Seth Teller

List of Publications by Year
in descending order

39 papers	2,971 citations	516710 16 h-index	794594 19 g-index
41 all docs	41 docs citations	41 times ranked	2699 citing authors

#	Article	IF	Citations
1	An Architecture for Online Affordance–based Perception and Whole–body Planning. Journal of Field Robotics, 2015, 32, 229-254.	6.0	101
2	A Situationally Aware Voice–commandable Robotic Forklift Working Alongside People in Unstructured Outdoor Environments. Journal of Field Robotics, 2015, 32, 590-628.	6.0	24
3	Drift-free humanoid state estimation fusing kinematic, inertial and LIDAR sensing. , 2014, , .		70
4	A framework for learning semantic maps from grounded natural language descriptions. International Journal of Robotics Research, 2014, 33, 1167-1190.	8.5	25
5	Learning spatial-semantic representations from natural language descriptions and scene classifications. , 2014, , .		28
6	Sensor fusion for flexible human-portable building-scale mapping. , 2012, , .		34
7	One-shot visual appearance learning for mobile manipulation. International Journal of Robotics Research, 2012, 31, 554-567.	8.5	6
8	Improving Safety and Operational Efficiency in Residential Care Settings With WiFi-Based Localization. Journal of the American Medical Directors Association, 2012, 13, 558-563.	2.5	10
9	Following and interpreting narrated guided tours. , 2011, , .		38
10	Asymptotically-optimal path planning for manipulation using incremental sampling-based algorithms. , 2011, , .		24
11	Anytime Motion Planning using the RRT*. , 2011, , .		529
12	Probabilistic lane estimation for autonomous driving using basis curves. Autonomous Robots, 2011, 31, 269-283.	4.8	11
13	Asymptotically-optimal path planning for manipulation using incremental sampling-based algorithms. , 2011, , .		37
14	Multimodal interaction with an autonomous forklift. , 2010, , .		8
15	A voice-commandable robotic forklift working alongside humans in minimally-prepared outdoor environments. , 2010, , .		43
16	Closed-loop pallet manipulation in unstructured environments. , 2010, , .		17
17	Multiple relative pose graphs for robust cooperative mapping. , 2010, , .		25
18	Growing an organic indoor location system. , 2010, , .		234

#	ARTICLE	IF	CITATIONS
19	Spoken command of large mobile robots in outdoor environments. , 2010, , .		8
20	Ground robot navigation using uncalibrated cameras. , 2010, , .		17
21	Appearance-based object reacquisition for mobile manipulation. , 2010, , .		3
22	Body-relative navigation guidance using uncalibrated cameras. , 2009, , .		7
23	Lane boundary and curb estimation with lateral uncertainties. , 2009, , .		14
24	Simultaneous local and global state estimation for robotic navigation. , 2009, , .		28
25	Finding multiple lanes in urban road networks with vision and lidar. Autonomous Robots, 2009, 26, 103-122.	4.8	105
26	Particle Video: Long-Range Motion Estimation Using Point Trajectories. International Journal of Computer Vision, 2008, 80, 72-91.	15.6	229
27	A perception€driven autonomous urban vehicle. Journal of Field Robotics, 2008, 25, 727-774.	6.0	364
28	Moving-Baseline Localization. , 2008, , .		19
29	Wide-Area Egomotion Estimation from Known 3D Structure. , 2007, , .		27
30	Topology of Urban Environments. , 2007, , 114-128.		17
31	Robust Range-Only Beacon Localization. IEEE Journal of Oceanic Engineering, 2006, 31, 949-958.	3.8	171
32	Video matching. ACM Transactions on Graphics, 2004, 23, 592-599.	7.2	103
33	Spectral Solution of Large-Scale Extrinsic Camera Calibration as a Graph Embedding Problem. Lecture Notes in Computer Science, 2004, , 262-273.	1.3	29
34	Calibrated, Registered Images of an Extended Urban Area. International Journal of Computer Vision, 2003, 53, 93-107.	15.6	51
35	Scalable Extrinsic Calibration of Omni-Directional Image Networks. International Journal of Computer Vision, 2002, 49, 143-174.	15.6	42
36	Spherical Mosaics with Quaternions and Dense Correlation. International Journal of Computer Vision, 2000, 37, 259-273.	15.6	54

#	Article	IF	Citations
37	Determining the Lines Through Four Lines. Journal of Graphics Tools, 1999, 4, 11-22.	0.5	35
38	The UC Berkeley System for Interactive Visualization of Large Architectural Models. Presence: Teleoperators and Virtual Environments, 1996, 5, 13-44.	0.6	44
39	Learning Semantic Maps from Natural Language Descriptions. , 0, , .		32