Ashutosh Saxena

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11024869/publications.pdf

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29	3,744	1307366	1588896
papers	citations	7 h-index	8 g-index

29	29	29	2894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep learning for detecting robotic grasps. International Journal of Robotics Research, 2015, 34, 705-724.	5.8	1,005
2	Robotic Grasping of Novel Objects using Vision. International Journal of Robotics Research, 2008, 27, 157-173.	5.8	702
3	Learning human activities and object affordances from RGB-D videos. International Journal of Robotics Research, 2013, 32, 951-970.	5.8	497
4	Efficient grasping from RGBD images: Learning using a new rectangle representation. , 2011, , .		239
5	Unstructured human activity detection from RGBD images. , 2012, , .		148
6	Contextually guided semantic labeling and search for three-dimensional point clouds. International Journal of Robotics Research, 2013, 32, 19-34.	5.8	137
7	Autonomous MAV flight in indoor environments using single image perspective cues. , 2011, , .		126
8	Tell me Dave: Context-sensitive grounding of natural language to manipulation instructions. International Journal of Robotics Research, 2016, 35, 281-300.	5.8	113
9	Learning to place new objects in a scene. International Journal of Robotics Research, 2012, 31, 1021-1043.	5.8	94
10	Hallucinated Humans as the Hidden Context for Labeling 3D Scenes. , 2013, , .		91
11	Anticipating Human Activities using Object Affordances for Reactive Robotic Response. , 0, , .		81
12	Deep Learning for Detecting Robotic Grasps. , 0, , .		75
13	3D-Based Reasoning with Blocks, Support, and Stability. , 2013, , .		70
14	Anticipating human activities for reactive robotic response. , 2013, , .		54
15	Learning haptic representation for manipulating deformable food objects. , 2014, , .		52
16	Learning preferences for manipulation tasks from online coactive feedback. International Journal of Robotics Research, 2015, 34, 1296-1313.	5.8	47
17	Hierarchical Semantic Labeling for Task-Relevant RGB-D Perception. , 0, , .		44
18	Tell Me Dave: Context-Sensitive Grounding of Natural Language to Manipulation Instructions. , 0, , .		28

#	Article	IF	Citations
19	Autonomous indoor helicopter flight using a single onboard camera. , 2009, , .		22
20	Learning hardware agnostic grasps for a universal jamming gripper. , 2012, , .		21
21	Tangled: Learning to untangle ropes with RGB-D perception. , 2013, , .		20
22	Low-power parallel algorithms for single image based obstacle avoidance in aerial robots. , 2012, , .		18
23	Deep multimodal embedding: Manipulating novel objects with point-clouds, language and trajectories. , 2017, , .		18
24	Synthesizing manipulation sequences for under-specified tasks using unrolled Markov Random Fields. , 2014, , .		12
25	PlanIt: A crowdsourcing approach for learning to plan paths from large scale preference feedback. , 2015, , .		12
26	Robobarista: Object Part Based Transfer of Manipulation Trajectories from Crowd-Sourcing in 3D Pointclouds. Springer Proceedings in Advanced Robotics, 2018, , 701-720.	0.9	9
27	FeCCM for scene understanding: Helping the robot to learn multiple tasks. , 2011, , .		5
28	Infinite Latent Conditional Random Fields. , 2013, , .		4
29	Learning to place objects: Organizing a room. , 2012, , .		0