Mårten Björkman

List of Publications by Year
in descending order

21 papers	476 citations	1478505 6 h-index	1588992 8 g-index
21 all docs	21 docs citations	21 times ranked	493 citing authors

#	Article	IF	Citations
1	Enhancing visual perception of shape through tactile glances. , 2013, , .		80
2	Vision for robotic object manipulation in domestic settings. Robotics and Autonomous Systems, 2005, 52, 85-100.	5.1	75
3	Deep predictive policy training using reinforcement learning. , 2017, , .		67
4	Human-Centered Collaborative Robots With Deep Reinforcement Learning. IEEE Robotics and Automation Letters, 2021, 6, 566-571.	5.1	41
5	Detecting, segmenting and tracking unknown objects using multi-label MRF inference. Computer Vision and Image Understanding, 2014, 118, 111-127.	4.7	38
6	A sensorimotor reinforcement learning framework for physical Human-Robot Interaction. , 2016, , .		34
7	Vision in the real world: Finding, attending and recognizing objects. International Journal of Imaging Systems and Technology, 2006, 16, 189-208.	4.1	19
8	Strategies for multi-modal scene exploration. , 2010, , .		15
9	Imitating by Generating: Deep Generative Models for Imitation of Interactive Tasks. Frontiers in Robotics and AI, 2020, 7, 47.	3.2	15
10	Bridging the gap between emotion and joint action. Neuroscience and Biobehavioral Reviews, 2021, 131, 806-833.	6.1	14
11	Active 3D Segmentation through Fixation of Previously Unseen Objects. , 2010, , .		12
12	Combining Planning and Learning of Behavior Trees for Robotic Assembly. , 2022, , .		12
13	Impact of Trajectory Generation Methods on Viewer Perception of Robot Approaching Group Behaviors. , 2020, , .		10
14	Interactive object classification using sensorimotor contingencies. , 2013, , .		9
15	Bayesian Meta-Learning for Few-Shot Policy Adaptation Across Robotic Platforms. , 2021, , .		9
16	Generating object hypotheses in natural scenes through human-robot interaction. , 2011, , .		8
17	Human Movement Datasets: An Interdisciplinary Scoping Review. ACM Computing Surveys, 2023, 55, 1-29.	23.0	7
18	Integrating 3D features and virtual visual servoing for hand-eye and humanoid robot pose estimation. , 2013, , .		4

#	Article	IF	Citations
19	Coordinating With a Robot Partner Affects Neural Processing Related to Action Monitoring. Frontiers in Neurorobotics, 2021, 15, 686010.	2.8	4
20	YES - YEt another object segmentation: Exploiting camera movement. , 2012, , .		3
21	Amortized Variational Inference for Road Friction Estimation. , 2020, , .		0