Avideh Zakhor

List of Publications by Year
in descending order

45 papers	1,386 citations	759233 12 h-index	1058476 14 g-index
46 all docs	46 docs citations	46 times ranked	1092 citing authors

#	Article	IF	Citations
1	Data Processing Algorithms for Generating Textured 3D Building Facade Meshes from Laser Scans and Camera Images. International Journal of Computer Vision, 2005, 61, 159-184.	15.6	173
2	An Automated Method for Large-Scale, Ground-Based City Model Acquisition. International Journal of Computer Vision, 2004, 60, 5-24.	15.6	160
3	Tree Detection in Urban Regions Using Aerial Lidar and Image Data. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 196-200.	3.1	130
4	Optical Proximity Correction With Linear Regression. IEEE Transactions on Semiconductor Manufacturing, 2008, 21, 263-271.	1.7	72
5	Multiple Tree Video Multicast Over Wireless Ad Hoc Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 2-15.	8.3	67
6	Sensor fusion for semantic segmentation of urban scenes. , 2015, , .		65
7	Planar 3D modeling of building interiors from point cloud data. , 2012, , .		64
8	Rate control for streaming video over wireless. IEEE Wireless Communications, 2005, 12, 32-41.	9.0	61
9	Fast, Automated, Scalable Generation of Textured 3D Models of Indoor Environments. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 409-421.	10.8	58
10	Consistent Stereo-Assisted Absolute Phase Unwrapping Methods for Structured Light Systems. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 411-424.	10.8	52
11	Interference Aware Multipath Selection for Video Streaming in Wireless Ad Hoc Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 165-178.	8.3	51
12	Classifying urban landscape in aerial LiDAR using 3D shape analysis. , 2009, , .		44
13	Indoor Localization Algorithms for an Ambulatory Human Operated 3D Mobile Mapping System. Remote Sensing, 2013, 5, 6611-6646.	4.0	38
14	Location-based image retrieval for urban environments. , 2011, , .		30
15	Automatic registration of aerial imagery with untextured 3D LiDAR models. , 2008, , .		28
16	Path Selection for Multi-Path Streaming in Wireless Ad Hoc Networks. , 2006, , .		26
17	3d Object Detection For Autonomous Driving Using Temporal Lidar Data. , 2020, , .		26
18	Simultaneous fingerprinting and mapping for multimodal image and WiFi indoor positioning. , 2014, , .		22

#	Article	IF	Citations
19	Watertight As-Built Architectural Floor Plans Generated from Laser Range Data. , 2012, , .		21
20	Adaptive Carrier-Sensing for Throughput Improvement in IEEE 802.11 Networks. , 2010, , .		20
21	Lossless compression of VLSI layout image data. IEEE Transactions on Image Processing, 2006, 15, 2522-2530.	9.8	16
22	<title>Lossless layout compression for maskless lithography systems</title>. , 2000, , .		16
23	Constructing a Multivalued Representation for View Synthesis. International Journal of Computer Vision, 2001, 45, 157-190.	15.6	14
24	Image augmented laser scan matching for indoor dead reckoning. , 2009, , .		14
25	Watertight Planar Surface Meshing of Indoor Point-Clouds with Voxel Carving. , 2013, , .		14
26	Lossless compression techniques for maskless lithography data. , 2002, 4688, 583.		10
27	Automatic loop closure detection using multiple cameras for 3D indoor localization. , 2012, , .		10
28	2D tree detection in large urban landscapes using aerial LiDAR data. , 2009, , .		9
29	Adaptive packetization for error-prone transmission over 802.11 WLANs with hidden terminals. , 2009, , .		8
30	AtomMap: A probabilistic amorphous 3D map representation for robotics and surface reconstruction. , 2017, , .		8
31	Advanced low-complexity compression for maskless lithography data. , 2004, 5374, 610.		7
32	Multiple Tree Video Multicast Over Wireless Ad Hoc Networks. , 2006, , .		5
33	Cooperative inchworm localization with a low cost team. , 2017, , .		5
34	Lossless Compression Algorithms for Hierarchical IC Layout. IEEE Transactions on Semiconductor Manufacturing, 2008, 21, 285-296.	1.7	4
35	A Method for Estimating Access Delay Distribution in IEEE 802.11 Networks. , 2011, , .		4
36	Fast approximation for geometric classification of LiDAR returns. , 2011, , .		3

#	Article	IF	Citations
37	Design and analysis of a flow control scheme over wirelessâ€‰networks. International Journal of Robust and Nonlinear Control, 2013, 23, 208-228.	3.7	3
38	Temporally-Consistent Phase Unwrapping for a Stereo-Assisted Structured Light System. , 2011, , .		2
39	Access Point Selection for Multi-Rate IEEE 802.11 Wireless LANs. , 2014, , .		2
40	Automatic Indoor 3D Surface Reconstruction with Segmented Building and Object Elements. , 2015, , .		2
41	Point Cloud Segmentation using RGB Drone Imagery. , 2020, , .		2
42	Projector domain phase unwrapping in a structured light system with stereo cameras. , 2011, , .		1
43	Sharp geometry reconstruction of building facades using range data. , 2012, , .		1
44	Access Point Selection for Multi-Rate IEEE 802.11 Wireless LANs. , 2015, , .		1
45	Lossless Compression Algorithms for Post-OPC IC Layout. , 2007, , .		0