

Jiadi Yu

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,566
citations

516215

16
h-index

433756

31
g-index

88
all docs

88
docs citations

88
times ranked

1187
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Secure Multikeyword Top-k Retrieval over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2013, 10, 239-250.	3.7	135
2	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 2198-2212.	3.9	106
3	Continuous Authentication Through Finger Gesture Interaction for Smart Homes Using WiFi. IEEE Transactions on Mobile Computing, 2021, 20, 3148-3162.	3.9	95
4	An Indirect Eavesdropping Attack of Keystrokes on Touch Screen through Acoustic Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 337-351.	3.9	83
5	BreathListener. , 2019, , .		74
6	D<sup>3</sup>: Abnormal driving behaviors detection and identification using smartphone sensors. , 2015, , .		68
7	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. IEEE/ACM Transactions on Networking, 2019, 27, 447-460.	2.6	66
8	SenSpeed: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments. IEEE Transactions on Mobile Computing, 2016, 15, 202-216.	3.9	65
9	LipPass: Lip Reading-based User Authentication on Smartphones Leveraging Acoustic Signals. , 2018, , .		61
10	SenSpeed: Sensing driving conditions to estimate vehicle speed in urban environments. , 2014, , .		60
11	Pothole in the Dark: Perceiving Pothole Profiles with Participatory Urban Vehicles. IEEE Transactions on Mobile Computing, 2017, 16, 1408-1419.	3.9	49
12	A Double Auction Mechanism to Bridge Usersâ€™ Task Requirements and Providersâ€™ Resources in Two-Sided Cloud Markets. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 720-733.	4.0	45
13	Energy-Efficient Two-Layer Cooperative Defense Scheme to Secure Sensor-Clouds. IEEE Transactions on Information Forensics and Security, 2018, 13, 408-420.	4.5	34
14	Distributed Feature Selection for Big Data Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2020, 28, 846-857.	6.5	34
15	Free-Riding on BitTorrent-Like Peer-to-Peer File Sharing Systems: Modeling Analysis and Improvement. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 954-966.	4.0	32
16	Sensing Human-Screen Interaction for Energy-Efficient Frame Rate Adaptation on Smartphones. IEEE Transactions on Mobile Computing, 2015, 14, 1698-1711.	3.9	31
17	Acoustic-based sensing and applications: A survey. Computer Networks, 2020, 181, 107447.	3.2	31
18	KeyListener: Inferring Keystrokes on QWERTY Keyboard of Touch Screen through Acoustic Signals. , 2019, , .		30

#	ARTICLE	IF	CITATIONS
19	Leveraging Audio Signals for Early Recognition of Inattentive Driving with Smartphones. IEEE Transactions on Mobile Computing, 2018, 17, 1553-1567.	3.9	29
20	ER: Early recognition of inattentive driving leveraging audio devices on smartphones. , 2017, , .		24
21	A Survey on Cross-domain Recommendation: Taxonomies, Methods, and Future Directions. ACM Transactions on Information Systems, 2023, 41, 1-39.	3.8	24
22	L3: Sensing driving conditions for vehicle lane-level localization on highways. , 2016, , .		22
23	Leveraging Smartphones for Vehicle Lane-Level Localization on Highways. IEEE Transactions on Mobile Computing, 2018, 17, 1894-1907.	3.9	19
24	VocalLock. , 2020, 4, 1-24.		19
25	Endophasia. , 2020, 4, 1-26.		18
26	PChord: Improvement on Chord to Achieve Better Routing Efficiency by Exploiting Proximity. , 0, , .		16
27	SECO: Secure and scalable data collaboration services in cloud computing. Computers and Security, 2015, 50, 91-105.	4.0	16
28	Online auction for IaaS clouds: Towards elastic user demands and weighted heterogeneous VMs. , 2017, , .		14
29	SteerTrack: Acoustic-Based Device-Free Steering Tracking Leveraging Smartphones. , 2018, , .		14
30	Utility-maximizing data collection in crowd sensing: An optimal scheduling approach. , 2015, , .		13
31	Online Auction for IaaS Clouds: Towards Elastic User Demands and Weighted Heterogeneous VMs. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2075-2089.	4.0	13
32	Group Buying Based Incentive Mechanism for Mobile Crowd Sensing. , 2016, , .		11
33	Leveraging Acoustic Signals for Vehicle Steering Tracking with Smartphones. IEEE Transactions on Mobile Computing, 2020, 19, 865-879.	3.9	10
34	Achieving secure and efficient data collaboration in cloud computing. , 2013, , .		9
35	Robust Continuous Authentication Using Cardiac Biometrics From Wrist-Worn Wearables. IEEE Internet of Things Journal, 2022, 9, 9542-9556.	5.5	9
36	S3: Characterizing Sociality for User-Friendly Steady Load Balancing in Enterprise WLANs. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
37	MagPrint: Deep Learning Based User Fingerprinting Using Electromagnetic Signals. , 2020, , .		8
38	VPad: Virtual Writing Tablet for Laptops Leveraging Acoustic Signals. , 2018, , .		7
39	PhSIH. , 2019, , .		7
40	Dynamically Adjusting Scale of a Kubernetes Cluster under QoS Guarantee. , 2019, , .		7
41	Detecting Taxi Trajectory Anomaly Based on Spatio-Temporal Relations. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6883-6894.	4.7	7
42	MO-Tree: An Efficient Forwarding Engine for Spatiotemporal-Aware Pub/Sub Systems. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 855-866.	4.0	7
43	mmECG: Monitoring Human Cardiac Cycle in Driving Environments Leveraging Millimeter Wave. , 2022, , .		7
44	Location Privacy-Preserving Method for Auction-Based Incentive Mechanisms in Mobile Crowd Sensing. Computer Journal, 2018, 61, 937-948.	1.5	6
45	Double Auction for a Data Trading Market with Preferences and Conflicts of Interest. Computer Journal, 2019, 62, 1490-1504.	1.5	6
46	STL: Online Detection of Taxi Trajectory Anomaly Based on Spatial-Temporal Laws. Lecture Notes in Computer Science, 2019, , 764-779.	1.0	6
47	Processing-While-Transmitting: Cost-Minimized Transmission in SDN-Based STINs. IEEE/ACM Transactions on Networking, 2022, 30, 243-256.	2.6	6
48	Color Scheme Adaptation to Enhance User Experience on Smartphone Displays Leveraging Ambient Light. IEEE Transactions on Mobile Computing, 2017, 16, 688-701.	3.9	5
49	A GPU-Accelerated Framework for Processing Trajectory Queries. , 2018, , .		5
50	GAT: A Unified GPU-Accelerated Framework for Processing Batch Trajectory Queries. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 92-107.	4.0	5
51	Push the Limit of Multipath Profiling Using Commodity WiFi Devices With Limited Bandwidth. IEEE Transactions on Vehicular Technology, 2020, 69, 4142-4154.	3.9	5
52	Jointly Modeling Heterogeneous Student Behaviors and Interactions among Multiple Prediction Tasks. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-24.	2.5	5
53	Modeling Analysis and Improvement for Free-Riding on BitTorrent-like File Sharing Systems. , 2007, , .		4
54	l3. , 2019, 3, 1-22.		4

#	ARTICLE	IF	CITATIONS
55	An Unsupervised Incremental Virtual Learning Method for Financial Fraud Detection. , 2019, , .		4
56	Leveraging Acoustic Signals for Fine-Grained Breathing Monitoring in Driving Environments. IEEE Transactions on Mobile Computing, 2022, 21, 1018-1033.	3.9	4
57	Reference Waveforms Forward Concurrent Transmissions in ZigBee Communications. IEEE/ACM Transactions on Networking, 2020, 28, 1629-1642.	2.6	4
58	A Profit-maximizing Mechanism for Query-based Data Trading with Personalized Differential Privacy. Computer Journal, 2021, 64, 264-280.	1.5	4
59	Dynamical Control Domain Division for Software-Defined Satellite-Ground Integrated Vehicular Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2732-2741.	4.1	4
60	EMP: Exploiting Mobility Patterns for Collaborative Localization in Sparse Mobile Networks. International Journal of Distributed Sensor Networks, 2014, 10, 370364.	1.3	4
61	Delay-Optimal Cooperation Transmission in Remote Sensing Satellite Networks. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	4
62	Distributed Spectrum Sharing in Cognitive Radio Networks: A Pricing-Based Decomposition Approach. International Journal of Distributed Sensor Networks, 2014, 10, 262137.	1.3	3
63	A distributed spectrum sharing algorithm in cognitive radio networks. , 2014, , .		3
64	WiZoom: Accurate Multipath Profiling using Commodity WiFi Devices with Limited Bandwidth. , 2019, , .		3
65	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. Computer Journal, 2021, 64, 1814-1831.	1.5	3
66	Optimized Controller Provisioning in Software-Defined LEO Satellite Networks. IEEE Transactions on Mobile Computing, 2023, 22, 4850-4864.	3.9	3
67	PV-TSC: Learning to Control Traffic Signals for Pedestrian and Vehicle Traffic in 6G Era. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	4.7	3
68	Push the Limit of WiFi-based User Authentication towards Undefined Gestures. , 2022, , .		3
69	P2E: Privacy-preserving and effective cloud data sharing service. , 2013, , .		2
70	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		2
71	SmartCut: Mitigating 3G Radio Tail Effect on Smartphones. IEEE Transactions on Mobile Computing, 2015, 14, 169-179.	3.9	2
72	Cost-efficient VM configuration algorithm in the cloud using mix scaling strategy. , 2017, , .		2

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73	Online Pricing for Efficient Renewable Energy Sharing in a Sustainable Microgrid. Computer Journal, 2017, , .	1.5	2
74	Evolutionary game-based cooperative strategy for effective capacity of multiple-input-multiple-output communications. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773796.	1.3	2
75	Optimizing the Waiting Time of Sensors in a MANET to Strike a Balance between Energy Consumption and Data Timeliness. , 2019, , .		2
76	Online task dispatching and pricing for quality-of-service-aware sensing data collection for mobile edge clouds. CCF Transactions on Networking, 2019, 2, 28-42.	1.0	2
77	OnionCode: Enabling Multi-priority Coding in LED-based Optical Camera Communications. , 2022, , .		2
78	Constructing Interest-Oriented Search Union of Web Servers based on P2P Overlay. , 2007, , .		1
79	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		1
80	Ada-copy: An Adaptive Memory Copy Strategy for Virtual Machine Live Migration. , 2017, , .		1
81	DOAD: An Online Dredging Operation Anomaly Detection Method based on AIS Data. , 2019, , .		1
82	Redundancy-Aware and Budget-Feasible Incentive Mechanism in Crowd Sensing. Computer Journal, 2019, , .	1.5	1
83	OutSense: Out-of-Band Sensing with ZigBee Sensors for Channel Adaptation in Wireless LANs. , 2015, , .		0
84	Differentially Private Wireless Data Publication in Large-Scale WLAN Networks. , 2015, , .		0
85	Sensing Driver Behaviors for Early Recognition of Inattentive Driving. Springer Briefs in Electrical and Computer Engineering, 2018, , 45-64.	0.3	0
86	UpPreempt: A Fine-Grained Preemptive Scheduling Strategy for Container-Based Clusters. , 2018, , .		0
87	A QoS-oriented Scheduling and Autoscaling Framework for Deep Learning. , 2019, , .		0
88	Sensing Vehicle Dynamics with Smartphones. Springer Briefs in Electrical and Computer Engineering, 2018, , 7-23.	0.3	0