

# Jiadi Yu

## List of Publications by Year in descending order

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88  
papers

1,566  
citations

516215

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h-index

433756

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88  
docs citations

88  
times ranked

1187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimized Controller Provisioning in Software-Defined LEO Satellite Networks. IEEE Transactions on Mobile Computing, 2023, 22, 4850-4864.	3.9	3
2	A Survey on Cross-domain Recommendation: Taxonomies, Methods, and Future Directions. ACM Transactions on Information Systems, 2023, 41, 1-39.	3.8	24
3	Leveraging Acoustic Signals for Fine-Grained Breathing Monitoring in Driving Environments. IEEE Transactions on Mobile Computing, 2022, 21, 1018-1033.	3.9	4
4	Detecting Taxi Trajectory Anomaly Based on Spatio-Temporal Relations. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6883-6894.	4.7	7
5	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
6	Processing-While-Transmitting: Cost-Minimized Transmission in SDN-Based STINs. IEEE/ACM Transactions on Networking, 2022, 30, 243-256.	2.6	6
7	Robust Continuous Authentication Using Cardiac Biometrics From Wrist-Worn Wearables. IEEE Internet of Things Journal, 2022, 9, 9542-9556.	5.5	9
8	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
9	Delay-Optimal Cooperation Transmission in Remote Sensing Satellite Networks. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	4
10	Push the Limit of WiFi-based User Authentication towards Undefined Gestures. , 2022, , .		3
11	OnionCode: Enabling Multi-priority Coding in LED-based Optical Camera Communications. , 2022, , .		2
12	mmECG: Monitoring Human Cardiac Cycle in Driving Environments Leveraging Millimeter Wave. , 2022, , .		7
13	Continuous Authentication Through Finger Gesture Interaction for Smart Homes Using WiFi. IEEE Transactions on Mobile Computing, 2021, 20, 3148-3162.	3.9	95
14	Enable Traditional Laptops with Virtual Writing Capability Leveraging Acoustic Signals. Computer Journal, 2021, 64, 1814-1831.	1.5	3
15	A Profit-maximizing Mechanism for Query-based Data Trading with Personalized Differential Privacy. Computer Journal, 2021, 64, 264-280.	1.5	4
16	An Indirect Eavesdropping Attack of Keystrokes on Touch Screen through Acoustic Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 337-351.	3.9	83
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Leveraging Acoustic Signals for Vehicle Steering Tracking with Smartphones. IEEE Transactions on Mobile Computing, 2020, 19, 865-879.	3.9	10
21	Distributed Feature Selection for Big Data Using Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2020, 28, 846-857.	6.5	34
22	Acoustic-based sensing and applications: A survey. Computer Networks, 2020, 181, 107447.	3.2	31
23	MagPrint: Deep Learning Based User Fingerprinting Using Electromagnetic Signals. , 2020, , .		8
24	Reference Waveforms Forward Concurrent Transmissions in ZigBee Communications. IEEE/ACM Transactions on Networking, 2020, 28, 1629-1642.	2.6	4
25	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
26	Endophasia. , 2020, 4, 1-26.		18
27	VocalLock. , 2020, 4, 1-24.		19
28	PhSIH. , 2019, , .		7
29	BreathListener. , 2019, , .		74
30	A QoS-oriented Scheduling and Autoscaling Framework for Deep Learning. , 2019, , .		0
31	I3. , 2019, 3, 1-22.		4
32	Lip Reading-Based User Authentication Through Acoustic Sensing on Smartphones. IEEE/ACM Transactions on Networking, 2019, 27, 447-460.	2.6	66
33	Double Auction for a Data Trading Market with Preferences and Conflicts of Interest. Computer Journal, 2019, 62, 1490-1504.	1.5	6
34	KeyListener: Inferring Keystrokes on QWERTY Keyboard of Touch Screen through Acoustic Signals. , 2019, , .		30
35	STL: Online Detection of Taxi Trajectory Anomaly Based on Spatial-Temporal Laws. Lecture Notes in Computer Science, 2019, , 764-779.	1.0	6
36	An Unsupervised Incremental Virtual Learning Method for Financial Fraud Detection. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
37	Optimizing the Waiting Time of Sensors in a MANET to Strike a Balance between Energy Consumption and Data Timeliness. , 2019, , .		2
38	Dynamically Adjusting Scale of a Kubernetes Cluster under QoS Guarantee. , 2019, , .		7
39	WiZoom: Accurate Multipath Profiling using Commodity WiFi Devices with Limited Bandwidth. , 2019, , .		3
40	DOAD: An Online Dredging Operation Anomaly Detection Method based on AIS Data. , 2019, , .		1
41	Redundancy-Aware and Budget-Feasible Incentive Mechanism in Crowd Sensing. Computer Journal, 2019, , .	1.5	1
42	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
43	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
44	Sensing Driver Behaviors for Early Recognition of Inattentive Driving. Springer Briefs in Electrical and Computer Engineering, 2018, , 45-64.	0.3	0
45	Leveraging Audio Signals for Early Recognition of Inattentive Driving with Smartphones. IEEE Transactions on Mobile Computing, 2018, 17, 1553-1567.	3.9	29
46	Leveraging Smartphones for Vehicle Lane-Level Localization on Highways. IEEE Transactions on Mobile Computing, 2018, 17, 1894-1907.	3.9	19
47	Location Privacy-Preserving Method for Auction-Based Incentive Mechanisms in Mobile Crowd Sensing. Computer Journal, 2018, 61, 937-948.	1.5	6
48	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
49	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
50	UpPreempt: A Fine-Grained Preemptive Scheduling Strategy for Container-Based Clusters. , 2018, , .		0
51	VPad: Virtual Writing Tablet for Laptops Leveraging Acoustic Signals. , 2018, , .		7
52	LipPass: Lip Reading-based User Authentication on Smartphones Leveraging Acoustic Signals. , 2018, , .		61
53	A GPU-Accelerated Framework for Processing Trajectory Queries. , 2018, , .		5
54	SteerTrack: Acoustic-Based Device-Free Steering Tracking Leveraging Smartphones. , 2018, , .		14

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55	Sensing Vehicle Dynamics with Smartphones. Springer Briefs in Electrical and Computer Engineering, 2018, , 7-23.	0.3	0
56	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
57	Cost-efficient VM configuration algorithm in the cloud using mix scaling strategy. , 2017, , .		2
58	Online Pricing for Efficient Renewable Energy Sharing in a Sustainable Microgrid. Computer Journal, 2017, , .	1.5	2
59	Fine-Grained Abnormal Driving Behaviors Detection and Identification with Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 2198-2212.	3.9	106
60	Pothole in the Dark: Perceiving Pothole Profiles with Participatory Urban Vehicles. IEEE Transactions on Mobile Computing, 2017, 16, 1408-1419.	3.9	49
61	Online auction for IaaS clouds: Towards elastic user demands and weighted heterogeneous VMs. , 2017, , .		14
62	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
63	ER: Early recognition of inattentive driving leveraging audio devices on smartphones. , 2017, , .		24
64	Ada-copy: An Adaptive Memory Copy Strategy for Virtual Machine Live Migration. , 2017, , .		1
65	L3: Sensing driving conditions for vehicle lane-level localization on highways. , 2016, , .		22
66	Group Buying Based Incentive Mechanism for Mobile Crowd Sensing. , 2016, , .		11
67	SenSpeed: Sensing Driving Conditions to Estimate Vehicle Speed in Urban Environments. IEEE Transactions on Mobile Computing, 2016, 15, 202-216.	3.9	65
68	Utility-maximizing data collection in crowd sensing: An optimal scheduling approach. , 2015, , .		13
69	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		1
70	OutSense: Out-of-Band Sensing with ZigBee Sensors for Channel Adaptation in Wireless LANs. , 2015, , .		0
71	Differentially Private Wireless Data Publication in Large-Scale WLAN Networks. , 2015, , .		0
72	D&sup>3&lt;/sup>: Abnormal driving behaviors detection and identification using smartphone sensors. , 2015, , .		68

#	ARTICLE	IF	CITATIONS
73	SECO: Secure and scalable data collaboration services in cloud computing. Computers and Security, 2015, 50, 91-105.	4.0	16
74	Sensing Human-Screen Interaction for Energy-Efficient Frame Rate Adaptation on Smartphones. IEEE Transactions on Mobile Computing, 2015, 14, 1698-1711.	3.9	31
75	Towards Redundancy-Aware Data Utility Maximization in Crowdsourced Sensing with Smartphones. , 2015, , .		2
76	SmartCut: Mitigating 3G Radio Tail Effect on Smartphones. IEEE Transactions on Mobile Computing, 2015, 14, 169-179.	3.9	2
77	Distributed Spectrum Sharing in Cognitive Radio Networks: A Pricing-Based Decomposition Approach. International Journal of Distributed Sensor Networks, 2014, 10, 262137.	1.3	3
78	A distributed spectrum sharing algorithm in cognitive radio networks. , 2014, , .		3
79	SenSpeed: Sensing driving conditions to estimate vehicle speed in urban environments. , 2014, , .		60
80	EMP: Exploiting Mobility Patterns for Collaborative Localization in Sparse Mobile Networks. International Journal of Distributed Sensor Networks, 2014, 10, 370364.	1.3	4
81	S3: Characterizing Sociality for User-Friendly Steady Load Balancing in Enterprise WLANs. , 2013, , .		8
82	Achieving secure and efficient data collaboration in cloud computing. , 2013, , .		9
83	Toward Secure Multikeyword Top-k Retrieval over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2013, 10, 239-250.	3.7	135
84	P2E: Privacy-preserving and effective cloud data sharing service. , 2013, , .		2
85	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
86	Constructing Interest-Oriented Search Union of Web Servers based on P2P Overlay. , 2007, , .		1
87	Modeling Analysis and Improvement for Free-Riding on BitTorrent-like File Sharing Systems. , 2007, , .		4
88	PChord: Improvement on Chord to Achieve Better Routing Efficiency by Exploiting Proximity. , 0, , .		16