

Leslie Pack Kaelbling

List of Publications by Year in descending order

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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	Representation, learning, and planning algorithms for geometric task and motion planning. International Journal of Robotics Research, 2022, 41, 210-231.	8.5	12
2	Fully Persistent Spatial Data Structures for Efficient Queries in Path-Dependent Motion Planning Applications. , 2022, , .		0
3	Learning compositional models of robot skills for task and motion planning. International Journal of Robotics Research, 2021, 40, 866-894.	8.5	33
4	Integrated Task and Motion Planning. Annual Review of Control, Robotics, and Autonomous Systems, 2021, 4, 265-293.	11.8	131
5	Learning When to Quit: Meta-Reasoning for Motion Planning. , 2021, , .		6
6	Visual Prediction of Priors for Articulated Object Interaction. , 2020, , .		1
7	Online Replanning in Belief Space for Partially Observable Task and Motion Problems. , 2020, , .		38
8	The foundation of efficient robot learning. Science, 2020, 369, 915-916.	12.6	20
9	Learning to guide task and motion planning using score-space representation. International Journal of Robotics Research, 2019, 38, 793-812.	8.5	31
10	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
11	FFRob: Leveraging symbolic planning for efficient task and motion planning. International Journal of Robotics Research, 2018, 37, 104-136.	8.5	77
12	Sampling-based methods for factored task and motion planning. International Journal of Robotics Research, 2018, 37, 1796-1825.	8.5	47
13	Learning to guide task and motion planning using score-space representation. , 2017, , .		15
14	Learning composable models of parameterized skills. , 2017, , .		21
15	Implicit belief-space pre-images for hierarchical planning and execution. , 2016, , .		7
16	Backward-forward search for manipulation planning. , 2015, , .		31
17	Hierarchical planning for multi-contact non-prehensile manipulation. , 2015, , .		6
18	Interactive Bayesian identification of kinematic mechanisms. , 2014, , .		19

#	ARTICLE	IF	CITATIONS
19	A constraint-based method for solving sequential manipulation planning problems. , 2014, , .		94
20	Foresight and reconsideration in hierarchical planning and execution. , 2013, , .		14
21	Integrated task and motion planning in belief space. International Journal of Robotics Research, 2013, 32, 1194-1227.	8.5	200
22	Optimization in the now: Dynamic peephole optimization for hierarchical planning. , 2013, , .		3
23	Manipulation-based active search for occluded objects. , 2013, , .		29
24	Unifying perception, estimation and action for mobile manipulation via belief space planning. , 2012, , .		25
25	Collision-free state estimation. , 2012, , .		6
26	Hierarchical task and motion planning in the now. , 2011, , .		271
27	Class-specific grasping of 3D objects from a single 2D image. , 2010, , .		1
28	A Dynamical Model of Visually-Guided Steering, Obstacle Avoidance, and Route Selection. International Journal of Computer Vision, 2003, 54, 13-34.	15.6	80
29	From Skills to Symbols: Learning Symbolic Representations for Abstract High-Level Planning. Journal of Artificial Intelligence Research, 0, 61, 215-289.	7.0	115