

Sean Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

335
citations

1307594

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1372567

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13
all docs

13
docs citations

13
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Robust Barrier Functions for Safe, Long-Term Operation. IEEE Transactions on Robotics, 2022, 38, 1671-1685.	10.3	7
2	The Robotarium: Automation of a Remotely Accessible, Multi-Robot Testbed. IEEE Robotics and Automation Letters, 2021, 6, 2922-2929.	5.1	8
3	Distributed Collision-Free Motion Coordination on a Sphere: A Conic Control Barrier Function Approach. , 2020, 4, 976-981.		10
4	Optimization-Based Distributed Flocking Control for Multiple Rigid Bodies. IEEE Robotics and Automation Letters, 2020, 5, 1891-1898.	5.1	36
5	The Robotarium: Globally Impactful Opportunities, Challenges, and Lessons Learned in Remote-Access, Distributed Control of Multirobot Systems. IEEE Control Systems, 2020, 40, 26-44.	0.8	101
6	Closed-loop task allocation in robot swarms using inter-robot encounters. Swarm Intelligence, 2019, 13, 115-143.	2.2	17
7	Multi-robot replication of ant collective towing behaviours. Royal Society Open Science, 2018, 5, 180409.	2.4	8
8	A Probabilistic Approach to Automated Construction of Topological Maps Using a Stochastic Robotic Swarm. IEEE Robotics and Automation Letters, 2017, 2, 616-623.	5.1	11
9	Confinement control of double integrators using partially periodic leader trajectories. , 2016, , .		2
10	Decentralized sliding mode control for autonomous collective transport by multi-robot systems. , 2016, , .		27
11	Pheeno, A Versatile Swarm Robotic Research and Education Platform. IEEE Robotics and Automation Letters, 2016, 1, 884-891.	5.1	54
12	Control of Stochastic Boundary Coverage by Multirobot Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	4
13	Design of ant-inspired stochastic control policies for collective transport by robotic swarms. Swarm Intelligence, 2014, 8, 303-327.	2.2	50