

Liqiang Zhang

List of Publications by Year in descending order

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53
papers

1,483
citations

279798

23
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345221

36
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53
all docs

53
docs citations

53
times ranked

1365
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | DS ⁴ L: Deep Semisupervised Shared Subspace Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 3 |
| 2 | Ambient temperatures associated with increased risk of motor vehicle crashes in New York and Chicago. Science of the Total Environment, 2022, 830, 154731. | 8.0 | 7 |
| 3 | DSL-BC: Deep Subspace Learning With Boundary Consistency for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 1 |
| 4 | DRFL-VAT: Deep Representative Feature Learning With Virtual Adversarial Training for Semisupervised Classification of Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 3 |
| 5 | A Dense Feature Pyramid Network-Based Deep Learning Model for Road Marking Instance Segmentation Using MLS Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 784-800. | 6.3 | 27 |
| 6 | Hierarchical Aggregated Deep Features for ALS Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1686-1699. | 6.3 | 12 |
| 7 | SLCRF: Subspace Learning With Conditional Random Field for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4203-4217. | 6.3 | 7 |
| 8 | Land-Use Mapping for High-Spatial Resolution Remote Sensing Image Via Deep Learning: A Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5372-5391. | 4.9 | 25 |
| 9 | Relationship between Air Pollutant Exposure and Gynecologic Cancer Risk. International Journal of Environmental Research and Public Health, 2021, 18, 5353. | 2.6 | 13 |
| 10 | Evaluation of county-level poverty alleviation progress by deep learning and satellite observations. Big Earth Data, 2021, 5, 576-592. | 4.4 | 5 |
| 11 | MLRSNet: A multi-label high spatial resolution remote sensing dataset for semantic scene understanding. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 337-350. | 11.1 | 60 |
| 12 | DML-GANR: Deep Metric Learning With Generative Adversarial Network Regularization for High Spatial Resolution Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8888-8904. | 6.3 | 24 |
| 13 | Latent Relationship Guided Stacked Sparse Autoencoder for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3711-3725. | 6.3 | 19 |
| 14 | Air pollution exposure associates with increased risk of neonatal jaundice. Nature Communications, 2019, 10, 3741. | 12.8 | 48 |
| 15 | Air pollution-induced missed abortion risk for pregnancies. Nature Sustainability, 2019, 2, 1011-1017. | 23.7 | 50 |
| 16 | A Flexible Architecture for Extracting Metro Tunnel Cross Sections from Terrestrial Laser Scanning Point Clouds. Remote Sensing, 2019, 11, 297. | 4.0 | 28 |
| 17 | PSASL: Pixel-Level and Superpixel-Level Aware Subspace Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4278-4293. | 6.3 | 22 |
| 18 | Self-Supervised Feature Learning With CRF Embedding for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2628-2642. | 6.3 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Joint Discriminative Dictionary and Classifier Learning for ALS Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 524-538. | 6.3 | 16 |
| 20 | Large-scale urban point cloud labeling and reconstruction. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 86-100. | 11.1 | 49 |
| 21 | A Deep Neural Network With Spatial Pooling (DNNSP) for 3-D Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4594-4604. | 6.3 | 42 |
| 22 | Projection learning with local and global consistency constraints for scene classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 202-216. | 11.1 | 9 |
| 23 | Self-Supervised Low-Rank Representation (SSLRR) for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-15. | 6.3 | 31 |
| 24 | Learning a Discriminative Distance Metric With Label Consistency for Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4427-4440. | 6.3 | 28 |
| 25 | A hierarchical methodology for urban facade parsing from TLS point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 123, 75-93. | 11.1 | 36 |
| 26 | Classification of Urban Point Clouds: A Robust Supervised Approach With Automatically Generating Training Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1207-1220. | 4.9 | 24 |
| 27 | A feature extraction and similarity metric-learning framework for urban model retrieval. International Journal of Geographical Information Science, 2017, 31, 1749-1769. | 4.8 | 1 |
| 28 | 3DCNN-DQN-RNN: A Deep Reinforcement Learning Framework for Semantic Parsing of Large-Scale 3D Point Clouds. , 2017, , . | | 49 |
| 29 | Discriminative-Dictionary-Learning-Based Multilevel Point-Cluster Features for ALS Point-Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7309-7322. | 6.3 | 34 |
| 30 | A Three-Step Approach for TLS Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5412-5424. | 6.3 | 44 |
| 31 | A Three-Layered Graph-Based Learning Approach for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6020-6034. | 6.3 | 72 |
| 32 | A Multilevel Point-Cluster-Based Discriminative Feature for ALS Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 3309-3321. | 6.3 | 81 |
| 33 | A Multiscale and Hierarchical Feature Extraction Method for Terrestrial Laser Scanning Point Cloud Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2409-2425. | 6.3 | 138 |
| 34 | A Gestalt rules and graph-cut-based simplification framework for urban building models. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 247-258. | 2.8 | 14 |
| 35 | Continuous Extraction of Subway Tunnel Cross Sections Based on Terrestrial Point Clouds. Remote Sensing, 2014, 6, 857-879. | 4.0 | 49 |
| 36 | A Methodology for Automated Segmentation and Reconstruction of Urban 3-D Buildings from ALS Point Clouds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4199-4217. | 4.9 | 106 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | An Optimized BaySAC Algorithm for Efficient Fitting of Primitives in Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1096-1100. | 3.1 | 14 |
| 38 | A mathematical morphology-based multi-level filter of LiDAR data for generating DTMs. Science China Information Sciences, 2013, 56, 1-14. | 4.3 | 17 |
| 39 | Perception-based shape retrieval for 3D building models. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 75, 76-91. | 11.1 | 18 |
| 40 | Variational retrieval of leaf area index from MODIS time series data: examples from the Heihe river basin, north-west China. International Journal of Remote Sensing, 2012, 33, 730-745. | 2.9 | 11 |
| 41 | Urban building roof segmentation from airborne lidar point clouds. International Journal of Remote Sensing, 2012, 33, 6497-6515. | 2.9 | 60 |
| 42 | Automatic simplification and visualization of 3D urban building models. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 222-231. | 2.8 | 26 |
| 43 | A geometry and texture coupled flexible generalization of urban building models. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 70, 1-14. | 11.1 | 13 |
| 44 | Transmission and visualization of large geographical maps. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 73-80. | 11.1 | 10 |
| 45 | Interactive visualization of multi-resolution urban building models considering spatial cognition. International Journal of Geographical Information Science, 2011, 25, 5-24. | 4.8 | 19 |
| 46 | An efficient rendering method for large vector data on large terrain models. Science China Information Sciences, 2010, 53, 1122-1129. | 4.3 | 15 |
| 47 | An improved line-of-sight method for visibility analysis in 3D complex landscapes. Science China Information Sciences, 2010, 53, 2185-2194. | 4.3 | 20 |
| 48 | Adaptive multi-resolution labeling in virtual landscapes. International Journal of Geographical Information Science, 2010, 24, 949-964. | 4.8 | 6 |
| 49 | Web-based terrain and vector maps visualization for Wenchuan earthquake. International Journal of Applied Earth Observation and Geoinformation, 2010, 12, 439-447. | 2.8 | 7 |
| 50 | Web-based visualization of spatial objects in 3D GIS. Science in China Series F: Information Sciences, 2009, 52, 1588-1597. | 1.1 | 6 |
| 51 | Visualization of large spatial data in networking environments. Computers and Geosciences, 2007, 33, 1130-1139. | 4.2 | 15 |
| 52 | Effective solutions to a global 3D visual system in networking environments. Science in China Series D: Earth Sciences, 2005, 48, 2032-2039. | 0.9 | 7 |
| 53 | A web-mapping system for real-time visualization of the global terrain. Computers and Geosciences, 2005, 31, 343-352. | 4.2 | 7 |