

Zhigang Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

472
citations

933264

10
h-index

1058333

14
g-index

36
all docs

36
docs citations

36
times ranked

263
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Video Mosaicing. , 2021, , 1323-1328. | | 0 |
| 2 | Video Mosaicing. , 2020, , 1-8. | | 0 |
| 3 | Video Mosaicing. , 2020, , 1-6. | | 0 |
| 4 | Persistent Aerial Video Registration and Fast Multi-View Mosaicing. IEEE Transactions on Image Processing, 2014, 23, 2184-2192. | 6.0 | 18 |
| 5 | Video Mosaicing. , 2014, , 842-847. | | 0 |
| 6 | A multimodal temporal panorama approach for moving vehicle detection, reconstruction and classification. Computer Vision and Image Understanding, 2013, 117, 1724-1735. | 3.0 | 11 |
| 7 | Multimodal and Multi-task Audio-Visual Vehicle Detection and Classification. , 2012, , . | | 10 |
| 8 | Multimodal Temporal Panorama for Moving Vehicle Detection and Reconstruction. , 2011, , . | | 4 |
| 9 | A Layered Approach for Fast Multi-view Stereo Panorama Generation. , 2011, , . | | 3 |
| 10 | Gamma/X-ray linear pushbroom stereo for 3D cargo inspection. Machine Vision and Applications, 2010, 21, 413-425. | 1.7 | 9 |
| 11 | Multimodal 3D panoramic imaging using a precise rotating platform. , 2010, , . | | 2 |
| 12 | Automatic Object Classification through Semantic Analysis. , 2008, , . | | 2 |
| 13 | Mobile Sensors for Security and Surveillance. Journal of Applied Security Research, 2008, 4, 79-100. | 0.8 | 1 |
| 14 | Stereo Matching and 3D Visualization for Gamma-Ray Cargo Inspection. , 2007, , . | | 3 |
| 15 | Mosaic-based 3D scene representation and rendering. Signal Processing: Image Communication, 2006, 21, 739-754. | 1.8 | 10 |
| 16 | Fast construction of dynamic and multi-resolution 360° panoramas from video sequences. Image and Vision Computing, 2006, 24, 13-26. | 2.7 | 24 |
| 17 | Dynamic 3D Urban Scene Modeling Using Multiple Pushbroom Mosaics. , 2006, , . | | 8 |
| 18 | An efficient method for geo-referenced video mosaicing for environmental monitoring. Machine Vision and Applications, 2005, 16, 203-216. | 1.7 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | LAMP: 3D layered, adaptive-resolution, and multi-perspective panorama—a new scene representation. <i>Computer Vision and Image Understanding</i> , 2004, 96, 294-326. | 3.0 | 18 |
| 20 | Generalized parallel-perspective stereo mosaics from airborne video. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004, 26, 226-237. | 9.7 | 82 |
| 21 | Generation and Error Characterization of Pararell-Perspective Stereo Mosaics from Real Video. <i>The Kluwer International Series in Video Computing</i> , 2003, , 72-105. | 0.7 | 6 |
| 22 | VISATRAM: a real-time vision system for automatic traffic monitoring. <i>Image and Vision Computing</i> , 2000, 18, 781-794. | 2.7 | 85 |
| 23 | A stable vision system for moving vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2000, 1, 32-39. | 4.7 | 62 |
| 24 | Range information propagation transform. <i>Journal of Computer Science and Technology</i> , 1998, 13, 438-447. | 0.9 | 0 |
| 25 | Fast road classification and orientation estimation using omni-view images and neural networks. <i>IEEE Transactions on Image Processing</i> , 1998, 7, 1182-1197. | 6.0 | 22 |
| 26 | Neural networks for omni-view road image understanding. <i>Journal of Computer Science and Technology</i> , 1996, 11, 570-580. | 0.9 | 2 |
| 27 | Better road following by integrating omni-view images and neural nets. , 0, , . | | 1 |
| 28 | Qualitative estimations of range and motion using spatio-temporal textural images. , 0, , . | | 2 |
| 29 | A real-time vision system for automatic traffic monitoring based on 2D spatio-temporal images. , 0, , . | | 13 |
| 30 | Combining rotation-invariance images and neural networks for road scene understanding. , 0, , . | | 5 |
| 31 | A stereo matching algorithm based on shape similarity for indoor environment model building. , 0, , . | | 0 |
| 32 | Constructing 3D natural scene from video sequences with vibrated motions. , 0, , . | | 6 |
| 33 | Fast generation of dynamic and multi-resolution 360° panorama from video sequences. , 0, , . | | 18 |
| 34 | Automating the construction of dynamic and multi-resolution 360° panorama for natural scenes with moving objects. , 0, , . | | 0 |
| 35 | 3D LAMP: a new layered panoramic representation. , 0, , . | | 2 |