

Ashutosh Saxena

List of Publications by Year in Descending Order

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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	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
27	Deep multimodal embedding: Manipulating novel objects with point-clouds, language and trajectories 2017 ,		8
26	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
25	Learning preferences for manipulation tasks from online coactive feedback. <i>International Journal of Robotics Research</i> , 2015 , 34, 1296-1313	5.7	27
24	Deep learning for detecting robotic grasps. <i>International Journal of Robotics Research</i> , 2015 , 34, 705-724	5.7	648
23	PlanIt: A crowdsourcing approach for learning to plan paths from large scale preference feedback 2015 ,		8
22	Learning haptic representation for manipulating deformable food objects 2014 ,		37
21	Synthesizing manipulation sequences for under-specified tasks using unrolled Markov Random Fields 2014 ,		9
20	Infinite Latent Conditional Random Fields 2013 ,		4
19	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
18	3D-Based Reasoning with Blocks, Support, and Stability 2013 ,		61
17	Learning human activities and object affordances from RGB-D videos. <i>International Journal of Robotics Research</i> , 2013 , 32, 951-970	5.7	375
16	Anticipating human activities for reactive robotic response 2013 ,		30
15	Tangled: Learning to untangle ropes with RGB-D perception 2013 ,		10
14	Hallucinated Humans as the Hidden Context for Labeling 3D Scenes 2013 ,		70
13	Learning to place new objects in a scene. <i>International Journal of Robotics Research</i> , 2012 , 31, 1021-1043	5.7	68
12	Learning hardware agnostic grasps for a universal jamming gripper 2012 ,		12

11	Low-power parallel algorithms for single image based obstacle avoidance in aerial robots 2012,	14
10	Unstructured human activity detection from RGBD images 2012,	69
9	Autonomous MAV flight in indoor environments using single image perspective cues 2011,	103
8	Efficient grasping from RGBD images: Learning using a new rectangle representation 2011,	112
7	FeCCM for scene understanding: Helping the robot to learn multiple tasks 2011,	3
6	Autonomous indoor helicopter flight using a single onboard camera 2009,	17
5	Robotic Grasping of Novel Objects using Vision. <i>International Journal of Robotics Research</i> , 2008 , 27, 157-173	557
4	Anticipating Human Activities using Object Affordances for Reactive Robotic Response	64
3	Deep Learning for Detecting Robotic Grasps	49
2	Tell Me Dave: Context-Sensitive Grounding of Natural Language to Manipulation Instructions	20
1	Hierarchical Semantic Labeling for Task-Relevant RGB-D Perception	33