Ladislau BÃ¶lÃ¶ni

List of Publications by Year
in descending order

61 papers	1,001 citations	687363 13 h-index	552781 26 g-index
61 all docs	61 docs citations	61 times ranked	1000 citing authors

#	Article	IF	Citations
1	Modeling an intelligent controller for predictive caching in AR/VR-enabled home scenarios. Pervasive and Mobile Computing, 2021, 71, 101334.	3.3	1
2	A Smart Walker for People with Both Visual and Mobility Impairment. Sensors, 2021, 21, 3488.	3.8	14
3	Privacy-Preserving Learning of Human Activity Predictors in Smart Environments. , 2021, , .		4
4	Exploring the Predictability of Temperatures in a Scaled Model of a Smarthome. Sensors, 2021, 21, 6052.	3.8	1
5	A taxi dispatch system based on prediction of demand and destination. Journal of Parallel and Distributed Computing, 2021, 157, 269-279.	4.1	5
6	Multi-robot Information Sampling Using Deep Mean Field Reinforcement Learning. , 2021, , .		5
7	IoT Augmented Physical Scale Model of a Suburban Home. , 2020, , .		0
8	Multi-Agent Reinforcement Learning for Problems with Combined Individual and Team Reward. , 2020, , .		13
9	Predictive Caching for AR/VR Experiences in a Household Scenario. , 2020, , .		3
10	Detecting Unsafe Use of a Four-Legged Walker using IoT and Deep Learning. , 2019, , .		2
11	Learning Distributed Cooperative Policies for Security Games via Deep Reinforcement Learning. , 2019, , .		2
12	Path Finding for Maximum Value of Information in Multi-Modal Underwater Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 404-418.	5.8	103
13	Real-Time Prediction of Taxi Demand Using Recurrent Neural Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2572-2581.	8.0	207
14	Taxi Dispatch Planning via Demand and Destination Modeling. , 2018, , .		10
15	Providing Distribution Estimation for Animal Tracking with Unmanned Aerial Vehicles. , 2018, , .		5
16	Value of Information Based Data Retrieval in UWSNs. Sensors, 2018, 18, 3414.	3.8	3
17	Towards a computational model of social norms. PLoS ONE, 2018, 13, e0195331.	2.5	6
18	Value of information based scheduling of cloud computing resources. Future Generation Computer Systems, 2017, 71, 212-220.	7.5	29

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19	A Sequence Learning Model with Recurrent Neural Networks for Taxi Demand Prediction. , 2017, , .		16
20	Reducing Side-Sweep Accidents with Vehicle-to-Vehicle Communication. Journal of Sensor and Actuator Networks, 2016, 5, 19.	3.9	7
21	Optimizing Resurfacing Schedules to Maximize Value of Information in UWSNs. , 2016, , .		8
22	Circular Update Directional Virtual Coordinate Routing Protocol in Sensor Networks. , 2015, , .		2
23	Scheduling multiple mobile sinks in Underwater Sensor Networks. , 2015, , .		14
24	Animal monitoring with unmanned aerial vehicle-aided wireless sensor networks. , 2015, , .		41
25	Modeling the Strategic Behavior of Drivers for Multi-Lane Highway Driving. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2015, 19, 45-62.	4.2	18
26	Bridge protection algorithms â€“ A technique for fault-tolerance in sensor networks. Ad Hoc Networks, 2015, 24, 186-199.	5.5	15
27	Greedy path planning for maximizing value of information in underwater sensor networks. , 2014, , .		14
28	Integrating perception, narrative, premonition and confabulatory continuation. Biologically Inspired Cognitive Architectures, 2014, 8, 120-131.	0.9	3
29	Maximizing the value of sensed information in underwater wireless sensor networks via an autonomous underwater vehicle. , 2014, , .		70
30	Routing towards a mobile sink using virtual coordinates in a wireless sensor network. , 2014, , .		14
31	Circular Update Directional Virtual Coordinate Routing Protocol in Sensor Networks. , 2014, , .		0
32	Scheduling data transmissions of underwater sensor nodes for maximizing value of information. , 2013, , .		24
33	IVE: Improving the value of information in energy-constrained intruder tracking sensor networks. , 2013, , .		26
34	Distributed decision making in cognitive radio networks through argumentation. , 2013, , .		0
35	Comparative Analysis of System Identification Techniques for Nonlinear Modeling of the Neuronâ€“Microelectrode Junction. Journal of Computational and Theoretical Nanoscience, 2013, 10, 573-580.	0.4	2
36	Modeling the Propagation of Public Perception across Repeated Social Interactions. Lecture Notes in Computer Science, 2013, , 13-26.	1.3	2

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37	Argumentation based negotiation in cognitive radio networks. , 2012, , .		1
38	A pragmatic value-of-information approach for intruder tracking sensor networks. , 2012, , .		13
39	Optimizing coalition formation for tasks with dynamically evolving rewards and nondeterministic action effects. Autonomous Agents and Multi-Agent Systems, 2011, 22, 415-438.	2.1	12
40	Heuristic Approaches for Transmission Scheduling in Sensor Networks with Multiple Mobile Sinks. Computer Journal, 2011, 54, 332-344.	2.4	22
41	Protecting bridges: Reorganizing sensor networks after catastrophic events. , 2011, , .		7
42	Active time scheduling for rechargeable sensor networks. Computer Networks, 2010, 54, 631-640.	5.1	24
43	Analyzing and exploiting the competitiveness of scenarios for negotiating convoy formation under time constraints. Multiagent and Grid Systems, 2010, 6, 415-435.	0.9	0
44	Social network-based virtual organizations for biomedical research. , 2010, , .		0
45	Time-parallel simulation of wireless ad hoc networks with compressed history. Journal of Parallel and Distributed Computing, 2009, 69, 168-179.	4.1	2
46	Efficient allocation and composition of distributed storage. Journal of Supercomputing, 2009, 47, 286-310.	3.6	4
47	Time-parallel simulation of wireless adÂhoc networks. Wireless Networks, 2009, 15, 463-480.	3.0	3
48	A MAC layer protocol for wireless networks with asymmetric links. Ad Hoc Networks, 2008, 6, 424-440.	5.5	21
49	A comparison study of 12 paradigms for developing embodied agents. Software - Practice and Experience, 2008, 38, 259-305.	3.6	0
50	Should I send now or send later? A decision-theoretic approach to transmission scheduling in sensor networks with mobile sinks. Wireless Communications and Mobile Computing, 2008, 8, 385-403.	1.2	25
51	A macroeconomic model for resource allocation in large-scale distributed systems. Journal of Parallel and Distributed Computing, 2008, 68, 182-199.	4.1	26
52	Improving routing performance through -limited forwarding in power-constrained wireless ad hoc networks. Journal of Parallel and Distributed Computing, 2008, 68, 501-514.	4.1	16
53	Time-Parallel Simulation with Compressed History. , 2007, , .		0
54	Teamwork recognition of embodied agents with hidden Markov models. , 2007, , .		1

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55	Task distribution with a random overlay network. Future Generation Computer Systems, 2006, 22, 676-687.	7.5	7
56	Speedup-Precision Tradeoffs in Time-Parallel Simulation of Wireless Ad hoc Networks. , 2006, , .		8
57	ARE UTILITY, PRICE, AND SATISFACTION BASED RESOURCE ALLOCATION MODELS SUITABLE FOR LARGE-SCALE DISTRIBUTED SYSTEMS?. , 2006, , .		7
58	Characterizing Resource Allocation Heuristics for Heterogeneous Computing Systems. Advances in Computers, 2005, 63, 91-128.	1.6	35
59	Robust scheduling of metaprograms. Journal of Scheduling, 2002, 5, 395-412.	1.9	63
60	Biological metaphors in the design of complex software systems. Future Generation Computer Systems, 2001, 17, 345-360.	7.5	2
61	A component-based architecture for problem solving environments. Mathematics and Computers in Simulation, 2000, 54, 279-293.	4.4	13