

Thomas F La Porta

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,466
citations

623188

14
h-index

414034

32
g-index

77
all docs

77
docs citations

77
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Bidding Protocols for Deploying Mobile Sensors. IEEE Transactions on Mobile Computing, 2007, 6, 563-576.	3.9	211
2	Anticollision Protocols for Single-Reader RFID Systems: Temporal Analysis and Optimization. IEEE Transactions on Mobile Computing, 2011, 10, 267-279.	3.9	123
3	SET: Detecting node clones in sensor networks. , 2007, , .		118
4	Efficient and Privacy-Aware Data Aggregation in Mobile Sensing. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 115-129.	3.7	105
5	Intra-cloud lightning: Building CDNs in the cloud. , 2012, , .		90
6	Algorithms and Applications for Community Detection in Weighted Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2916-2926.	4.0	85
7	Service Placement and Request Scheduling for Data-Intensive Applications in Edge Clouds. IEEE/ACM Transactions on Networking, 2021, 29, 779-792.	2.6	78
8	Mitigating Performance Degradation in Congested Sensor Networks. IEEE Transactions on Mobile Computing, 2008, 7, 682-697.	3.9	54
9	TeamPhone: Networking SmartPhones for Disaster Recovery. IEEE Transactions on Mobile Computing, 2017, 16, 3554-3567.	3.9	42
10	Modeling the Resource Requirements of Convolutional Neural Networks on Mobile Devices. , 2017, , .		42
11	Exploiting open functionality in SMS-capable cellular networks. Journal of Computer Security, 2008, 16, 713-742.	0.5	31
12	Mitigation and Recovery From Cascading Failures in Interdependent Networks Under Uncertainty. IEEE Transactions on Control of Network Systems, 2019, 6, 501-514.	2.4	25
13	Privacy Preserving Communication in MANETs. , 2007, , .		22
14	Assigning Sensors to Competing Missions. , 2008, , .		19
15	Cooperative Data Offload in Opportunistic Networks: From Mobile Devices to Infrastructure. IEEE/ACM Transactions on Networking, 2017, 25, 3382-3395.	2.6	19
16	A Computing Platform for Video Crowdprocessing Using Deep Learning. , 2018, , .		19
17	Throughput Maximization in Mobile WSN Scheduling With Power Control and Rate Selection. IEEE Transactions on Wireless Communications, 2014, 13, 4066-4079.	6.1	18
18	Utility-Based Adaptation in Mission-Oriented Wireless Sensor Networks. , 2008, , .		17

#	ARTICLE	IF	CITATIONS
19	Adversarial Network Forensics in Software Defined Networking. , 2017, , .		17
20	Fast Network Configuration in Software Defined Networking. IEEE Transactions on Network and Service Management, 2018, 15, 1249-1263.	3.2	17
21	Augur: Modeling the Resource Requirements of ConvNets on Mobile Devices. IEEE Transactions on Mobile Computing, 2021, 20, 352-365.	3.9	16
22	Adaptive In-Network Processing for Bandwidth and Energy Constrained Mission-Oriented Multihop Wireless Networks. IEEE Transactions on Mobile Computing, 2012, 11, 1484-1498.	3.9	15
23	Catch Me if You Can: A Closer Look at Malicious Co-Residency on the Cloud. IEEE/ACM Transactions on Networking, 2019, 27, 560-576.	2.6	15
24	Who, When, Where: Timeslot Assignment to Mobile Clients. IEEE Transactions on Mobile Computing, 2012, 11, 73-85.	3.9	14
25	On Propagation of Phenomena in Interdependent Networks. IEEE Transactions on Network Science and Engineering, 2016, 3, 225-239.	4.1	14
26	ASR: anonymous and secure reporting of traffic forwarding activity in mobile ad hoc networks. Wireless Networks, 2009, 15, 525-539.	2.0	12
27	On the Vulnerabilities of the Virtual Force Approach to Mobile Sensor Deployment. IEEE Transactions on Mobile Computing, 2014, 13, 2592-2605.	3.9	12
28	On Critical Service Recovery After Massive Network Failures. IEEE/ACM Transactions on Networking, 2017, 25, 2235-2249.	2.6	12
29	On the Vulnerabilities of Voronoi-Based Approaches to Mobile Sensor Deployment. IEEE Transactions on Mobile Computing, 2016, 15, 3114-3128.	3.9	11
30	Efficient Group Mobility for Heterogeneous Sensor Networks. , 2006, , .		10
31	Multi-Hop Wireless Relay Networks of Mesh Clients. , 2008, , .		10
32	CrowdVision: A Computing Platform for Video Crowdprocessing Using Deep Learning. IEEE Transactions on Mobile Computing, 2019, 18, 1513-1526.	3.9	10
33	Context-Aware and Energy-Aware Video Streaming on Smartphones. IEEE Transactions on Mobile Computing, 2022, 21, 862-877.	3.9	10
34	Spatial and temporal considerations in next place predictions. , 2015, , .		9
35	Network Coding aware Rate Selection in multi-rate IEEE 802.11. , 2010, , .		8
36	Dynamic Interference Management in Femtocells. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
37	Admission Control for Consistent Users in Next Generation Cellular Networks. , 2019, , .		8
38	Network Integration in 3G and 4G Wireless Networks. , 2010, , .		7
39	Resource Allocation with Stochastic Demands. , 2012, , .		7
40	On Progressive Network Recovery From Massive Failures Under Uncertainty. IEEE Transactions on Network and Service Management, 2019, 16, 113-126.	3.2	7
41	PicSys: Energy-Efficient Fast Image Search on Distributed Mobile Networks. IEEE Transactions on Mobile Computing, 2021, 20, 1574-1589.	3.9	7
42	Scalability and Satisfiability of Quality-of-Information in Wireless Networks. IEEE/ACM Transactions on Networking, 2018, 26, 398-411.	2.6	6
43	NetVision: On-Demand Video Processing in Wireless Networks. IEEE/ACM Transactions on Networking, 2020, 28, 196-209.	2.6	6
44	Preventing Outages Under Coordinated Cyberâ€“Physical Attack With Secured PMUs. IEEE Transactions on Smart Grid, 2022, 13, 3160-3173.	6.2	6
45	Data Collection Using RFID and a Mobile Reader. , 2008, , .		5
46	Next place predictions based on user mobility traces. , 2015, , .		5
47	On Selective Activation in Dense Femtocell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7018-7029.	6.1	5
48	Inclusion of Pre-Existing Undervoltage Load Shedding Schemes in AC-QSS Cascading Failure Models. IEEE Transactions on Power Systems, 2021, 36, 5645-5656.	4.6	5
49	Mobile multi-layered IPsec. Wireless Networks, 2008, 14, 895-913.	2.0	4
50	Utility-based joint sensor selection and congestion control for task-oriented WSNs. , 2008, , .		4
51	Control-theoretic Optimization of Utility over Mission Lifetimes in Multi-hop Wireless Networks. , 2009, , .		4
52	Optimizing 5G Performance by Reallocating Unused Resources. , 2019, , .		4
53	On Interference Aware Power Adjustment and Scheduling in Femtocell Networks. IEEE/ACM Transactions on Networking, 2020, 28, 736-749.	2.6	4
54	Reducing the Cost of Consistency: Performance Improvements in Next Generation Cellular Networks with Optimal Resource Reallocation. IEEE Transactions on Mobile Computing, 2020, , 1-1.	3.9	4

#	ARTICLE	IF	CITATIONS
55	Enforcing Multilevel Security Policies in Unstable Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2349-2365.	3.2	4
56	Broadcasting in multi channel wireless networks in the presence of adversaries. , 2011, , .		3
57	Convergecast with aggregatable data classes. , 2012, , .		3
58	Proactive Data Dissemination to Mission Sites. , 2009, , .		2
59	Control-Theoretic Utility Maximization in Multihop Wireless Networks Under Mission Dynamics. IEEE/ACM Transactions on Networking, 2012, 20, 1082-1095.	2.6	2
60	Quality of Information in Gathering Information via Video Analytics for Military Networks. IEEE Communications Magazine, 2021, 59, 50-55.	4.9	2
61	Solving the Divergence Problem in AC-QSS Cascading Failure Model by Introducing the Effect of a Realistic UVLS Scheme. , 2020, , .		2
62	Link State Estimation Under Cyber-Physical Attacks: Theory and Algorithms. IEEE Transactions on Smart Grid, 2022, 13, 3760-3773.	6.2	2
63	Optimal Frame Tuning for Aloha Protocols in RFID Networks. , 2009, , .		1
64	Self-Adaptive Resource Allocation for Event Monitoring with Uncertainty in Sensor Networks. , 2015, , .		1
65	You canâ€™t get there from here: sensor scheduling with refocusing delays. Wireless Networks, 2015, 21, 1683-1698.	2.0	1
66	Network coding efficiency in the presence of an intermittent backhaul network. , 2016, , .		1
67	On the Detection of Adaptive Side-Channel Attackers in Cloud Environments. , 2018, , .		1
68	Large-Scale Hybrid ad hoc Network for Mobile Platforms: Challenges and Experiences. , 2019, , .		1
69	Packet Header Obfuscation Using MIMO. IEEE/ACM Transactions on Networking, 2020, 28, 1712-1725.	2.6	1
70	Optimal Resource Allocation for Crowdsourced Image Processing. , 2020, , .		1
71	Improvement of SCADA-Based Preventive Control Under Budget Constraints. IEEE Transactions on Network Science and Engineering, 2022, 9, 2601-2616.	4.1	1
72	Optimal Resource Allocation for Crowdsourced Image Processing. IEEE Transactions on Mobile Computing, 2023, 22, 6110-6125.	3.9	1

#	ARTICLE	IF	CITATIONS
73	Why an applications and practice magazine? [Message from the Editor-in-Chief]. IEEE Communications Magazine, 2007, 45, 2-2.	4.9	0
74	Who, when, where: Timeslot assignment to mobile clients. , 2009, , .		0
75	Cooperative Channelization in Wireless Networks with Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1073-1084.	4.0	0
76	Proactive data dissemination to mission sites. Wireless Networks, 2012, 18, 749-762.	2.0	0
77	Adversarial Network Forensics in Software Defined Networking. , 2017, , .		0