Theofanis P Raptis

List of Publications by Year
in descending order

67	1,031	566801 15	610482 24
papers	citations	h-index	g-index

69	69	69	848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Data Management in Industry 4.0: State of the Art and Open Challenges. IEEE Access, 2019, 7, 97052-97093.	2.6	99
2	Distributed wireless power transfer in sensor networks with multiple Mobile Chargers. Computer Networks, 2015, 80, 89-108.	3.2	95
3	Europe and the Future for WPT : European Contributions to Wireless Power Transfer Technology. IEEE Microwave Magazine, 2017, 18, 56-87.	0.7	59
4	Wireless energy transfer in sensor networks with adaptive, limited knowledge protocols. Computer Networks, 2014, 70, 113-141.	3.2	57
5	Hierarchical, collaborative wireless energy transfer in sensor networks with multiple Mobile Chargers. Computer Networks, 2016, 97, 98-112.	3.2	57
6	Keeping data at the edge of smart irrigation networks: A case study in strawberry greenhouses. Computer Networks, 2020, 167, 107039.	3.2	39
7	Low Radiation Efficient Wireless Energy Transfer in Wireless Distributed Systems. , 2015, , .		38
8	Efficient energy management in wireless rechargeable sensor networks. , 2012, , .		35
9	Wireless charging for weighted energy balance in populations of mobile peers. Ad Hoc Networks, 2017, 60, 1-10.	3.4	35
10	Emerging Trends in Hybrid Wireless Communication and Data Management for the Industry 4.0. Electronics (Switzerland), 2018, 7, 400.	1.8	32
11	Wireless Power Transfer Protocols in Sensor Networks: Experiments and Simulations. Journal of Sensor and Actuator Networks, 2017, 6, 4.	2.3	30
12	Performance Analysis of Latency-Aware Data Management in Industrial IoT Networks. Sensors, 2018, 18, 2611.	2.1	27
13	Hierarchical, collaborative wireless charging in sensor networks. , 2015, , .		25
14	A user-enabled testbed architecture with mobile crowdsensing support for smart, green buildings. , 2015, , .		24
15	Interactive Wireless Charging for Energy Balance. , 2016, , .		24
16	Maximizing industrial IoT network lifetime under latency constraints through edge data distribution. , 2018, , .		21
17	Improving sensor network performance with wireless energy transfer. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 20, 159.	0.3	20
18	An experimental evaluation of wireless power transfer protocols in mobile ad hoc networks. , 2015, , .		20

#	Article	IF	Citations
19	IoT Lab: Towards co-design and IoT solution testing using the crowd. , 2015, , .		18
20	Distributed Data Access in Industrial Edge Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 915-927.	9.7	18
21	Efficient, distributed coordination of multiple mobile chargers in sensor networks. , 2013, , .		17
22	Design and evaluation of characteristic incentive mechanisms in Mobile Crowdsensing Systems. Simulation Modelling Practice and Theory, 2015, 55, 95-106.	2.2	17
23	A Survey on Industrial Internet With ISA100 Wireless. IEEE Access, 2020, 8, 157177-157196.	2.6	16
24	The AUTOWARE Framework and Requirements for the Cognitive Digital Automation. IFIP Advances in Information and Communication Technology, 2017, , 107-117.	0.5	16
25	A software defined hierarchical communication and data management architecture for industry 4.0. , 2018, , .		15
26	Efficient Algorithms for Power Maximization in the Vector Model for Wireless Energy Transfer. , 2017, , .		14
27	Energy Balance with Peer-to-Peer Wireless Charging. , 2016, , .		13
28	A holistic IPv6 test-bed for smart, green buildings. , 2013, , .		12
29	An algorithmic study in the vector model for Wireless Power Transfer maximization. Pervasive and Mobile Computing, 2017, 42, 108-123.	2.1	11
30	A distributed data management scheme for industrial IoT environments. , 2017, , .		11
31	MARVEL: Multimodal Extreme Scale Data Analytics for Smart Cities Environments. , 2021, , .		11
32	Radiation-constrained algorithms for Wireless Energy Transfer in Ad hoc Networks. Computer Networks, 2017, 124, 1-10.	3.2	10
33	When Wireless Crowd Charging Meets Online Social Networks: A Vision for Socially Motivated Energy Sharing. Online Social Networks and Media, 2020, 16, 100069.	2.3	10
34	Decentralizing and Adding Portability to an IoT Test-Bed through Smartphones. , 2014, , .		9
35	Online Social Network Information Can Influence Wireless Crowd Charging. , 2019, , .		9
36	An Agnostic Data-Driven Approach to Predict Stoppages of Industrial Packing Machine in Near. , 2020, , .		8

#	Article	IF	Citations
37	Characteristic utilities, join policies and efficient incentives in Mobile Crowdsensing Systems. , 2014, , .		7
38	Interactive Wireless Charging for Weighted Energy Balance. , 2016, , .		6
39	Peer-to-Peer Wireless Energy Transfer in Populations of Very Weak Mobile Nodes. , 2017, , .		6
40	On the Performance of Data Distribution Methods for Wireless Industrial Networks. , 2019, , .		5
41	Efficient Wireless Recharging in Sensor Networks. , 2013, , .		4
42	Energy efficient network path reconfiguration for industrial field data. Computer Communications, 2020, 158, 1-9.	3.1	4
43	Balanced wireless crowd charging with mobility prediction and social awareness. Computer Networks, 2022, 211, 108989.	3.2	4
44	Towards a holistic federation of secure crowd-enabled IoT facilities. , 2015, , .		3
45	IEEE Access Special Section Editorial: Wirelessly Powered Networks: Algorithms, Applications, and Technologies. IEEE Access, 2019, 7, 18994-19001.	2.6	3
46	Crowd-Driven IoT/IoE Ecosystems: A Multidimensional Approach. Internet of Things, 2017, , 341-375.	1.3	3
47	Distributed Path Reconfiguration and Data Forwarding in Industrial IoT Networks. Lecture Notes in Computer Science, 2018, , 29-41.	1.0	3
48	MobiWEB: Mobility-Aware Energy Balancing for P2P Wireless Power Transfer. , 2021, , .		3
49	A Service Based Architecture for Multidisciplinary IoT Experiments with Crowdsourced Resources. Lecture Notes in Computer Science, 2016, , 187-201.	1.0	2
50	Wireless Crowd Charging with Battery Aging Mitigation. , 2022, , .		2
51	Adaptive, limited knowledge wireless recharging in sensor networks. , 2013, , .		1
52	Wireless Power Transfer in Sensor Networks with Adaptive, Limited Knowledge Protocols. , 2016, , 465-502.		1
53	Towards more Realistic Models for Wireless Power Transfer Algorithm Design. , 2017, , .		1
54	Wireless Crowd Charging Applications: Taxonomy and Research Directions. , 2020, , .		1

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55	Efficient Algorithms for Characteristic Wireless Power Transfer Problems in Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 204-215.	0.2	0
56	Efficient Wireless Power Transfer Under Radiation Constraints in Wireless Distributed Systems. , 2016, , 727-745.		0
57	Distributed Coordination Protocols for Wireless Charging in Sensor Networks. , 2016, , 355-387.		0
58	Assigning Hierarchy to Collaborative Mobile Charging in Sensor Networks. , 2016, , 533-559.		0
59	1st International Workshop on Data Distribution in Industrial and Pervasive Internet (DIPI). , 2019, , .		0
60	Message from the WPSN 2019 Workshop Chairs. , 2019, , .		0
61	Interactive Wireless Charging for Energy Balance. , 2016, , 585-603.		0
62	Efficient Wireless Power Transfer Maximization Algorithms in the Vector Model. , 2018, , 297-322.		0
63	Efficient Protocols for Peer-to-Peer Wireless Power Transfer and Energy-Aware Network Formation. Studies in Systems, Decision and Control, 2019, , 459-504.	0.8	0
64	User Incentivization in Mobile Crowdsensing Systems. Studies in Systems, Decision and Control, 2019, , 259-286.	0.8	0
65	Radiation Control Algorithms in Wireless Networks. Studies in Systems, Decision and Control, 2019, , 719-756.	0.8	0
66	Pervasive Computing for Safe Distancing and Production Optimization in Manufacturing: Challenges and Opportunities. , 2021, , .		0
67	Toward a Detailed Evaluation of Wireless Industrial Data Distribution Approaches. Sensors, 2022, 22, 2533.	2.1	0