Lantao Liu

List of Publications by Year
in descending order

16 papers	160 citations	5 h-index 1684188	7 g-index 1720034
16 all docs	16 docs citations	16 times ranked	133 citing authors

#	Article	IF	Citations
1	Dataâ€driven learning and planning for environmental sampling. Journal of Field Robotics, 2018, 35, 643-661.	6.0	50
2	A Solution to Time-Varying Markov Decision Processes. IEEE Robotics and Automation Letters, 2018, 3, 1631-1638.	5.1	26
3	An Artificial Neural Network-Based Model Predictive Control for Three-Phase Flying Capacitor Multilevel Inverter. IEEE Access, 2022, 10, 70305-70316.	4.2	20
4	Artificial Neural Network-Based Voltage Control of DC/DC Converter for DC Microgrid Applications. , 2021, , .		14
5	From <i>MPC</i>-Based to End-to-End <i>(E2E)</i> Learning-Based Control Policy for Grid-Tied <i>3L-NPC</i> Transformerless Inverter. IEEE Access, 2022, 10, 57309-57326.	4.2	10
6	Information-Driven Path Planning. Current Robotics Reports, 2021, 2, 177-188.	7.9	9
7	Reachable Space Characterization of Markov Decision Processes with Time Variability. , 0, , .		8
8	Navigable Space Construction from Sparse Noisy Point Clouds. IEEE Robotics and Automation Letters, 2021, 6, 4720-4727.	5.1	6
9	Multi-Objective and Model-Predictive Tree Search for Spatiotemporal Informative Planning. , 2019, , .		5
10	State-Continuity Approximation of Markov Decision Processes via Finite Element Methods for Autonomous System Planning. IEEE Robotics and Automation Letters, 2020, 5, 5589-5596.	5.1	4
11	Long-Term Autonomous Ocean Monitoring with Streaming Samples. , 2019, , .		3
12	Solving Markov Decision Processes with Reachability Characterization from Mean First Passage Times. , 2018, , .		2
13	Action Learning for Coral Detection and Species Classification. , 2019, , .		1
14	Learning Partially Structured Environmental Dynamics for Marine Robotic Navigation. , 2018, , .		1
15	Informative Planning in the Presence of Outliers. , 2022, , .		1
16	Online Planning in Uncertain and Dynamic Environment in the Presence of Multiple Mobile Vehicles. , 2020, , .		0