Hamid Mahboubi

List of Publications by Year
in descending order

		932766	1199166
37 papers	440 citations	10 h-index	12 g-index
37 all docs	37 docs citations	37 times ranked	305 citing authors

#	Article	IF	Citations
1	Distributed Deployment Strategies for Improved Coverage in a Network of Mobile Sensors With Prioritized Sensing Field. IEEE Transactions on Industrial Informatics, 2013, 9, 451-461.	7.2	56
2	A Distributed Deployment Strategy for a Network of Cooperative Autonomous Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 737-745.	3.2	43
3	Distributed Deployment Algorithms for Efficient Coverage in a Network of Mobile Sensors With Nonidentical Sensing Capabilities. IEEE Transactions on Vehicular Technology, 2014, 63, 3998-4016.	3.9	40
4	Self-Deployment Algorithms for Coverage Problem in a Network of Mobile Sensors with Unidentical Sensing Ranges. , 2010, , .		36
5	Distributed Coverage Control of Mobile Sensor Networks Subject to Measurement Error. IEEE Transactions on Automatic Control, 2016, 61, 3330-3343.	3.6	36
6	An Efficient Target Monitoring Scheme With Controlled Node Mobility for Sensor Networks. IEEE Transactions on Control Systems Technology, 2012, 20, 1522-1532.	3.2	34
7	A Gradient-Based Coverage Optimization Strategy for Mobile Sensor Networks. IEEE Transactions on Control of Network Systems, 2017, 4, 477-488.	2.4	29
8	Distributed coordination of multi-agent systems for coverage problem in presence of obstacles. , 2012, , .		22
9	Maximum Lifetime Strategy for Target Monitoring With Controlled Node Mobility in Sensor Networks With Obstacles. IEEE Transactions on Automatic Control, 2016, 61, 3493-3508.	3.6	18
10	Distributed Sensor Coordination Algorithms for Efficient Coverage in a Network of Heterogeneous Mobile Sensors. IEEE Transactions on Automatic Control, 2017, 62, 5954-5961.	3.6	17
11	Toward Autonomous Mobile Sensor Networks Technology. IEEE Transactions on Industrial Informatics, 2016, 12, 576-586.	7.2	13
12	Optimal target tracking strategy with controlled node mobility in mobile sensor networks. , 2010, , .		10
13	Connectivity Assessment of Random Directed Graphs with Application to Underwater Sensor Networks. IEEE Transactions on Control Systems Technology, 2017, 25, 1457-1464.	3.2	10
14	Cost-efficient routing with controlled node mobility in sensor networks. , 2011, , .		9
15	Self-deployment algorithms for field coverage in a network of nonidentical mobile sensors: Vertex-based approach. , 2011, , .		9
16	Mobile Sensors Deployment Subject to Measurement Error. , 2014, , .		9
17	Distributed deployment algorithms for improved coverage in mobile sensor networks. , 2011, , .		8
18	Connectivity measures for random directed graphs with applications to underwater sensor networks. , 2015, , .		6

#	Article	IF	Citations
19	Distributed Control of Multi-Agent Systems With Limited Communication Range in the Fixed Obstacle Environments. IEEE Access, 2019, 7, 118259-118268.	2.6	6
20	Self-deployment algorithms for coverage improvement in a network of nonidentical mobile sensors with limited communication ranges. , 2013, , .		5
21	An Energy-Efficient Strategy to Improve Coverage in a Network of Wireless Mobile Sensors with Nonidentical Sensing Ranges. , 2013, , .		3
22	Distributed coordination of a network of nonidentical agents with limited communication capabilities in the presence of fixed obstacles. , 2013, , .		3
23	Cooperative Self-Deployment Strategies in a Mobile Sensor Network with Non-Uniform Coverage Priority. , 2011, , .		2
24	Distributed coverage optimization in a network of mobile agents subject to measurement error. , 2012, , .		2
25	Maximum lifetime strategy for target monitoring in a mobile sensor network with obstacles. , 2012, , .		2
26	Maximum life span strategy for target tracking in mobile sensor networks. , 2012, , .		2
27	Distributed deployment algorithms in a network of nonidentical mobile sensors subject to location estimation error. , 2014, , .		2
28	A Computationally Efficient Connectivity Measure for Random Graphs. , 2015, , .		2
29	Estimation of the Connectivity of Random Graphs Through Q-Learning Techniques. IEEE Journal of Radio Frequency Identification, 2022, 6, 318-331.	1.5	2
30	Coverage control in multi-agent systems subject to communication delays. , 2012, , .		1
31	Distributed deployment strategies to increase coverage in a network of wireless mobile sensors. , 2013, , .		1
32	Distributed coverage optimization in a network of static and mobile sensors. , 2013, , .		1
33	A Computationally Efficient Connectivity Measure for Random Graphs. , 2014, , .		1
34	Decentralized pole-placement using generalized sampled-data hold functions. , 2012, , .		0
35	Analysis of Semidefinite Programming Relaxation of Optimal Power Flow for Cyclic Networks. , 2018, , .		0
36	Maximum Lifetime Strategy for Target Monitoring with Controlled Node Mobility in Sensor Networks with Obstacles. IEEE Transactions on Automatic Control, 2016, 61, .	3.6	0

#	Article	IF	Citations
37	A Computationally Efficient Connectivity Index for Weighted Directed Graphs With Application to Underwater Sensor Networks. IEEE Access, 2022, 10, 54822-54832.	2.6	0