

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	Search and pursuit-evasion in mobile robotics. <i>Autonomous Robots</i> , 2011, 31, 299-316.	4.8	434
2	Live-fly, large-scale field experimentation for large numbers of fixed-wing UAVs. , 2016, , .		59
3	Analysis of Search Decision Making Using Probabilistic Search Strategies. <i>IEEE Transactions on Robotics</i> , 2012, 28, 132-144.	10.3	58
4	A Decision-Making Framework for Control Strategies in Probabilistic Search. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	43
5	Multi-UAV software systems and simulation architecture. , 2015, , .		31
6	Multi-agent probabilistic search in a sequential decision-theoretic framework. , 2008, , .		28
7	A Graph Patrol Problem with Random Attack Times. <i>Operations Research</i> , 2013, 61, 694-710.	1.9	25
8	A probabilistic framework for object search with 6-DOF pose estimation. <i>International Journal of Robotics Research</i> , 2011, 30, 1209-1228.	8.5	23
9	Variable Resolution Search with Quadrotors: Theory and Practice. <i>Journal of Field Robotics</i> , 2013, 30, 685-701.	6.0	21
10	Probabilistic search optimization and mission assignment for heterogeneous autonomous agents. , 2009, , .		15
11	Multiscale search using probabilistic quadtrees. , 2011, , .		13
12	Simulation analysis of UAV and ground teams for surveillance and interdiction. <i>Journal of Defense Modeling and Simulation</i> , 2014, 11, 125-135.	1.7	9
13	Distributed Online Patrolling with Multi-agent Teams of Sentinels and Searchers. <i>Springer Tracts in Advanced Robotics</i> , 2016, , 3-16.	0.4	6
14	Autonomous search and counter-targeting using Levy search models. , 2013, , .		5
15	Search-theoretic and ocean models for localizing drifting objects. , 2012, , .		4
16	Modeling and analysis of exhaustive probabilistic search. <i>Naval Research Logistics</i> , 2014, 61, 164-178.	2.2	3
17	Optimized transit planning and landing of aerial robotic swarms. , 2013, , .		1
18	Modeling and analysis of tactical installation protection missions. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	Guest editorial: special issue on search and pursuit-evasion with mobile robots. <i>Autonomous Robots</i> , 2011, 31, 297-298.	4.8	0
20	Optimized graph topologies for probabilistic search. , 2011, , .		0