on Adaptive Shape Prediction and Hybrid Voting RANSAC. <i>Remote Sensing</i> , 2022, 14, 2024.	4.0	8
51	Multi-level voxel representations for digital twin models of tunnel geological environment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 112, 102887.	1.9	8
52	A template-based knowledge reuse method for generating multitype 3D railway scenes. <i>International Journal of Digital Earth</i> , 2018, 11, 179-194.	3.9	7
53	DAPnet: A Double Self-Attention Convolutional Network for Point Cloud Semantic Labeling. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 9680-9691.	4.9	7
54	Modeling mangrove responses to multi-decadal climate change and anthropogenic impacts using a long-term time series of satellite imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102390.	2.8	7

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55	Non-cooperative Game Based QoS-Aware Web Services Composition Approach for Concurrent Tasks. , 2011, , .		6
56	Intact Planar Abstraction of Buildings via Global Normal Refinement from Noisy Oblique Photogrammetric Point Clouds. ISPRS International Journal of Geo-Information, 2018, 7, 431.	2.9	6
57	An Efficient Graph-Based Spatio-Temporal Indexing Method for Task-Oriented Multi-Modal Scene Data Organization. ISPRS International Journal of Geo-Information, 2018, 7, 371.	2.9	6
58	Semantic Visual Variables for Augmented Geovisualization. Cartographic Journal, 2020, 57, 43-56.	1.5	6
59	An On-Demand Retrieval Method Based on Hybrid NoSQL for Multi-Layer Image Tiles in Disaster Reduction Visualization. ISPRS International Journal of Geo-Information, 2017, 6, 8.	2.9	5
60	Estimation of Landslides and Road Capacity after August 8, 2017, MS7.0 Jiuzhaigou Earthquake Using High-Resolution Remote Sensing Images. Advances in Civil Engineering, 2020, 2020, 1-11.	0.7	5
61	Dynamic Simulation Method of High-Speed Railway Engineering Construction Processes Based on Virtual Geographic Environment. ISPRS International Journal of Geo-Information, 2020, 9, 292.	2.9	5
62	GGSOR: A Gaussian-Gamma-Shaped bi-windows based descriptor for optical and SAR images matching. , 2015, , .		4
63	Optimized Spatiotemporal Data Scheduling Based on Maximum Flow for Multilevel Visualization Tasks. ISPRS International Journal of Geo-Information, 2020, 9, 518.	2.9	4
64	Knowledge-guided consistent correlation analysis of multimode landslide monitoring data. International Journal of Geographical Information Science, 2017, 31, 2255-2271.	4.8	3
65	Movement-Oriented Objectified Organization and Retrieval Approach for Heterogeneous GeoVideo Data. ISPRS International Journal of Geo-Information, 2018, 7, 255.	2.9	3
66	Meta-learning an intermediate representation for few-shot prediction of landslide susceptibility in large areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102807.	1.9	3
67	Real-time control of human actions using inertial sensors. Science China Information Sciences, 2014, 57, 1-11.	4.3	2
68	A real-time geo-processing database engine linking calculations and storage for VGE. Annals of GIS, 2015, 21, 265-274.	3.1	2
69	Accurate estimation of feature points based on individual projective plane in video sequence. Visual Computer, 2020, 36, 2091-2103.	3.5	2
70	An Interband Registration Method for Hyperspectral Images Based on Adaptive Iterative Clustering. Remote Sensing, 2021, 13, 1491.	4.0	2
71	Integrated data-model-knowledge representation for natural resource entities. International Journal of Digital Earth, 2022, 15, 653-678.	3.9	2
72	Unsupervised video-to-video translation with preservation of frame modification tendency. Visual Computer, 2020, 36, 2105-2116.	3.5	1

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73	Global Registration of Multiview Unordered Forest Point Clouds Guided by Common Subgraphs. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	1
74	Unsupervised multi-domain image translation with domain representation learning. Signal Processing: Image Communication, 2021, 99, 116452.	3.2	1
75	A dynamic snow accumulation simulation approach for forecasting snow distribution over regional-scale terrain. Transactions in GIS, 2022, 26, 1421-1443.	2.3	1
76	Optimal Self-Calibration Strategies in the Combined Bundle Adjustment of Aerial-Terrestrial Integrated Images. Remote Sensing, 2022, 14, 1969.	4.0	1
77	Spatial Data Dynamic Balancing Distribution Method for Parallel Spatial Database. , 2009, , .		0
78	Spatial data declustering method considering spatial locality for parallel spatial database. , 2010, , .		0
79	Co-DGAN: cooperating discriminator generative adversarial networks for unpaired image-to-image translation. Soft Computing, 2021, 25, 4653-4662.	3.6	0