Sujit Pb

List of Publications by Year
in descending order

46 papers	1,072 citations	623734 14 h-index	677142 22 g-index
46 all docs	46 docs citations	46 times ranked	1070 citing authors

#	Article	IF	Citations
1	Multiple UAV Coalitions for a Search and Prosecute Mission. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 62, 125-158.	3.4	118
2	Optimization of Wireless Sensor Network and UAV Data Acquisition. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 159-179.	3.4	110
3	Optimizing Communication and Computation for Multi-UAV Information Gathering Applications. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 601-615.	4.7	69
4	Optimal Rendezvous Trajectory for Unmanned Aerial-Ground Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 834-847.	4.7	58
5	Multiple UAV area decomposition and coverage. , 2013, , .		57
6	On cooperation between a fuel constrained UAV and a refueling UGV for large scale mapping applications. , 2015, , .		56
7	Multiple UAV path planning using anytime algorithms. , 2009, , .		51
8	Cooperative Aerial–Ground Vehicle Route Planning With Fuel Constraints for Coverage Applications. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3016-3028.	4.7	49
9	Multiple UAV task allocation using negotiation. , 2006, , .		41
10	Path planning for a UAV with kinematic constraints in the presence of polygonal obstacles. , 2016, , .		39
11	Toward human interaction with bio-inspired robot teams. , 2011, , .		35
12	DroneSURF: Benchmark Dataset for Drone-based Face Recognition. , 2019, , .		30
13	Bridging Cooperative Sensing and Route Planning of Autonomous Vehicles. IEEE Journal on Selected Areas in Communications, 2012, 30, 912-922.	14.0	26
14	Performance evaluation of cooperative relay and Particle Swarm Optimization path planning for UAV and wireless sensor network. , 2013, , .		25
15	Prediction, Planning, and Coordination of Thousand-Warehousing-Robot Networks With Motion and Communication Uncertainties. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1705-1717.	5.2	23
16	Self Assessment-Based Decision Making for Multiagent Cooperative Search. IEEE Transactions on Automation Science and Engineering, 2011, 8, 705-719.	5.2	22
17	Cluster-based communication topology selection and UAV path planning in wireless sensor networks. , 2013, , .		22
18	Integrated Monitoring of Mola mola Behaviour in Space and Time. PLoS ONE, 2016, 11, e0160404.	2.5	22

#	Article	IF	Citations
19	Persistent Monitoring with Refueling on a Terrain Using a Team of Aerial and Ground Robots. , 2018, , .		20
20	Joint route planning for UAV and sensor network for data retrieval. , 2013, , .		18
21	Team, Game, and Negotiation based Intelligent Autonomous UAV Task Allocation for Wide Area Applications. Studies in Computational Intelligence, 2007, , 39-75.	0.9	17
22	Negotiation schemes for multi-agent cooperative search. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2009, 223, 791-813.	1.3	15
23	Route Planning for Angle Constrained Terrain Mapping Using an Unmanned Aerial Vehicle. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 273-283.	3.4	15
24	Two-agent cooperative search using game models with endurance-time constraints. Engineering Optimization, 2010, 42, 617-639.	2.6	14
25	An Empirical Evaluation of Co-ordination Strategies for an AUV and UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 373-384.	3.4	14
26	Autonomous Quadcopter Landing on a Moving Target. Sensors, 2022, 22, 1116.	3.8	14
27	Multi-UAV task allocation with communication faults. , 2012, , .		11
28	Multiple UAV exploration of an unknown region. Annals of Mathematics and Artificial Intelligence, 2008, 52, 335-366.	1.3	9
29	Obstacle avoidance using echo sounder sonar. , 2011, , .		9
30	Coalition formation with communication ranges and moving targets. , 2010, , .		7
31	Log Polynomial Velocity Profile for Vertical Landing. Journal of Guidance, Control, and Dynamics, 2018, 41, 1617-1623.	2.8	7
32	Visibility-Based Persistent Monitoring of Piecewise Linear Features on a Terrain Using Multiple Aerial and Ground Robots. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1692-1704.	5.2	7
33	Barrier Lyapunov Function based Trajectory Tracking Controller for Autonomous Vehicles with Guaranteed Safety Bounds. , 2020, , .		7
34	Sliding Mode-Based Guidance for UAV Landing on a Stationary or Moving Ground Vehicle. IFAC-PapersOnLine, 2020, 53, 453-458.	0.9	7
35	Visibility-Aware Navigation With Batch Projection Augmented Cross-Entropy Method Over a Learned Occlusion Cost. IEEE Robotics and Automation Letters, 2022, 7, 9366-9373.	5.1	7
36	Decentralized Multi-UAV Coalition Formation with Limited Communication Ranges. , 2015, , 2021-2048.		5

#	Article	IF	Citations
37	A Reinforcement Learning Approach to Jointly Adapt Vehicular Communications and Planning for Optimized Driving. , 2018, , .		5
38	3D trajectory tracking for a quadcopter using MPC on a 3D terrain. , 2015, , .		3
39	A Low-Cost Monocular Vision-Based Obstacle Avoidance Using SVM and Optical Flow. Unmanned Systems, 2018, 06, 267-275.	3.6	3
40	Minimizing Age in Gateway Based Update Systems. , 2019, , .		2
41	Visual Monitoring of Points of Interest on a 2.5D Terrain Using a UAV With Limited Field-of-View Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3661-3672.	4.7	2
42	Distributed Fault Tolerant and Balanced Multi-Robot Area Partitioning for Coverage Applications. , 2018, , .		1
43	A distributed closed-loop probabilistic robust prioritized motion planning algorithm. , 2013, , .		0
44	A multi-robot foraging model on deciding predation risk vs. food quality trade-offs. , 2014, , .		0
45	Distributed task servicing using multiple robots with human-in-the-loop under limited communication range. , 2015, , .		0
46	Curvature constrained trajectory planning for a UAV through a sequence of points: A perturbation approach. , 2017, , .		0