

Brijen Thananjeyan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

323
citations

1478505

6
h-index

1720034

7
g-index

12
all docs

12
docs citations

12
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Automating Surgical Peg Transfer: Calibration With Deep Learning Can Exceed Speed, Accuracy, and Consistency of Humans. IEEE Transactions on Automation Science and Engineering, 2023, 20, 909-922.	5.2	7
2	VisuoSpatial Foresight for physical sequential fabric manipulation. Autonomous Robots, 2022, 46, 175-199.	4.8	15
3	Learning to Localize, Grasp, and Hand Over Unmodified Surgical Needles. , 2022, , .		11
4	ABC-LMPC: Safe Sample-Based Learning MPC for Stochastic Nonlinear Dynamical Systems with Adjustable Boundary Conditions. Springer Proceedings in Advanced Robotics, 2021, , 1-17.	1.3	2
5	Recovery RL: Safe Reinforcement Learning With Learned Recovery Zones. IEEE Robotics and Automation Letters, 2021, 6, 4915-4922.	5.1	66
6	Intermittent Visual Servoing: Efficiently Learning Policies Robust to Instrument Changes for High-precision Surgical Manipulation. , 2021, , .		14
7	Learning Dense Visual Correspondences in Simulation to Smooth and Fold Real Fabrics. , 2021, , .		22
8	Efficiently Calibrating Cable-Driven Surgical Robots With RGBD Fiducial Sensing and Recurrent Neural Networks. IEEE Robotics and Automation Letters, 2020, 5, 5937-5944.	5.1	24
9	Safety Augmented Value Estimation From Demonstrations (SAVED): Safe Deep Model-Based RL for Sparse Cost Robotic Tasks. IEEE Robotics and Automation Letters, 2020, 5, 3612-3619.	5.1	33
10	SWIRL: A sequential windowed inverse reinforcement learning algorithm for robot tasks with delayed rewards. International Journal of Robotics Research, 2019, 38, 126-145.	8.5	35
11	Automated Extraction of Surgical Needles from Tissue Phantoms. , 2019, , .		13
12	Multilateral surgical pattern cutting in 2D orthotropic gauze with deep reinforcement learning policies for tensioning. , 2017, , .		81