

# Ladislau BĂŢĂŢI

## List of Publications by Year in descending order

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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	Real-Time Prediction of Taxi Demand Using Recurrent Neural Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2572-2581.	8.0	207
2	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
3	Maximizing the value of sensed information in underwater wireless sensor networks via an autonomous underwater vehicle. , 2014, , .		70
4	Robust scheduling of metaprograms. Journal of Scheduling, 2002, 5, 395-412.	1.9	63
5	Animal monitoring with unmanned aerial vehicle-aided wireless sensor networks. , 2015, , .		41
6	Characterizing Resource Allocation Heuristics for Heterogeneous Computing Systems. Advances in Computers, 2005, 63, 91-128.	1.6	35
7	Value of information based scheduling of cloud computing resources. Future Generation Computer Systems, 2017, 71, 212-220.	7.5	29
8	A macroeconomic model for resource allocation in large-scale distributed systems. Journal of Parallel and Distributed Computing, 2008, 68, 182-199.	4.1	26
9	IVE: Improving the value of information in energy-constrained intruder tracking sensor networks. , 2013, , .		26
10	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
11	Active time scheduling for rechargeable sensor networks. Computer Networks, 2010, 54, 631-640.	5.1	24
12	Scheduling data transmissions of underwater sensor nodes for maximizing value of information. , 2013, , .		24
13	Heuristic Approaches for Transmission Scheduling in Sensor Networks with Multiple Mobile Sinks. Computer Journal, 2011, 54, 332-344.	2.4	22
14	A MAC layer protocol for wireless networks with asymmetric links. Ad Hoc Networks, 2008, 6, 424-440.	5.5	21
15	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
16	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
17	A Sequence Learning Model with Recurrent Neural Networks for Taxi Demand Prediction. , 2017, , .		16
18	Bridge protection algorithms â€“ A technique for fault-tolerance in sensor networks. Ad Hoc Networks, 2015, 24, 186-199.	5.5	15

#	ARTICLE	IF	CITATIONS
19	Greedy path planning for maximizing value of information in underwater sensor networks. , 2014, , .		14
20	Routing towards a mobile sink using virtual coordinates in a wireless sensor network. , 2014, , .		14
21	Scheduling multiple mobile sinks in Underwater Sensor Networks. , 2015, , .		14
22	A Smart Walker for People with Both Visual and Mobility Impairment. Sensors, 2021, 21, 3488.	3.8	14
23	A component-based architecture for problem solving environments. Mathematics and Computers in Simulation, 2000, 54, 279-293.	4.4	13
24	A pragmatic value-of-information approach for intruder tracking sensor networks. , 2012, , .		13
25	Multi-Agent Reinforcement Learning for Problems with Combined Individual and Team Reward. , 2020, , .		13
26	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
27	Taxi Dispatch Planning via Demand and Destination Modeling. , 2018, , .		10
28	Speedup-Precision Tradeoffs in Time-Parallel Simulation of Wireless Ad hoc Networks. , 2006, , .		8
29	Optimizing Resurfacing Schedules to Maximize Value of Information in UWSNs. , 2016, , .		8
30	Task distribution with a random overlay network. Future Generation Computer Systems, 2006, 22, 676-687.	7.5	7
31	Protecting bridges: Reorganizing sensor networks after catastrophic events. , 2011, , .		7
32	Reducing Side-Sweep Accidents with Vehicle-to-Vehicle Communication. Journal of Sensor and Actuator Networks, 2016, 5, 19.	3.9	7
33	ARE UTILITY, PRICE, AND SATISFACTION BASED RESOURCE ALLOCATION MODELS SUITABLE FOR LARGE-SCALE DISTRIBUTED SYSTEMS?. , 2006, , .		7
34	Towards a computational model of social norms. PLoS ONE, 2018, 13, e0195331.	2.5	6
35	Providing Distribution Estimation for Animal Tracking with Unmanned Aerial Vehicles. , 2018, , .		5
36	A taxi dispatch system based on prediction of demand and destination. Journal of Parallel and Distributed Computing, 2021, 157, 269-279.	4.1	5

#	ARTICLE	IF	CITATIONS
37	Multi-robot Information Sampling Using Deep Mean Field Reinforcement Learning. , 2021, , .		5
38	Efficient allocation and composition of distributed storage. Journal of Supercomputing, 2009, 47, 286-310.	3.6	4
39	Privacy-Preserving Learning of Human Activity Predictors in Smart Environments. , 2021, , .		4
40	Time-parallel simulation of wireless ad-hoc networks. Wireless Networks, 2009, 15, 463-480.	3.0	3
41	Integrating perception, narrative, premonition and confabulatory continuation. Biologically Inspired Cognitive Architectures, 2014, 8, 120-131.	0.9	3
42	Value of Information Based Data Retrieval in UWSNs. Sensors, 2018, 18, 3414.	3.8	3
43	Predictive Caching for AR/VR Experiences in a Household Scenario. , 2020, , .		3
44	Biological metaphors in the design of complex software systems. Future Generation Computer Systems, 2001, 17, 345-360.	7.5	2
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	Comparative Analysis of System Identification Techniques for Nonlinear Modeling of the Neuron-Microelectrode Junction. Journal of Computational and Theoretical Nanoscience, 2013, 10, 573-580.	0.4	2
47	Circular Update Directional Virtual Coordinate Routing Protocol in Sensor Networks. , 2015, , .		2
48	Detecting Unsafe Use of a Four-Legged Walker using IoT and Deep Learning. , 2019, , .		2
49	Learning Distributed Cooperative Policies for Security Games via Deep Reinforcement Learning. , 2019, , .		2
50	Modeling the Propagation of Public Perception across Repeated Social Interactions. Lecture Notes in Computer Science, 2013, , 13-26.	1.3	2
51	Teamwork recognition of embodied agents with hidden Markov models. , 2007, , .		1
52	Argumentation based negotiation in cognitive radio networks. , 2012, , .		1
53	Modeling an intelligent controller for predictive caching in AR/VR-enabled home scenarios. Pervasive and Mobile Computing, 2021, 71, 101334.	3.3	1
54	Exploring the Predictability of Temperatures in a Scaled Model of a Smarthome. Sensors, 2021, 21, 6052.	3.8	1

#	ARTICLE	IF	CITATIONS
55	Time-Parallel Simulation with Compressed History. , 2007, , .		0
56	A comparison study of 12 paradigms for developing embodied agents. Software - Practice and Experience, 2008, 38, 259-305.	3.6	0
57	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
58	Social network-based virtual organizations for biomedical research. , 2010, , .		0
59	Distributed decision making in cognitive radio networks through argumentation. , 2013, , .		0
60	Circular Update Directional Virtual Coordinate Routing Protocol in Sensor Networks. , 2014, , .		0
61	IoT Augmented Physical Scale Model of a Suburban Home. , 2020, , .		0