

Timothy H Chung

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

778
citations

1307594

7
h-index

1474206

9
g-index

20
all docs

20
docs citations

20
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	Live-fly, large-scale field experimentation for large numbers of fixed-wing UAVs. , 2016, , .		59
2	Distributed Online Patrolling with Multi-agent Teams of Sentinels and Searchers. Springer Tracts in Advanced Robotics, 2016, , 3-16.	0.4	6
3	Multi-UAV software systems and simulation architecture. , 2015, , .		31
4	Simulation analysis of UAV and ground teams for surveillance and interdiction. Journal of Defense Modeling and Simulation, 2014, 11, 125-135.	1.7	9
5	Modeling and analysis of exhaustive probabilistic search. Naval Research Logistics, 2014, 61, 164-178.	2.2	3
6	Optimized transit planning and landing of aerial robotic swarms. , 2013, , .		1
7	A Graph Patrol Problem with Random Attack Times. Operations Research, 2013, 61, 694-710.	1.9	25
8	Autonomous search and counter-targeting using Levy search models. , 2013, , .		5
9	Variable Resolution Search with Quadrotors: Theory and Practice. Journal of Field Robotics, 2013, 30, 685-701.	6.0	21
10	Search-theoretic and ocean models for localizing drifting objects. , 2012, , .		4
11	Analysis of Search Decision Making Using Probabilistic Search Strategies. IEEE Transactions on Robotics, 2012, 28, 132-144.	10.3	58
12	Search and pursuit-evasion in mobile robotics. Autonomous Robots, 2011, 31, 299-316.	4.8	434
13	Guest editorial: special issue on search and pursuit-evasion with mobile robots. Autonomous Robots, 2011, 31, 297-298.	4.8	0
14	Optimized graph topologies for probabilistic search. , 2011, , .		0
15	Multiscale search using probabilistic quadtrees. , 2011, , .		13
16	A probabilistic framework for object search with 6-DOF pose estimation. International Journal of Robotics Research, 2011, 30, 1209-1228.	8.5	23
17	Modeling and analysis of tactical installation protection missions. , 2010, , .		0
18	Probabilistic search optimization and mission assignment for heterogeneous autonomous agents. , 2009, , .		15

#	ARTICLE	IF	CITATIONS
19	Multi-agent probabilistic search in a sequential decision-theoretic framework. , 2008, , .		28
20	A Decision-Making Framework for Control Strategies in Probabilistic Search. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	43