Fan Li

List of Publications by Year
in descending order

107 papers	3,801 citations	279487 23 h-index	182168 51 g-index
109 all docs	109 docs citations	109 times ranked	3514 citing authors

#	Article	IF	Citations
1	Routing in vehicular ad hoc networks: A survey. IEEE Vehicular Technology Magazine, 2007, 2, 12-22.	2.8	892
2	A reliable and accurate indoor localization method using phone inertial sensors. , 2012, , .		406
3	A Scalable Blockchain Framework for Secure Transactions in IoT. IEEE Internet of Things Journal, 2019, 6, 4650-4659.	5.5	154
4	Piggyback CrowdSensing (PCS). , 2013, , .		137
5	PoBT: A Lightweight Consensus Algorithm for Scalable IoT Business Blockchain. IEEE Internet of Things Journal, 2020, 7, 2343-2355.	5.5	130
6	A Survey of Network Virtualization Techniques for Internet of Things Using SDN and NFV. ACM Computing Surveys, 2021, 53, 1-40.	16.1	119
7	A survey of Internet of Things communication using ICN: A use case perspective. Computer Communications, 2019, 142-143, 95-123.	3.1	109
8	Recent Advances of Resource Allocation in Network Function Virtualization. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 295-314.	4.0	100
9	Cloudlet Placement and Task Allocation in Mobile Edge Computing. IEEE Internet of Things Journal, 2019, 6, 5853-5863.	5.5	87
10	A comprehensive survey of interface protocols for software defined networks. Journal of Network and Computer Applications, 2020, 156, 102563.	5.8	85
11	Delay-Aware Virtual Network Function Placement and Routing in Edge Clouds. IEEE Transactions on Mobile Computing, 2021, 20, 445-459.	3.9	77
12	Hierarchical Routing for Vehicular Ad Hoc Networks via Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2019, 68, 1852-1865.	3.9	67
13	L2P2: Location-aware location privacy protection for location-based services. , 2012, , .		66
14	Interoperability and Synchronization Management of Blockchain-Based Decentralized e-Health Systems. IEEE Transactions on Engineering Management, 2020, 67, 1363-1376.	2.4	56
15	Incentive-Aware Time-Sensitive Data Collection in Mobile Opportunistic Crowdsensing. IEEE Transactions on Vehicular Technology, 2017, 66, 7849-7861.	3.9	53
16	EchoTrack: Acoustic device-free hand tracking on smart phones. , 2017, , .		52
17	SDN Controllers. ACM Computing Surveys, 2021, 53, 1-40.	16.1	50
18	Optimal Online Data Dissemination for Resource Constrained Mobile Opportunistic Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 5301-5315.	3.9	44

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19	Delay-Sensitive and Availability-Aware Virtual Network Function Scheduling for NFV. IEEE Transactions on Services Computing, 2022, 15, 188-201.	3.2	44
20	SEBAR: Social-Energy-Based Routing for Mobile Social Delay-Tolerant Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7195-7206.	3.9	43
21	D^3-Guard: Acoustic-based Drowsy Driving Detection Using Smartphones. , 2019, , .		41
22	A unified hybrid information-centric naming scheme for IoT applications. Computer Communications, 2020, 150, 103-114.	3.1	37
23	A Context-Aware Multiarmed Bandit Incentive Mechanism for Mobile Crowd Sensing Systems. IEEE Internet of Things Journal, 2019, 6, 7648-7658.	5.5	33
24	GlobeChain: An Interoperable Blockchain for Global Sharing of Healthcare Dataâ€"A COVID-19 Perspective. IEEE Consumer Electronics Magazine, 2021, 10, 64-69.	2.3	32
25	You're driving and texting. , 2013, , .		31
26	Security and Privacy Challenges in Information-Centric Wireless Internet of Things Networks. IEEE Security and Privacy, 2020, 18, 35-45.	1.5	31
27	Blockchain for E-Health-Care Systems: Easier Said Than Done. Computer, 2020, 53, 57-67.	1.2	31
28	NCP: A near ICN Cache Placement Scheme for IoT-Based Traffic Class. , 2018, , .		30
29	A Distributed ICN-Based IoT Network Architecture: An Ambient Assisted Living Application Case Study. , 2017, , .		27
30	PPGPass: Nonintrusive and Secure Mobile Two-Factor Authentication via Wearables. , 2020, , .		27
31	QGrid: Q-learning based routing protocol for vehicular ad hoc networks. , 2014, , .		25
32	Providing location-aware location privacy protection for mobile location-based services. Tsinghua Science and Technology, 2016, 21, 243-259.	4.1	25
33	Listen to Your Fingers. , 2020, 4, 1-23.		25
34	Routing with multi-level cross-community social groups in mobile opportunistic networks. Personal and Ubiquitous Computing, 2014, 18, 385-396.	1.9	24
35	Enhancing participant selection through caching in mobile crowd sensing. , 2016, , .		24
36	Mobile Crowd Wireless Charging Toward Rechargeable Sensors for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 5337-5347.	5.5	24

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37	DAAC: Digital Asset Access Control in a Unified Blockchain Based E-Health System. IEEE Transactions on Big Data, 2022, 8, 1273-1287.	4.4	23
38	Three-Stage Stackelberg Long-Term Incentive Mechanism and Monetization for Mobile Crowdsensing: An Online Learning Approach. IEEE Transactions on Network Science and Engineering, 2021, 8, 1385-1398.	4.1	21
39	Multi-copy data dissemination with probabilistic delay constraint in mobile opportunistic device-to-device networks. , 2016, , .		20
40	Achieving Optimal Traffic Engineering Using a Generalized Routing Framework. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 51-65.	4.0	20
41	SoundMark: Accurate Indoor Localization via Peer-Assisted Dead Reckoning. IEEE Internet of Things Journal, 2018, 5, 4803-4815.	5.5	19
42	FallViewer: A Fine-Grained Indoor Fall Detection System With Ubiquitous Wi-Fi Devices. IEEE Internet of Things Journal, 2021, 8, 12455-12466.	5.5	19
43	Real-Time Detection for Drowsy Driving via Acoustic Sensing on Smartphones. IEEE Transactions on Mobile Computing, 2021, 20, 2671-2685.	3.9	16
44	Incentives for Delay-Constrained Data Query and Feedback in Mobile Opportunistic Crowdsensing. Sensors, 2016, 16, 1138.	2.1	15
45	Optimization Problems in Throwbox-Assisted Delay Tolerant Networks: Which Throwboxes to Activate? How Many Active Ones I Need?. IEEE Transactions on Computers, 2016, 65, 1663-1670.	2.4	15
46	CrowdX. , 2018, 2, 1-21.		15
47	HearFit: Fitness Monitoring on Smart Speakers via Active Acoustic Sensing. , 2021, , .		15
48	Dynamic gesture recognition using wireless signals with less disturbance. Personal and Ubiquitous Computing, 2019, 23, 17-27.	1.9	14
49	MP-Coopetition: Competitive and Cooperative Mechanism for Multiple Platforms in Mobile Crowd Sensing. IEEE Transactions on Services Computing, 2021, 14, 1864-1876.	3.2	13
50	PTASIM: Incentivizing Crowdsensing With POI-Tagging Cooperation Over Edge Clouds. IEEE Transactions on Industrial Informatics, 2020, 16, 4823-4831.	7.2	13
51	TeethPass: Dental Occlusion-based User Authentication via In-ear Acoustic Sensing. , 2022, , .		13
52	CondioSense: high-quality context-aware service for audio sensing system via active sonar. Personal and Ubiquitous Computing, 2017, 21, 17-29.	1.9	12
53	ClickLeak: Keystroke Leaks Through Multimodal Sensors in Cyber-Physical Social Networks. IEEE Access, 2017, 5, 27311-27321.	2.6	12
54	NNCP: A Named Data Network Control Protocol for IoT Applications. , 2018, , .		12

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55	DOLPHIN: Dynamically Optimized and Load Balanced Path for Inter-Domain SDN Communication. IEEE Transactions on Network and Service Management, 2021, 18, 331-346.	3.2	12
56	CanalScan: Tongue-Jaw Movement Recognition via Ear Canal Deformation Sensing. , 2021, , .		12
57	Hybrid Position-Based and DTN Forwarding for Vehicular Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 186146.	1.3	10
58	Energy efficient social routing framework for mobile social sensing networks. Tsinghua Science and Technology, 2016, 21, 363-373.	4.1	10
59	EchoLoc: Accurate Device-Free Hand Localization Using COTS Devices. , 2016, , .		10
60	Coexistence of ICN and IP Networks: An NFV as a Service Approach. , 2019, , .		10
61	Survivable Task Allocation in Cloud Radio Access Networks With Mobile-Edge Computing. IEEE Internet of Things Journal, 2021, 8, 1095-1108.	5.5	10
62	AWash: Handwashing Assistance for the Elderly with Dementia via Wearables. , 2021, , .		10
63	Caching-Enabled Computation Offloading in Multi-Region MEC Network via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 21086-21098.	5.5	10
64	Hybrid Position-Based and DTN Forwarding in Vehicular Ad Hoc Networks. , 2012, , .		9
65	Geo-social: Routing with location and social metrics in mobile opportunistic networks. , 2015, , .		9
66	Multi-expertise Aware Participant Selection in Mobile Crowd Sensing via Online Learning. , 2018, , .		9
67	Participant Grouping for Privacy Preservation in Mobile Crowdsensing over Hierarchical Edge Clouds. , 2018, , .		9
68	Cumulative Participant Selection with Switch Costs in Large-Scale Mobile Crowd Sensing. , 2018, , .		9
69	Social Feature Enhanced Group-Based Routing for Wireless Delay Tolerant Networks. , 2012, , .		8
70	Efficient Topology Design in Time-Evolving and Energy-Harvesting Wireless Sensor Networks. , 2013, , .		8
71	K-throwbox placement problem in throwbox-assisted delay tolerant networks. , 2014, , .		8
72	A mobility clustering-based roadside units deployment for VANET. , 2014, , .		7

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73	Gait and Respiration-Based User Identification Using Wi-Fi Signal. IEEE Internet of Things Journal, 2022, 9, 3509-3521.	5.5	7
74	Power of Redundancy: Surplus Client Scheduling for Federated Learning against User Uncertainties. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	7
75	Elastic and Efficient Virtual Network Provisioning for Cloud-Based Multi-tier Applications. , 2015, , .		6
76	When User Interest Meets Data Quality: A Novel User Filter Scheme for Mobile Crowd Sensing. , 2017, , .		6
77	T-CAM: Time-based content access control mechanism for ICN subscription systems. Future Generation Computer Systems, 2020, 106, 607-621.	4.9	6
78	Routing with multi-level social groups in Mobile Opportunistic Networks. , 2012, , .		5
79	Distributed load balancing mechanism for detouring schemes of geographic routing in wireless sensor networks. International Journal of Parallel, Emergent and Distributed Systems, 2013, 28, 184-197.	0.7	5
80	Traffic distribution of circular sailing routing in dense multihop wireless networks. Tsinghua Science and Technology, 2013, 18, 220-229.	4.1	5
81	Multi-layer-based opportunistic data collection in mobile crowdsourcing networks. World Wide Web, 2018, 21, 783-802.	2.7	5
82	Space Efficient Quantization for Deep Convolutional Neural Networks. Journal of Computer Science and Technology, 2019, 34, 305-317.	0.9	5
83	Localized Topologies with Bounded Node Degree for Three Dimensional Wireless Sensor Networks. , 2011, , .		4
84	Distributed Load Balancing Mechanism for Detouring Routing Holes in Sensor Networks. , 2012, , .		4
85	Closeness-based routing with temporal constraint for mobile social delay tolerant networks. , 2014, , .		4
86	Fair Incentive Mechanism With Imperfect Quality in Privacy-Preserving Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 19188-19200.	5.5	4
87	TMODF: Trajectory-based multi-objective optimal data forwarding in vehicular networks. , 2014, , .		3
88	HearSmoking: Smoking Detection in Driving Environment via Acoustic Sensing on Smartphones. IEEE Transactions on Mobile Computing, 2022, 21, 2847-2860.	3.9	3
89	HearFit+: Personalized Fitness Monitoring via Audio Signals on Smart Speakers. IEEE Transactions on Mobile Computing, 2023, 22, 2756-2770.	3.9	3
90	Self-adaptive anonymous communication scheme under SDN architecture. , 2015, , .		2

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91	FI-Net: A Speech Emotion Recognition Framework with Feature Integration and Data Augmentation. , 2019, , .		2
92	Traffic routing in stochastic network function virtualization networks. Journal of Network and Computer Applications, 2020, 169, 102765.	5.8	2
93	Towards Nonintrusive and Secure Mobile Two-Factor Authentication on Wearables. IEEE Transactions on Mobile Computing, 2023, 22, 3046-3061.	3.9	2
94	Online Control of Service Function Chainings Across Geo-Distributed Datacenters. IEEE Transactions on Mobile Computing, 2023, 22, 3558-3571.	3.9	2
95	PPGSign: Handwritten Signature Authentication using Wearable PPG Sensor. , 2022, , .		2
96	SymListener: Detecting Respiratory Symptoms via Acoustic Sensing in Driving Environments. ACM Transactions on Sensor Networks, 2023, 19, 1-21.	2.3	2
97	Fault-tolerant topology for energy-harvesting heterogeneous wireless sensor networks. , 2015, , .		1
98	Joint Optimization of Flow Latency in Routing and Scheduling for Software Defined Networks. , 2016, , .		1
99	W3W. ACM Transactions on Sensor Networks, 2019, 15, 1-23.	2.3	1
100	A Real-Time Bike Trip Planning Policy With Self-Organizing Bike Redistribution. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10646-10661.	4.7	1
101	HDSpeed: Hybrid Detection of Vehicle Speed via Acoustic Sensing on Smartphones. IEEE Transactions on Mobile Computing, 2022, 21, 2833-2846.	3.9	1
102	Guest editorial: Special issue on wireless mobile computing and networking. Tsinghua Science and Technology, 2011, 16, 449-450.	4.1	0
103	Magnetic field modeling-based energy efficient routing in wireless sensor networks. , 2013, , .		0
104	Traffic load distribution of circular sailing routing in dense wireless networks. , 2013, , .		0
105	Latency-aware routing with bandwidth assignment for Software Defined Networks. , 2015, , .		0
106	Incentive Mechanism for Crowdsourced Mobile Video Offloading. , 2016, , .		0
107	On the Feasibility of Handwritten Signature Authentication Using PPG Sensor. , 2022, , .		0