Anna FÃ¶rster

List of Publications by Year
in descending order

66	1,635	840776 11	377865 34
papers	citations	h-index	g-index

73	73	73	1513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Survey on Mobile Road Side Units in VANETs. Vehicles, 2022, 4, 482-500.	3.1	16
2	A new fuzzy logic approach for reliable communications in wireless underground sensor networks. Wireless Networks, 2022, 28, 3275-3292.	3.0	8
3	A Multi-objective Approach for Wireless Heterogeneous Router Placement in Rural Wireless Mesh Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 43-55.	0.3	1
4	A Data Descriptor for Black Tea Fermentation Dataset. Data, 2021, 6, 34.	2.3	2
5	Benchmarking data dissemination protocols for opportunistic networks. , 2021, , .		2
6	Secure and privacy-preserving structure in opportunistic networks. Computers and Security, 2021, 104, 102208.	6.0	13
7	Improving Farmersâ€™ Revenue in Crop Rotation Systems with Plot Adjacency Constraints in Organic Farms with Nutrient Amendments. Applied Sciences (Switzerland), 2021, 11, 6775.	2.5	3
8	A Blended Learning Approach for an Introductory Computer Science Course. Education Sciences, 2021, 11, 372.	2.6	1
9	An internet of things (IoT)-based optimum tea fermentation detection model using convolutional neural networks (CNNs) and majority voting techniques. Journal of Sensors and Sensor Systems, 2021, 10, 153-162.	0.9	9
10	Disseminating Data using LoRa and Epidemic Forwarding in Disaster Rescue Operations. , 2021, , .		2
11	Offloading an Energy-Efficient IoT Solution to the Edge: A Practical Solution for Developing Countries. , 2021, , .		4
12	H2O Sense: a WSN-based monitoring system for fish tanks. SN Applied Sciences, 2020, 2, 1.	2.9	2
13	Cost-Minimizing System Design for Surveillance of Large, Inaccessible Agricultural Areas Using Drones of Limited Range. Sustainability, 2020, 12, 8878.	3.2	3
14	Cost-Effective Placement of Recharging Stations in Drone Path Planning for Surveillance Missions on Large Farms. Symmetry, 2020, 12, 1661.	2.2	9
15	An Optimum Tea Fermentation Detection Model Based on Deep Convolutional Neural Networks. Data, 2020, 5, 44.	2.3	14
16	Wireless Underground Sensor Networks Path Loss Model for Precision Agriculture (WUSN-PLM). IEEE Sensors Journal, 2020, 20, 5298-5313.	4.7	53
17	Challenges and Opportunities in Communications for Autonomous Underwater Vehicles. Intelligent Systems, Control and Automation: Science and Engineering, 2020, , 83-93.	0.5	3
18	A Reinforcement Learning Based Intercell Interference Coordination in LTE Networks. Future Internet, 2019, 11, 19.	3.8	3

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19	Optimized Clustering Algorithms for Large Wireless Sensor Networks: A Review. Sensors, 2019, 19, 322.	3.8	104
20	Evaluating Forwarding Protocols in Opportunistic Networks: Trends, Advances, Challenges and Best Practices. Future Internet, 2019, 11, 113.	3.8	22
21	Simulating Opportunistic Networks with OMNeT++. EAI/Springer Innovations in Communication and Computing, 2019, , 425-449.	1.1	6
22	Power Consumption Modeling of Discontinuous Reception for Cellular Machine Type Communications. Sensors, 2019, 19, 617.	3.8	7
23	My Smartphone tattles: Considering Popularity of Messages in Opportunistic Data Dissemination. Future Internet, 2019, 11, 29.	3.8	10
24	A Mathematical Model for Efficient and Fair Resource Assignment in Multipath Transport. Future Internet, 2019, 11, 39.	3.8	1
25	A New Approach for Path Loss Prediction in Wireless Underground Sensor Networks. , 2019, , .		12
26	Simulating Opportunistic Networks: Survey and Future Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1547-1573.	39.4	76
27	Finding Trapped Miners with Wireless Sensor Networks. , 2018, , .		5
28	Artificial Neural Network based Soil VWC and Field Capacity Estimation Using Low Cost Sensors. , 2018, , .		2
29	TRAILS - A Trace-Based Probabilistic Mobility Model. , 2018, , .		14
30	IoTBench: Towards a Benchmark for Low-Power Wireless Networking. , 2018, , .		26
31	Modeling of Data Dissemination in OppNets. , 2018, , .		4
32	TEACHING THE INTERNET OF THINGS. GetMobile (New York, N Y), 2017, 20, 24-28.	1.0	12
33	Comparative Analysis of Opportunistic Communication Technologies. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 3-10.	0.3	4
34	Validating Contact Times Extracted from Mobility Traces. Lecture Notes in Computer Science, 2017, , 239-252.	1.3	7
35	Mobility as the Main Enabler of Opportunistic Data Dissemination in Urban Scenarios. Lecture Notes in Computer Science, 2017, , 107-120.	1.3	7
36	Demo: Design and Evaluation of MoleNet for Wireless Underground Sensor Networks. , 2016, , .		14

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37	M2M Potentials in logistics and transportation industry. Logistics Research, 2016, 9, 1.	1.6	8
38	A Novel Data Dissemination Model for Organic Data Flows. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 239-252.	0.3	9
39	Proxy-Care: A novel patient care tracking system with wireless sensor networks. , 2014, , .		1
40	Interconnecting zigbee and bluetooth networks with BLupZi. , 2014, , .		0
41	A study to understand the impact of node density on data dissemination time in opportunistic networks. , 2013, , .		12
42	Using Smartphones to Profile Mobility Patterns in a Living Lab for the Transition to E-mobility. IFIP Advances in Information and Communication Technology, 2013, , 154-163.	0.7	5
43	DICE: A Novel Platform to Support Massively Distributed Clouds. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 273-286.	0.3	1
44	On context awareness and social distance in human mobility traces. , 2012, , .		23
45	LCN 2012 organizing and program committee. , 2012, , .		0
46	FLEXOR: User friendly wireless sensor network development and deployment. , 2012, , .		11
47	Towards Realistic and Credible Wireless Sensor Network Evaluation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 49-64.	0.3	8
48	Sensor node lifetime: An experimental study. , 2011, , .		27
49	Computational Intelligence in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2011, 13, 68-96.	39.4	559
50	Machine Learning across the WSN Layers. , 2011, , .		11
51	Froms: A failure tolerant and mobility enabled multicast routing paradigm with reinforcement learning for WSNs. Ad Hoc Networks, 2011, 9, 940-965.	5.5	35
52	A TinyOS based tool for gathering real-world wireless traces. , 2011, , .		2
53	Towards realistic WSN evaluation. , 2011, , .		0
54	Radio-based trail usage monitoring with low-end motes. , 2011, , .		6

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55	Hands-on approach to teaching wireless sensor networks at the undergraduate level. , 2010, , .		10
56	Optimal Cluster Sizes for Wireless Sensor Networks: An Experimental Analysis. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 49-63.	0.3	25
57	CLIQUE: Role-Free Clustering with Q-Learning for Wireless Sensor Networks. , 2009, , .		43
58	Teaching wireless sensor networks through testbed development. , 2009, , .		0
59	An Efficient Implementation of Reinforcement Learning Based Routing on Real WSN Hardware. , 2008, , .		13
60	Exploring Non Uniform Quality of Service for Extending WSN Lifetime. , 2007, , .		10
61	Exploiting Reinforcement Learning for Multiple Sink Routing in WSNs. , 2007, , .		5
62	FROMS: Feedback Routing for Optimizing Multiple Sinks in WSN with Reinforcement Learning. , 2007, , .		52
63	Machine Learning Techniques Applied to Wireless Ad-Hoc Networks: Guide and Survey. , 2007, , .		92
64	Latency insertion method (LIM) for the fast transient simulation of large networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 81-89.	0.1	154
65	ResourSim â€“ Evaluating the end-user Device usage. , 0, , .		0
66	Community-based Mobility Model and Probabilistic ORBIT Mobility Model Implementations in OMNeT++. , 0, , .		0