

Ashutosh Saxena

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

2,580

citations

18

h-index

29

g-index

29

ext. papers

3,172

ext. citations

4.6

avg, IF

5.44

L-index

#	Paper	IF	Citations
28	Deep learning for detecting robotic grasps. <i>International Journal of Robotics Research</i> , 2015 , 34, 705-724	5.7	648
27	Robotic Grasping of Novel Objects using Vision. <i>International Journal of Robotics Research</i> , 2008 , 27, 157-173	5.7	557
26	Learning human activities and object affordances from RGB-D videos. <i>International Journal of Robotics Research</i> , 2013 , 32, 951-970	5.7	375
25	Contextually guided semantic labeling and search for three-dimensional point clouds. <i>International Journal of Robotics Research</i> , 2013 , 32, 19-34	5.7	114
24	Efficient grasping from RGBD images: Learning using a new rectangle representation 2011 ,		112
23	Autonomous MAV flight in indoor environments using single image perspective cues 2011 ,		103
22	Hallucinated Humans as the Hidden Context for Labeling 3D Scenes 2013 ,		70
21	Unstructured human activity detection from RGBD images 2012 ,		69
20	Learning to place new objects in a scene. <i>International Journal of Robotics Research</i> , 2012 , 31, 1021-1043	5.7	68
19	Anticipating Human Activities using Object Affordances for Reactive Robotic Response		64
18	3D-Based Reasoning with Blocks, Support, and Stability 2013 ,		61
17	Tell me Dave: Context-sensitive grounding of natural language to manipulation instructions. <i>International Journal of Robotics Research</i> , 2016 , 35, 281-300	5.7	53
16	Deep Learning for Detecting Robotic Grasps		49
15	Learning haptic representation for manipulating deformable food objects 2014 ,		37
14	Hierarchical Semantic Labeling for Task-Relevant RGB-D Perception		33
13	Anticipating human activities for reactive robotic response 2013 ,		30
12	Learning preferences for manipulation tasks from online coactive feedback. <i>International Journal of Robotics Research</i> , 2015 , 34, 1296-1313	5.7	27

11	Tell Me Dave: Context-Sensitive Grounding of Natural Language to Manipulation Instructions	20
10	Autonomous indoor helicopter flight using a single onboard camera 2009 ,	17
9	Low-power parallel algorithms for single image based obstacle avoidance in aerial robots 2012 ,	14
8	Learning hardware agnostic grasps for a universal jamming gripper 2012 ,	12
7	Tangled: Learning to untangle ropes with RGB-D perception 2013 ,	10
6	Synthesizing manipulation sequences for under-specified tasks using unrolled Markov Random Fields 2014 ,	9
5	Deep multimodal embedding: Manipulating novel objects with point-clouds, language and trajectories 2017 ,	8
4	PlanIt: A crowdsourcing approach for learning to plan paths from large scale preference feedback 2015 ,	8
3	Robobarista: Object Part Based Transfer of Manipulation Trajectories from Crowd-Sourcing in 3D Pointclouds. <i>Springer Proceedings in Advanced Robotics</i> , 2018 , 701-720	0.6 5
2	Infinite Latent Conditional Random Fields 2013 ,	4
1	FeCCM for scene understanding: Helping the robot to learn multiple tasks 2011 ,	3