

# Michael Otte

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

339  
citations

1040056

9  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Communication-Aware Multi-Agent Metareasoning for Decentralized Task Allocation. IEEE Access, 2021, 9, 98712-98730.	4.2	15
2	Path-Based Sensors: Paths as Sensors, Bayesian Updates, and Shannon Information Gathering. IEEE Transactions on Automation Science and Engineering, 2021, 18, 946-967.	5.2	1
3	Multi-Agent Ergodic Coverage in Urban Environments. , 2021, , .		1
4	Guest editorial: Special issue on robot communication challenges: real-world problems, systems, and methods. Autonomous Robots, 2020, 44, 1-2.	4.8	5
5	Decentralized Task Allocation in Multi-Agent Systems Using a Decentralized Genetic Algorithm. , 2020, , .		24
6	Metareasoning Structures, Problems, and Modes for Multiagent Systems: A Survey. IEEE Access, 2020, 8, 183080-183089.	4.2	3
7	Experimental Comparison of Decentralized Task Allocation Algorithms Under Imperfect Communication. IEEE Robotics and Automation Letters, 2020, 5, 572-579.	5.1	25
8	Auctions for multi-robot task allocation in communication limited environments. Autonomous Robots, 2020, 44, 547-584.	4.8	82
9	LSwarm: Efficient Collision Avoidance for Large Swarms With Coverage Constraints in Complex Urban Scenes. IEEE Robotics and Automation Letters, 2019, 4, 3940-3947.	5.1	33
10	Dynamic teams of robots as ad hoc distributed computers: reducing the complexity of multi-robot motion planning via subspace selection. Autonomous Robots, 2018, 42, 1691-1713.	4.8	4
11	Competitive target search with multi-agent teams: symmetric and asymmetric communication constraints. Autonomous Robots, 2018, 42, 1207-1230.	4.8	10
12	An emergent group mind across a swarm of robots: Collective cognition and distributed sensing via a shared wireless neural network. International Journal of Robotics Research, 2018, 37, 1017-1061.	8.5	11
13	Multi-robot task allocation with auctions in harsh communication environments. , 2017, , .		18
14	Multipass Target Search in Natural Environments. Sensors, 2017, 17, 2514.	3.8	9
15	Collective Cognition and Sensing in Robotic Swarms via an Emergent Group-Mind. Springer Proceedings in Advanced Robotics, 2017, , 829-840.	1.3	2
16	Any-com collision checking: Sharing certificates in decentralized multi-robot teams. , 2014, , .		4
17	Any-Com Multi-robot Path-Planning with Dynamic Teams: Multi-robot Coordination under Communication Constraints. Springer Tracts in Advanced Robotics, 2014, , 743-757.	0.4	11
18	C-FOREST: Parallel Shortest Path Planning With Superlinear Speedup. IEEE Transactions on Robotics, 2013, 29, 798-806.	10.3	71