# Qing Zhu

## List of Publications by Year
## in descending order

| 79 papers | 1,752 citations | 361413 20 h-index | 330143 37 g-index |
|---|---|---|---|
| 79 all docs | 79 docs citations | 79 times ranked | 1382 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Integrated data-model-knowledge representation for natural resource entities. International Journal of Digital Earth, 2022, 15, 653-678. | 3.9 | 2 |
| 4 | A dynamic snow accumulation simulation approach for forecasting snow distribution over regionalâ€scale terrain. Transactions in GIS, 2022, 26, 1421-1443. | 2.3 | 1 |
| 5 | Investigations of disaster information representation from a geospatial perspective: Progress, challenges and recommendations. Transactions in GIS, 2022, 26, 1376-1398. | 2.3 | 17 |
| 6 | Optimal Self-Calibration Strategies in the Combined Bundle Adjustment of Aerialâ€"Terrestrial Integrated Images. Remote Sensing, 2022, 14, 1969. | 4.0 | 1 |
| 7 | Geometrical Segmentation of Multi-Shape Point Clouds Based on Adaptive Shape Prediction and Hybrid Voting RANSAC. Remote Sensing, 2022, 14, 2024. | 4.0 | 8 |
| 8 | 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 |
| 9 | Multi-level voxel representations for digital twin models of tunnel geological environment. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102887. | 1.9 | 8 |
| 10 | A Novel Keypoint Detector Combining Corners and Blobs for Remote Sensing Image Registration. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 451-455. | 3.1 | 16 |
| 11 | 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 |
| 12 | Multientity Registration of Point Clouds for Dynamic Objects on Complex Floating Platform Using Object Silhouettes. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 769-783. | 6.3 | 9 |
| 13 | DAPnet: A Double Self-Attention Convolutional Network for Point Cloud Semantic Labeling. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9680-9691. | 4.9 | 7 |
| 14 | Co-DGAN: cooperating discriminator generative adversarial networks for unpaired image-to-image translation. Soft Computing, 2021, 25, 4653-4662. | 3.6 | 0 |
| 15 | Tunnel vision optimization method for VR flood scenes based on Gaussian blur. International Journal of Digital Earth, 2021, 14, 821-835. | 3.9 | 20 |
| 16 | Joint Learning of Contour and Structure for Boundary-Preserved Building Extraction. Remote Sensing, 2021, 13, 1049. | 4.0 | 33 |
| 17 | Combined Rule-Based and Hypothesis-Based Method for Building Model Reconstruction from Photogrammetric Point Clouds. Remote Sensing, 2021, 13, 1107. | 4.0 | 14 |
| 18 | An Interband Registration Method for Hyperspectral Images Based on Adaptive Iterative Clustering. Remote Sensing, 2021, 13, 1491. | 4.0 | 2 |

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|---|---------|-----|-----------|
| 19 | Depth-enhanced feature pyramid network for occlusion-aware verification of buildings from oblique images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 105-116. | 11.1 | 9 |
| 20 | Structure-aware completion of photogrammetric meshes in urban road environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 56-70. | 11.1 | 10 |
| 21 | Efficient interactions for reconstructing complex buildings via joint photometric and geometric saliency segmentation. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 416-430. | 11.1 | 8 |
| 22 | Modeling mangrove responses to multi-decadal climate change and anthropogenic impacts using a long-term time series of satellite imagery. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102390. | 2.8 | 7 |
| 23 | Unsupervised multi-domain image translation with domain representation learning. Signal Processing: Image Communication, 2021, 99, 116452. | 3.2 | 1 |
| 24 | Attention Enhanced U-Net for Building Extraction from Farmland Based on Google and WorldView-2 Remote Sensing Images. Remote Sensing, 2021, 13, 4411. | 4.0 | 19 |
| 25 | Semantic Visual Variables for Augmented Geovisualization. Cartographic Journal, 2020, 57, 43-56. | 1.5 | 6 |
| 26 | A new algorithm for landslide geometric and deformation analysis supported by digital elevation models. Earth Science Informatics, 2020, 13, 361-375. | 3.2 | 17 |
| 27 | 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 |
| 28 | Accurate estimation of feature points based on individual projective plane in video sequence. Visual Computer, 2020, 36, 2091-2103. | 3.5 | 2 |
| 29 | Unsupervised video-to-video translation with preservation of frame modification tendency. Visual Computer, 2020, 36, 2105-2116. | 3.5 | 1 |
| 30 | 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 |
| 31 | Optimized Spatiotemporal Data Scheduling Based on Maximum Flow for Multilevel Visualization Tasks. ISPRS International Journal of Geo-Information, 2020, 9, 518. | 2.9 | 4 |
| 32 | 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 |
| 33 | The construction of personalized virtual landslide disaster environments based on knowledge graphs and deep neural networks. International Journal of Digital Earth, 2020, 13, 1637-1655. | 3.9 | 29 |
| 34 | Interactive Correction of a Distorted Street-View Panorama for Efficient 3-D Façade Modeling. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 2125-2129. | 3.1 | 8 |
| 35 | Semantics-Constrained Advantageous Information Selection of Multimodal Spatiotemporal Data for Landslide Disaster Assessment. ISPRS International Journal of Geo-Information, 2019, 8, 68. | 2.9 | 10 |
| 36 | A Survey of Mobile Laser Scanning Applications and Key Techniques over Urban Areas. Remote Sensing, 2019, 11, 1540. | 4.0 | 76 |

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|---|---------|-----|-----------|
| 37 | Fast and Robust Matching for Multimodal Remote Sensing Image Registration. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9059-9070. | 6.3 | 219 |
| 38 | A reliable traffic prediction approach for bike‑sharing system by exploiting rich information with temporal link prediction strategy. Transactions in GIS, 2019, 23, 1125-1151. | 2.3 | 10 |
| 39 | Developing an Algorithm for Buildings Extraction and Determining Changes from Airborne LiDAR, and Comparing with R-CNN Method from Drone Images. Remote Sensing, 2019, 11, 1272. | 4.0 | 16 |
| 40 | Adaptive Construction of the Virtual Debris Flow Disaster Environments Driven by Multilevel Visualization Task. ISPRS International Journal of Geo-Information, 2019, 8, 209. | 2.9 | 12 |
| 41 | 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 |
| 42 | A template-based knowledge reuse method for generating multitype 3D railway scenes. International Journal of Digital Earth, 2018, 11, 179-194. | 3.9 | 7 |
| 43 | Hierarchical Regularization of Building Boundaries in Noisy Aerial Laser Scanning and Photogrammetric Point Clouds. Remote Sensing, 2018, 10, 1996. | 4.0 | 21 |
| 44 | 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 |
| 45 | 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 |
| 46 | Construction and Optimization of Three-Dimensional Disaster Scenes within Mobile Virtual Reality. ISPRS International Journal of Geo-Information, 2018, 7, 215. | 2.9 | 22 |
| 47 | Movement-Oriented Objectified Organization and Retrieval Approach for Heterogeneous GeoVideo Data. ISPRS International Journal of Geo-Information, 2018, 7, 255. | 2.9 | 3 |
| 48 | Optimization of simulation and visualization analysis of dam-failure flood disaster for diverse computing systems. International Journal of Geographical Information Science, 2017, 31, 1891-1906. | 4.8 | 22 |
| 49 | Free multi-floor indoor space extraction from complex 3D building models. Earth Science Informatics, 2017, 10, 69-83. | 3.2 | 18 |
| 50 | Knowledge-guided consistent correlation analysis of multimode landslide monitoring data. International Journal of Geographical Information Science, 2017, 31, 2255-2271. | 4.8 | 3 |
| 51 | 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 |
| 52 | A NoSQL‑SQL Hybrid Organization and Management Approach for Real-Time Geospatial Data: A Case Study of Public Security Video Surveillance. ISPRS International Journal of Geo-Information, 2017, 6, 21. | 2.9 | 27 |
| 53 | A Dynamic Indoor Field Model for Emergency Evacuation Simulation. ISPRS International Journal of Geo-Information, 2017, 6, 104. | 2.9 | 31 |
| 54 | A Virtual Geographic Environment for Debris Flow Risk Analysis in Residential Areas. ISPRS International Journal of Geo-Information, 2017, 6, 377. | 2.9 | 17 |

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| 55 | 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 |
| 56 | 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 |
| 57 | Enhanced RGB-D Mapping Method for Detailed 3D Indoor and Outdoor Modeling. Sensors, 2016, 16, 1589. | 3.8 | 28 |
| 58 | An asymmetric re-weighting method for the precision combined bundle adjustment of aerial oblique images. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 117, 92-107. | 11.1 | 22 |
| 59 | Reliable Spatial Relationship Constrained Feature Point Matching of Oblique Aerial Images. Photogrammetric Engineering and Remote Sensing, 2015, 81, 49-58. | 0.6 | 51 |
| 60 | GGSOR: A Gaussian-Gamma-Shaped bi-windows based descriptor for optical and SAR images matching. , 2015, , . | | 4 |
| 61 | A real-time geo-processing database engine linking calculations and storage for VGE. Annals of GIS, 2015, 21, 265-274. | 3.1 | 2 |
| 62 | An integrated geospatial information service system for disaster management in China. International Journal of Digital Earth, 2015, 8, 918-945. | 3.9 | 31 |
| 63 | A Hybrid Spatio-Temporal Data Indexing Method for Trajectory Databases. Sensors, 2014, 14, 12990-13005. | 3.8 | 33 |
| 64 | An integrated virtual geographic environmental simulation framework: a case study of flood disaster simulation. Geo-Spatial Information Science, 2014, 17, 190-200. | 5.3 | 16 |
| 65 | Real-time control of human actions using inertial sensors. Science China Information Sciences, 2014, 57, 1-11. | 4.3 | 2 |
| 66 | 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 |
| 67 | Non-cooperative Game Based QoS-Aware Web Services Composition Approach for Concurrent Tasks. , 2011, , . | | 6 |
| 68 | GeoScope: Full 3D geospatial information system case study. Geo-Spatial Information Science, 2011, 14, 150-156. | 5.3 | 8 |
| 69 | Knowledge-based building reconstruction from terrestrial video sequences. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 395-408. | 11.1 | 21 |
| 70 | Design and implementation of 3D model database for general-purpose 3D GIS. Geo-Spatial Information Science, 2010, 13, 210-215. | 5.3 | 9 |
| 71 | An improved segmentation approach for planar surfaces from unstructured 3D point clouds. Photogrammetric Record, 2010, 25, 5-23. | 0.4 | 75 |
| 72 | Semantics–based 3D dynamic hierarchical house property model. International Journal of Geographical Information Science, 2010, 24, 165-188. | 4.8 | 10 |

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| 73 | Spatial data declustering method considering spatial locality for parallel spatial database. , 2010, , . | | 0 |
| 74 | Spatial Data Dynamic Balancing Distribution Method for Parallel Spatial Database. , 2009, , . | | 0 |
| 75 | Research and practice in three-dimensional city modeling. Geo-Spatial Information Science, 2009, 12, 18-24. | 5.3 | 43 |
| 76 | Three-dimensional TIN algorithm for digital terrain modeling. Geo-Spatial Information Science, 2008, 11, 79-85. | 5.3 | 8 |
| 77 | Seed Point Selection Method for Triangle Constrained Image Matching Propagation. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 207-211. | 3.1 | 51 |
| 78 | 3D City Models Based Spatial Analysis to Urban Design. Annals of GIS, 2004, 10, 82-86. | 3.1 | 14 |
| 79 | An augmented representation method of debris flow scenes to improve public perception. International Journal of Geographical Information Science, 0, , 1-24. | 4.8 | 108 |