Leslie Pack Kaelbling

List of Publications by Year
in descending order

29 papers	1,345 citations	933447 10 h-index	1372567 10 g-index
29 all docs	29 docs citations	29 times ranked	753 citing authors

#	Article	IF	Citations
1	Hierarchical task and motion planning in the now. , 2011, , .		271
2	Integrated task and motion planning in belief space. International Journal of Robotics Research, 2013, 32, 1194-1227.	8.5	200
3	Integrated Task and Motion Planning. Annual Review of Control, Robotics, and Autonomous Systems, 2021, 4, 265-293.	11.8	131
4	From Skills to Symbols: Learning Symbolic Representations for Abstract High-Level Planning. Journal of Artificial Intelligence Research, 0, 61, 215-289.	7.0	115
5	A constraint-based method for solving sequential manipulation planning problems. , 2014, , .		94
6	A Dynamical Model of Visually-Guided Steering, Obstacle Avoidance, and Route Selection. International Journal of Computer Vision, 2003, 54, 13-34.	15.6	80
7	FFRob: Leveraging symbolic planning for efficient task and motion planning. International Journal of Robotics Research, 2018, 37, 104-136.	8.5	77
8	Sampling-based methods for factored task and motion planning. International Journal of Robotics Research, 2018, 37, 1796-1825.	8.5	47
9	Online Replanning in Belief Space for Partially Observable Task and Motion Problems. , 2020, , .		38
10	Learning compositional models of robot skills for task and motion planning. International Journal of Robotics Research, 2021, 40, 866-894.	8.5	33
11	Backward-forward search for manipulation planning. , 2015, , .		31
12	Learning to guide task and motion planning using score-space representation. International Journal of Robotics Research, 2019, 38, 793-812.	8.5	31
13	Manipulation-based active search for occluded objects. , 2013, , .		29
14	Unifying perception, estimation and action for mobile manipulation via belief space planning. , 2012, , .		25
15	Learning composable models of parameterized skills. , 2017, , .		21
16	The foundation of efficient robot learning. Science, 2020, 369, 915-916.	12.6	20
17	Interactive Bayesian identification of kinematic mechanisms. , 2014, , .		19
18	Learning to guide task and motion planning using score-space representation. , 2017, , .		15

#	Article	IF	Citations
19	Foresight and reconsideration in hierarchical planning and execution. , 2013, , .		14
20	Adversarial Actor-Critic Method for Task and Motion Planning Problems Using Planning Experience. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8017-8024.	4.9	12
21	Representation, learning, and planning algorithms for geometric task and motion planning. International Journal of Robotics Research, 2022, 41, 210-231.	8.5	12
22	Implicit belief-space pre-images for hierarchical planning and execution. , 2016, , .		7
23	Collision-free state estimation. , 2012, , .		6
24	Hierarchical planning for multi-contact non-prehensile manipulation. , 2015, , .		6
25	Learning When to Quit: Meta-Reasoning for Motion Planning. , 2021, , .		6
26	Optimization in the now: Dynamic peephole optimization for hierarchical planning. , 2013, , .		3
27	Class-specific grasping of 3D objects from a single 2D image. , 2010, , .		1
28	Visual Prediction of Priors for Articulated Object Interaction. , 2020, , .		1
29	Fully Persistent Spatial Data Structures for Efficient Queries in Path-Dependent Motion Planning Applications. , 2022, , .		0