

Jihua Zhu

List of Publications by Year in descending order

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73
papers

995
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567281

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501196

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74
all docs

74
docs citations

74
times ranked

812
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Efficient Sampling-Based Motion Planning for On-Road Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1961-1976. | 8.0 | 139 |
| 2 | Probability iterative closest point algorithm for m-D point set registration with noise. Neurocomputing, 2015, 157, 187-198. | 5.9 | 82 |
| 3 | Feature concatenation multi-view subspace clustering. Neurocomputing, 2020, 379, 89-102. | 5.9 | 80 |
| 4 | Efficient registration of multi-view point sets by K-means clustering. Information Sciences, 2019, 488, 205-218. | 6.9 | 56 |
| 5 | Deep-Sea Organisms Tracking Using Dehazing and Deep Learning. Mobile Networks and Applications, 2020, 25, 1008-1015. | 3.3 | 33 |
| 6 | Building discriminative CNN image representations for object retrieval using the replicator equation. Pattern Recognition, 2018, 83, 150-160. | 8.1 | 29 |
| 7 | Robust registration of partially overlapping point sets via genetic algorithm with growth operator. IET Image Processing, 2014, 8, 582-590. | 2.5 | 27 |
| 8 | New iterative closest point algorithm for isotropic scaling registration of point sets with noise. Journal of Visual Communication and Image Representation, 2016, 38, 207-216. | 2.8 | 25 |
| 9 | Surface reconstruction via efficient and accurate registration of multiview range scans. Optical Engineering, 2014, 53, 102104. | 1.0 | 24 |
| 10 | A fast RRT algorithm for motion planning of autonomous road vehicles. , 2014, , . | | 24 |
| 11 | Multi-view subspace clustering networks with local and global graph information. Neurocomputing, 2021, 449, 15-23. | 5.9 | 23 |
| 12 | Constrained bilinear factorization multi-view subspace clustering. Knowledge-Based Systems, 2020, 194, 105514. | 7.1 | 21 |
| 13 | Frame-Wise Cross-Modal Matching for Video Moment Retrieval. IEEE Transactions on Multimedia, 2022, 24, 1338-1349. | 7.2 | 21 |
| 14 | An Improved Technique for Robot Global Localization in Indoor Environments. International Journal of Advanced Robotic Systems, 2011, 8, 7. | 2.1 | 17 |
| 15 | Automatic multi-view registration of unordered range scans without feature extraction. Neurocomputing, 2016, 171, 1444-1453. | 5.9 | 17 |
| 16 | Simultaneous Merging Multiple Grid Maps Using the Robust Motion Averaging. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 94, 655-668. | 3.4 | 16 |
| 17 | Label Enhancement with Sample Correlations via Low-Rank Representation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5932-5939. | 4.9 | 16 |
| 18 | Generalized Label Enhancement with Sample Correlations. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1. | 5.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Merging grid maps of different resolutions by scaling registration. <i>Robotica</i> , 2016, 34, 2516-2531. | 1.9 | 14 |
| 20 | Weakly supervised label distribution learning based on transductive matrix completion with sample correlations. <i>Pattern Recognition Letters</i> , 2019, 125, 453-462. | 4.2 | 14 |
| 21 | 3D mapping of outdoor environments by scan matching and motion averaging. <i>Neurocomputing</i> , 2020, 372, 17-32. | 5.9 | 14 |
| 22 | Local to global registration of multi-view range scans using spanning tree. <i>Computers and Electrical Engineering</i> , 2017, 58, 477-488. | 4.8 | 13 |
| 23 | Image denoising via structure-constrained low-rank approximation. <i>Neural Computing and Applications</i> , 2020, 32, 12575-12590. | 5.6 | 13 |
| 24 | Generating Images From Spoken Descriptions. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 850-865. | 5.8 | 13 |
| 25 | Weighted motion averaging for the registration of multi-view range scans. <i>Multimedia Tools and Applications</i> , 2018, 77, 10651-10668. | 3.9 | 12 |
| 26 | Multi-view spectral clustering via partial sum minimisation of singular values. <i>Electronics Letters</i> , 2019, 55, 314-316. | 1.0 | 12 |
| 27 | Skeleton Filter: A Self-Symmetric Filter for Skeletonization in Noisy Text Images. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 1815-1826. | 9.8 | 11 |
| 28 | Robust point cloud registration based on both hard and soft assignments. <i>Optics and Laser Technology</i> , 2019, 110, 202-208. | 4.6 | 10 |
| 29 | Simultaneously merging multi-robot grid maps at different resolutions. <i>Multimedia Tools and Applications</i> , 2020, 79, 14553-14572. | 3.9 | 10 |
| 30 | Registration of Multi-View Point Sets Under the Perspective of Expectation-Maximization. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 9176-9189. | 9.8 | 10 |
| 31 | Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 362-373. | 4.2 | 10 |
| 32 | Multitask TSK Fuzzy System Modeling by Jointly Reducing Rules and Consequent Parameters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4078-4090. | 9.3 | 10 |
| 33 | Collaborative Unsupervised Multi-View Representation Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 4202-4210. | 8.3 | 10 |
| 34 | Co-weighting semantic convolutional features for object retrieval. <i>Journal of Visual Communication and Image Representation</i> , 2019, 62, 368-380. | 2.8 | 9 |
| 35 | Self-Weighting and Hypergraph Regularization for Multi-view Spectral Clustering. <i>IEEE Signal Processing Letters</i> , 2020, 27, 1325-1329. | 3.6 | 9 |
| 36 | Unified framework for learning with label distribution. <i>Information Fusion</i> , 2021, 75, 116-130. | 19.1 | 9 |

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|----|--|-----|-----------|
| 37 | Bidirectional loss function for Label Enhancement and distribution learning. Knowledge-Based Systems, 2021, 213, 106690. | 7.1 | 8 |
| 38 | Personalized product search based on user transaction history and hypergraph learning. Multimedia Tools and Applications, 2020, 79, 22157-22175. | 3.9 | 8 |
| 39 | S2IGAN: Speech-to-Image Generation via Adversarial Learning. , 0, , . | | 8 |
| 40 | Effective scaling registration approach by imposing emphasis on scale factor. Electronics Letters, 2018, 54, 422-424. | 1.0 | 7 |
| 41 | Multi-view registration based on weighted LRS matrix decomposition of motions. IET Computer Vision, 2019, 13, 376-384. | 2.0 | 6 |
| 42 | Multi-Level Query Interaction for Temporal Language Grounding. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25479-25488. | 8.0 | 6 |
| 43 | A New Fast Minimum Spanning Tree-Based Clustering Technique. , 2014, , . | | 5 |
| 44 | Registration of Point Clouds Based on the Ratio of Bidirectional Distances. , 2016, , . | | 5 |
| 45 | Caption Generation From Road Images for Traffic Scene Modeling. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7805-7816. | 8.0 | 5 |
| 46 | Estimating Reference Bony Shape Model for Personalized Surgical Reconstruction of Posttraumatic Facial Defects. Lecture Notes in Computer Science, 2019, 11768, 327-335. | 1.3 | 5 |
| 47 | Efficient scaling registration algorithm for partially overlapping point sets. Electronics Letters, 2013, 49, 1267-1268. | 1.0 | 4 |
| 48 | Robust non-rigid point set registration via building tree dynamically. Multimedia Tools and Applications, 2017, 76, 12065-12081. | 3.9 | 4 |
| 49 | Multi-view registration of unordered range scans by fast correspondence propagation of multi-scale descriptors. PLoS ONE, 2018, 13, e0203139. | 2.5 | 4 |
| 50 | Robust Motion Averaging under Maximum Correntropy Criterion. , 2021, , . | | 4 |
| 51 | Unscented SLAM with conditional iterations. , 2009, , . | | 3 |
| 52 | Probability iterative closest point algorithm for position estimation. , 2014, , . | | 3 |
| 53 | Adaptive Co-Weighting Deep Convolutional Features for Object Retrieval. , 2018, , . | | 3 |
| 54 | Unifying Sum and Weighted Aggregations for Efficient Yet Effective Image Representation Computation. IEEE Transactions on Image Processing, 2019, 28, 841-852. | 9.8 | 3 |

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|----|---|-----|-----------|
| 55 | Blind Image Deblurring Based on Local Rank. <i>Mobile Networks and Applications</i> , 2020, 25, 1446-1456. | 3.3 | 3 |
| 56 | Adaptive weighted motion averaging with low-rank sparse for robust multi-view registration. <i>Neurocomputing</i> , 2020, 413, 230-239. | 5.9 | 3 |
| 57 | Learning Fine-Grained Semantics in Spoken Language Using Visual Grounding. , 2021, , . | | 3 |
| 58 | MERGING GRID MAPS VIA POINT SET REGISTRATION. <i>International Journal of Robotics and Automation</i> , 2013, 28, . | 0.1 | 3 |
| 59 | Joint Reason Generation and Rating Prediction for Explainable Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1. | 5.7 | 3 |
| 60 | What You Like, What I Am: Online Dating Recommendation via Matching Individual Preferences with Features. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1. | 5.7 | 3 |
| 61 | Effective multiview registration of point clouds based on Student's-t mixture model. <i>Information Sciences</i> , 2022, 608, 137-152. | 6.9 | 3 |
| 62 | A Novel Takagi-Sugeno Fuzzy System Modeling Method with Joint Feature Selection and Rule Reduction. , 2018, , . | | 2 |
| 63 | A Multi-model Ensemble Method Using CNN and Maximum Correntropy Criterion for Basal Cell Carcinoma and Seborrheic Keratoses Classification. , 2019, , . | | 2 |
| 64 | Show and Speak: Directly Synthesize Spoken Description of Images. , 2021, , . | | 2 |
| 65 | Merging Grid Maps in Diverse Resolutions by the Context-based Descriptor. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-21. | 4.4 | 2 |
| 66 | Listwise approach based on the cross-correntropy for learning to rank. <i>Electronics Letters</i> , 2018, 54, 878-880. | 1.0 | 2 |
| 67 | Synthesizing Spoken Descriptions of Images. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 3242-3254. | 5.8 | 2 |
| 68 | Road Scene Simulation Based on Vehicle Sensors: An Intelligent Framework Using Random Walk Detection and Scene Stage Reconstruction. <i>Sensors</i> , 2018, 18, 3782. | 3.8 | 1 |
| 69 | Scaled gated networks. <i>World Wide Web</i> , 2022, 25, 1583-1606. | 4.0 | 1 |
| 70 | TWO NEW LOWER BOUNDS FOR THE SPARK OF A MATRIX. <i>Bulletin of the Australian Mathematical Society</i> , 2017, 96, 353-360. | 0.5 | 0 |
| 71 | Unsupervised semantic-based convolutional features aggregation for image retrieval. <i>Multimedia Tools and Applications</i> , 2020, 79, 14465-14489. | 3.9 | 0 |
| 72 | Multi-view Subspace Clustering with View Correlations via low-rank tensor learning. <i>Computers and Electrical Engineering</i> , 2022, 100, 107939. | 4.8 | 0 |

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|----|---|-----|-----------|
| 73 | Point set registration via rigid transformation consensus. Computers and Electrical Engineering, 2022, 101, 108098. | 4.8 | 0 |