Michael A Goodrich

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77 papers	2,850 citations	23 h-index	52 g-index
93 ext. papers	3,369 ext. citations	3.7 avg, IF	5.25 L-index

#	Paper	IF	Citations
77	Human-Robot Interaction: A Survey. *Foundations and Trends in Human-Computer Interaction*, **2007**, 1, 203-275	2.8	826
76	Common metrics for human-robot interaction **2006**,		331
75	Supporting wilderness search and rescue using a camera-equipped mini UAV. *Journal of Field Robotics*, **2008**, 25, 89-110	6.7	219
74	Autonomous Vehicle Technologies for Small Fixed-Wing UAVs. *Journal of Aerospace Computing, Information, and Communication*, **2005**, 2, 92-108		205
73	Ecological Interfaces for Improving Mobile Robot Teleoperation **2007**, 23, 927-941		151
72	Cooperating with machines. *Nature Communications*, **2018**, 9, 233	17.4	70
71	Hierarchical heuristic search using a Gaussian mixture model for UAV coverage planning. *IEEE Transactions on Cybernetics*, **2014**, 44, 2532-44	10.2	63
70	Detailed requirements for robots in autism therapy **2010**,		57
69	Designing human-centered automation: trade-offs in collision avoidance system design. *IEEE Transactions on Intelligent Transportation Systems*, **2000**, 1, 40-54	6.1	57
68	Comparing the usefulness of video and map information in navigation tasks **2006**,		48
67	UAV intelligent path planning for Wilderness Search and Rescue **2009**,		45
66	A Bayesian approach to modeling lost person behaviors based on terrain features in Wilderness Search and Rescue. *Computational and Mathematical Organization Theory*, **2010**, 16, 300-323	2.1	40
65	Teleoperation and Beyond for Assistive Humanoid Robots. *Reviews of Human Factors and Ergonomics*, **2013**, 9, 175-226		39
64	Towards using Unmanned Aerial Vehicles (UAVs) in Wilderness Search and Rescue. *Interaction Studies*, **2009**, 10, 453-478	1.3	39
63	On using mixed-initiative control **2009**,		36
62	Towards combining UAV and sensor operator roles in UAV-enabled visual search **2008**,		36
61	Cognitive Task Analysis for Developing Unmanned Aerial Vehicle Wilderness Search Support. *Journal of Cognitive Engineering and Decision Making*, **2009**, 3, 1-26	2.5	34

60	Incorporating a robot into an autism therapy team. *IEEE Intelligent Systems*, **2012**, 27, 52-59	4.2	33
59	Satisficing Equilibria: A Non-Classical Theory of Games and Decisions. *Autonomous Agents and Multi-Agent Systems*, **2002**, 5, 305-328	2	32
58	Toward human interaction with bio-inspired robot teams **2011**,		29
57	Managing autonomy in robot teams **2007**,		28
56	Using a Mini-UAV to Support Wilderness Search and Rescue: Practices for Human-Robot Teaming **2007**,		27
55	Satisficing Revisited. *Minds and Machines*, **2000**, 10, 79-109	4.9	27
54	Task Switching and Multi-Robot Teams **2005**, 185-195		21
53	Learning to compete, coordinate, and cooperate in repeated games using reinforcement learning. *Machine Learning*, **2011**, 82, 281-314	4	20
52	Human-swarm interactions based on managing attractors **2014**,		18
51	Transparency: Transitioning From Human–Machine Systems to Human-Swarm Systems. *Journal of Cognitive Engineering and Decision Making*, **2019**, 13, 171-195	2.5	17
50	UAV video coverage quality maps and prioritized indexing for wilderness search and rescue **2010**,		16
49	Learning Real-Time A* Path Planner for Unmanned Air Vehicle Target Sensing. *Journal of Aerospace Computing, Information, and Communication*, **2006**, 3, 108-122		16
48	Scalable Human Interaction with Robotic Swarms **2013**,		15
47	Learning Real-Time A* Path Planner for Sensing Closely-Spaced Targets from an Aircraft **2003**,		14
46	Satisficing games. *Information Sciences*, **1999**, 114, 255-280	7.7	14
45	A case for low-dose robotics in autism therapy **2011**,		12
44	Learning to compete, compromise, and cooperate in repeated general-sum games **2005**,		12
43	UAV video coverage quality maps and prioritized indexing for wilderness search and rescue **2010**,		12

42	Supporting human interaction with robust robot swarms **2012**,		11
41	Probabilistic Searching Using a Small Unmanned Aerial Vehicle **2007**,		11
40	Model predictive satisficing fuzzy logic control. *IEEE Transactions on Fuzzy Systems*, **1999**, 7, 319-332	8.3	11
39	Using camera-equipped mini-UAVS to support collaborative wilderness search and rescue teams **2012**,		9
38	Toward Task-Based Mental Models of Human-Robot Teaming: A Bayesian Approach. *Lecture Notes in Computer Science*, **2013**, 267-276	0.9	9
37	Shaping Couzin-Like Torus Swarms through Coordinated Mediation **2013**,		9
36	Human-Robot Teams Collaborating Socially, Organizationally, and Culturally. *Proceedings of the Human Factors and Ergonomics Society*, **2011**, 55, 465-469	0.4	8
35	Beyond robot fan-out: Towards multi-operator supervisory control **2010**,		8
34	DEMONSTRATION-BASED BEHAVIOR PROGRAMMING FOR EMBODIED VIRTUAL AGENTS. *Computational Intelligence*, **2008**, 24, 235-256	2.5	8
33	Application and evaluation of spatiotemporal enhancement of live aerial video using temporally local mosaics **2008**,		8
32	What Types of Interactions do Bio-Inspired Robot Swarms and Flocks Afford a Human?		8
31	Towards Real-World Searching with Fixed-Wing Mini-UAVs **2005**,		8
30	Color anomaly detection and suggestion for wilderness search and rescue **2012**,		7
29	Multi-robot perimeter-shaping through mediator-based swarm control **2013**,		6
28	Toward Human-Robot Interface Standards II: An Examination of Common Elements in Human-Robot Interactions Across the Space Enterprise **2006**,		6
27	Balancing human and inter-agent influences for shared control of bio-inspired collectives **2014**,		5
26	Perception by proxy **2011**,		5
25	Fused visible and infrared video for use in Wilderness Search and Rescue **2009**,		5

24	How to trust robots further than we can throw them **2004**,		5
23	Informative path planning with a human path constraint **2014**,		4
22	Toward Human-Robot Interface Standards: Use of Standardization and Intelligent Subsystems for Advancing Human-Robotic Competency in Space Exploration **2006**,		4
21	Design and Evaluation of Adverb Palette **2017**,		3
20	A hierarchical flight planner for sensor-driven UAV missions **2013**,		3
19	Moderating Operator Influence in Human-Swarm Systems **2019**,		3
18	Haptic Shape-Based Management of Robot Teams in Cordon and Patrol **2017**,		2
17	Supporting task-oriented collaboration in human-robot teams using semantic-based path planning **2014**,		2
16	Multitasking and Multi-Robot Management **2013**,		2
15	Visual robot choreography for clinicians **2011**,		2
14	Human Factors issues for Interaction with Bio-Inspired Swarms. *Proceedings of the Human Factors and Ergonomics Society*, **2012**, 56, 61-64	0.4	2
13	Image Resolution-Based Path Planning and Metrics for Exhaustive Area Search from Small UAVs **2009**,		2
12	Testing the Usefulness of a Pan-Tilt-Zoom (PTZ) Camera in Human-Robot Interactions. *Proceedings of the Human Factors and Ergonomics Society*, **2006**, 50, 757-761	0.4	2
11	Multi-human Management of Robotic Swarms. *Lecture Notes in Computer Science*, **2020**, 603-619	0.9	2
10	Expressing homotopic requirements for mobile robot navigation through natural language instructions **2016**,		2
9	Toward haptic-based management of small swarms in cordon and patrol **2015**,		1
8	Enabling clinicians to rapidly animate robots **2013**,		1
7	Specialization, fan-out, and multi-human/multi-robot supervisory control **2010**,		1

6	**2012**,	1
5	Integrating critical interface elements for intuitive single-display aviation control of UAVs **2006**, 6226, 100	1
4	Abstraction and Persistence: Macro-Level Guarantees of Collective Bio-Inspired Teams under Human Supervision **2012**,	1
3	Understanding Particle Swarm Optimization: A Component-Decomposition Perspective **2018**,	1
2	Satisficing Equilibria. *Multiagent Systems, Artificial Societies, and Simulated Organizations*, **2002**, 235-265	1
1	Processes for a Colony Solving the Best-of-N Problem Using a Bipartite Graph Representation. *Springer Proceedings in Advanced Robotics*, **2022**, 376-388	0.6