

# Sean Wilson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5402430/publications.pdf>

Version: 2024-02-01

13  
papers

335  
citations

1307594

7  
h-index

1372567

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

288  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Pheeno, A Versatile Swarm Robotic Research and Education Platform. IEEE Robotics and Automation Letters, 2016, 1, 884-891.	5.1	54
3	Design of ant-inspired stochastic control policies for collective transport by robotic swarms. Swarm Intelligence, 2014, 8, 303-327.	2.2	50
4	Optimization-Based Distributed Flocking Control for Multiple Rigid Bodies. IEEE Robotics and Automation Letters, 2020, 5, 1891-1898.	5.1	36
5	Decentralized sliding mode control for autonomous collective transport by multi-robot systems. , 2016, , .		27
6	Closed-loop task allocation in robot swarms using inter-robot encounters. Swarm Intelligence, 2019, 13, 115-143.	2.2	17
7	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
8	Distributed Collision-Free Motion Coordination on a Sphere: A Conic Control Barrier Function Approach. , 2020, 4, 976-981.		10
9	Multi-robot replication of ant collective towing behaviours. Royal Society Open Science, 2018, 5, 180409.	2.4	8
10	The Robotarium: Automation of a Remotely Accessible, Multi-Robot Testbed. IEEE Robotics and Automation Letters, 2021, 6, 2922-2929.	5.1	8
11	Data-Driven Robust Barrier Functions for Safe, Long-Term Operation. IEEE Transactions on Robotics, 2022, 38, 1671-1685.	10.3	7
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	Confinement control of double integrators using partially periodic leader trajectories. , 2016, , .		2