

Wencen Wu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

340
citations

1163117

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1281871

11
g-index

29
all docs

29
docs citations

29
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative exploration of level surfaces of three dimensional scalar fields. Automatica, 2011, 47, 2044-2051.	5.0	62
2	Robust Cooperative Exploration With a Switching Strategy. IEEE Transactions on Robotics, 2012, 28, 828-839.	10.3	61
3	Motion tomography: Mapping flow fields using autonomous underwater vehicles. International Journal of Robotics Research, 2017, 36, 320-336.	8.5	32
4	A Speeding-Up and Slowing-Down Strategy for Distributed Source Seeking With Robustness Analysis. IEEE Transactions on Control of Network Systems, 2016, 3, 231-240.	3.7	27
5	A Gradient-Free Three-Dimensional Source Seeking Strategy With Robustness Analysis. IEEE Transactions on Automatic Control, 2019, 64, 3439-3446.	5.7	25
6	Real-time Modelling of Tidal Current for Navigating Underwater Glider Sensing Networks. Procedia Computer Science, 2012, 10, 1121-1126.	2.0	16
7	Online Passive Identifier for Spatially Distributed Systems Using Mobile Sensor Networks. IEEE Transactions on Control Systems Technology, 2017, 25, 2151-2159.	5.2	15
8	Intracranial Hemorrhage Detection in CT Scans using Deep Learning. , 2020, , .		14
9	An Adaptive Luenberger Observer for Speed-Sensorless Estimation of Induction Machines. , 2018, , .		12
10	A Switching strategy for robust cooperative exploration. , 2010, , .		7
11	Parameter Identification of Spatially-Temporal Varying Processes by a Multi-Robot System in Realistic Diffusion Fields. Robotica, 2021, 39, 842-861.	1.9	7
12	A bio-inspired plume tracking algorithm for mobile sensing swarms in turbulent flow. , 2013, , .		6
13	Simulation-based Blockchain Design to Secure Biopharmaceutical Supply Chain. , 2019, , .		6
14	Experimental validation of source seeking with a switching strategy. , 2011, , .		5
15	A bio-inspired robust 3D plume tracking strategy using mobile sensor networks. , 2013, , .		5
16	Reinforcement Learning for Multi-robot Field Coverage Based on Local Observation. , 2020, , .		4
17	Cooperative identification of advection-diffusion processes with spatially varying coefficients based on a multi-model structure. Cyber-Physical Systems, 2017, 3, 103-120.	2.0	3
18	Cooperative Filtering and Parameter Identification for Advection-Diffusion Processes Using a Mobile Sensor Network. IEEE Transactions on Control Systems Technology, 2023, 31, 527-542.	5.2	3

#	ARTICLE	IF	CITATIONS
19	Curvature based cooperative exploration of three dimensional scalar fields. , 2010, , .		2
20	Explorability of noisy scalar fields. , 2011, , .		2
21	Sensing-motion co-planning for reconstructing a spatially distributed field using a mobile sensor network. , 2017, , .		2
22	ZenDen - A Personalized House Searching Application. , 2020, , .		2
23	Level Curve Tracking without Localization Enabled by Recurrent Neural Networks. , 2020, , .		2
24	Coherent steps of mobile sensing agents in Gaussian scalar fields. , 2012, , .		1
25	Experimental validation of diffusion coefficient identification using a multi-robot system. , 2016, , .		1
26	Geometric Reinforcement Learning Based Path Planning for Mobile Sensor Networks in Advection-Diffusion Field Reconstruction. , 2018, , .		1
27	Energy-information tradeoffs in motion and sensing for target localization. , 2013, , .		1
28	Cooperative Level Curve Tracking in Advection-Diffusion Fields. , 2020, , .		1