

Heiko Hirschmüller

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

6,083
citations

1039406

9
h-index

1281420

11
g-index

22
all docs

22
docs citations

22
times ranked

4092
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereo Processing by Semiglobal Matching and Mutual Information. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 328-341.	9.7	3,035
2	Evaluation of Cost Functions for Stereo Matching. , 2007, , .		771
3	High-Resolution Stereo Datasets with Subpixel-Accurate Ground Truth. Lecture Notes in Computer Science, 2014, , 31-42.	1.0	661
4	Evaluation of Stereo Matching Costs on Images with Radiometric Differences. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1582-1599.	9.7	584
5	Real-Time Correlation-Based Stereo Vision with Reduced Border Errors. International Journal of Computer Vision, 2002, 47, 229-246.	10.9	359
6	Stereo vision based indoor/outdoor navigation for flying robots. , 2013, , .		105
7	Stereo-vision-based navigation of a six-legged walking robot in unknown rough terrain. International Journal of Robotics Research, 2012, 31, 381-402.	5.8	97
8	Autonomous Vision-based Micro Air Vehicle for Indoor and Outdoor Navigation. Journal of Field Robotics, 2014, 31, 537-570.	3.2	94
9	Mutual Information Based Semi-Global Stereo Matching on the GPU. Lecture Notes in Computer Science, 2008, , 228-239.	1.0	88
10	Stereo camera based navigation of mobile robots on rough terrain. , 2009, , .		78
11	View Planning for Multi-View Stereo 3D Reconstruction Using an Autonomous Multicopter. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 309-323.	2.0	50
12	Multisensor data fusion for robust pose estimation of a six-legged walking robot. , 2011, , .		42
13	Stereo vision and IMU based real-time ego-motion and depth image computation on a handheld device. , 2013, , .		40
14	Stereo-vision based obstacle mapping for indoor/outdoor SLAM. , 2014, , .		33
15	Stereo Vision Based Reconstruction of Huge Urban Areas from an Airborne Pushbroom Camera (HRSC). Lecture Notes in Computer Science, 2005, , 58-66.	1.0	21
16	The LRU Rover for Autonomous Planetary Exploration and Its Success in the SpaceBotCamp Challenge. , 2016, , .		13
17	Special issue on robot vision: what is robot vision?. Journal of Real-Time Image Processing, 2015, 10, 597-598.	2.2	8
18	Multi-scale 3D-Modeling. Lecture Notes in Computer Science, 2006, , 96-107.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Dichte Bildzuordnung. , 2015, , 1-32.		0
20	Dichte Bildzuordnung. , 2016, , 1-32.		0
21	Dichte Bildzuordnung. , 2017, , 229-260.		0
22	Multi-scale LPA* with low worst-case complexity guarantees. , 2011, , .		0