Xiping Hu

List of Publications by Year
in descending order

82 papers	**4,658** citations
136950 **32** h-index	114465 **63** g-index
83 all docs	**83** docs citations
83 times ranked	**4361** citing authors

#	Article	IF	Citations
1	Energy-Latency Tradeoff for Energy-Aware Offloading in Mobile Edge Computing Networks. IEEE Internet of Things Journal, 2018, 5, 2633-2645.	8.7	426
2	Vehicular Social Networks: Enabling Smart Mobility. , 2017, 55, 16-55.		283
3	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2506-2517.	8.7	241
4	Intelligent Edge Computing in Internet of Vehicles: A Joint Computation Offloading and Caching Solution. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2212-2225.	8.0	211
5	Mobile Edge Computing Enabled 5G Health Monitoring for Internet of Medical Things: A Decentralized Game Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2021, 39, 463-478.	14.0	202
6	Stochastic Computation Offloading and Trajectory Scheduling for UAV-Assisted Mobile Edge Computing. IEEE Internet of Things Journal, 2019, 6, 3688-3699.	8.7	191
7	A City-Wide Real-Time Traffic Management System: Enabling Crowdsensing in Social Internet of Vehicles. IEEE Communications Magazine, 2018, 56, 19-25.	6.1	171
8	Joint Computing and Caching in 5G-Envisioned Internet of Vehicles: A Deep Reinforcement Learning-Based Traffic Control System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5201-5212.	8.0	164
9	Feature-level fusion approaches based on multimodal EEG data for depression recognition. Information Fusion, 2020, 59, 127-138.	19.1	159
10	Vita: A Crowdsensing-Oriented Mobile Cyber-Physical System. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 148-165.	4.6	146
11	A Survey on Mobile Social Networks: Applications, Platforms, System Architectures, and Future Research Directions. IEEE Communications Surveys and Tutorials, 2015, 17, 1557-1581.	39.4	146
12	Future Communications and Energy Management in the Internet of Vehicles: Toward Intelligent Energy-Harvesting. IEEE Wireless Communications, 2019, 26, 87-93.	9.0	120
13	When Deep Reinforcement Learning Meets 5G-Enabled Vehicular Networks: A Distributed Offloading Framework for Traffic Big Data. IEEE Transactions on Industrial Informatics, 2020, 16, 1352-1361.	11.3	120
14	Multidimensional context-aware social network architecture for mobile crowdsensing. , 2014, 52, 78-87.		116
15	Privacy-Preserving Content Dissemination for Vehicular Social Networks: Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2019, 21, 1314-1345.	39.4	114
16	Joint Resource Allocation for Latency-Sensitive Services Over Mobile Edge Computing Networks With Caching. IEEE Internet of Things Journal, 2019, 6, 4283-4294.	8.7	110
17	Partial Computation Offloading and Adaptive Task Scheduling for 5G-Enabled Vehicular Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1319-1333.	5.8	108
18	Emotion-Aware Cognitive System in Multi-Channel Cognitive Radio Ad Hoc Networks. IEEE Communications Magazine, 2018, 56, 180-187.	6.1	103

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19	Augmented Skeleton Based Contrastive Action Learning with Momentum LSTM for Unsupervised Action Recognition. Information Sciences, 2021, 569, 90-109.	6.9	96
20	Mobile Cyber Physical Systems: Current Challenges and Future Networking Applications. IEEE Access, 2018, 6, 12360-12368.	4.2	94
21	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. IEEE Transactions on Industrial Informatics, 2017, 13, 810-820.	11.3	92
22	Distributed and Dynamic Service Placement in Pervasive Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1277-1292.	5.6	85
23	Lightweight Management of Resource-Constrained Sensor Devices in Internet of Things. IEEE Internet of Things Journal, 2015, 2, 402-411.	8.7	82
24	Data-Driven Intrusion Detection for Intelligent Internet of Vehicles: A Deep Convolutional Neural Network-Based Method. IEEE Transactions on Network Science and Engineering, 2020, 7, 2219-2230.	6.4	79
25	Optimizing Content Dissemination for Real-Time Traffic Management in Large-Scale Internet of Vehicle Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 1093-1105.	6.3	67
26	Deep Learning in Edge of Vehicles: Exploring Trirelationship for Data Transmission. IEEE Transactions on Industrial Informatics, 2019, 15, 5737-5746.	11.3	64
27	A Privacy-Preserving Message Forwarding Framework for Opportunistic Cloud of Things. IEEE Internet of Things Journal, 2018, 5, 5281-5295.	8.7	53
28	A Self-Supervised Gait Encoding Approach With Locality-Awareness for 3D Skeleton Based Person Re-Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6649-6666.	13.9	42
29	Private-Blockchain-Based Industrial IoT for Material and Product Tracking in Smart Manufacturing. IEEE Network, 2020, 34, 91-97.	6.9	41
30	Facial Expression Recognition Using Frequency Neural Network. IEEE Transactions on Image Processing, 2021, 30, 444-457.	9.8	40
31	S-Aframe: Agent-Based Multilayer Framework With Context-Aware Semantic Service for Vehicular Social Networks. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 44-63.	4.6	39
32	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing. , 2013, , .		37
33	Green cell planning and deployment for small cell networks in smart cities. Ad Hoc Networks, 2016, 43, 30-42.	5.5	37
34	A multi-modal open dataset for mental-disorder analysis. Scientific Data, 2022, 9, 178.	5.3	37
35	SAfeDJ. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 12, 1-24.	4.3	35
36	Internet-of-Things-Enabled Data Fusion Method for Sleep Healthcare Applications. IEEE Internet of Things Journal, 2021, 8, 15892-15905.	8.7	34

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37	Blockchain Based IIoT Data Sharing Framework for SDN-Enabled Pervasive Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 5041-5049.	11.3	33
38	Depression Prevalence in Postgraduate Students and Its Association With Gait Abnormality. IEEE Access, 2019, 7, 174425-174437.	4.2	29
39	A Gait Assessment Framework for Depression Detection Using Kinect Sensors. IEEE Sensors Journal, 2021, 21, 3260-3270.	4.7	28
40	Multimodal Mild Depression Recognition Based on EEG-EM Synchronization Acquisition Network. IEEE Access, 2019, 7, 28196-28210.	4.2	25
41	On-Chip Hardware Accelerator for Automated Diagnosis Through Human–Machine Interactions in Healthcare Delivery. IEEE Transactions on Automation Science and Engineering, 2019, 16, 206-217.	5.2	22
42	Fatigue Detection With Covariance Manifolds of Electroencephalography in Transportation Industry. IEEE Transactions on Industrial Informatics, 2021, 17, 3497-3507.	11.3	20
43	Attention-Based Multilevel Co-Occurrence Graph Convolutional LSTM for 3-D Action Recognition. IEEE Internet of Things Journal, 2021, 8, 15990-16001.	8.7	19
44	Alzheimer's Disease Classification With a Cascade Neural Network. Frontiers in Public Health, 2020, 8, 584387.	2.7	16
45	Undisturbed Mental State Assessment in the 5G Era: A Case Study of Depression Detection Based on Facial Expressions. IEEE Wireless Communications, 2021, 28, 46-53.	9.0	16
46	On Resource Allocation of Cooperative Multiple Access Strategy in Energy-Efficient Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 1069-1078.	11.3	15
47	A Service-Oriented Mobile Social Networking Platform for Disaster Situations. , 2013, , .		14
48	Energy Efficiency as an Orchestration Service for Mobile Internet of Things. , 2015, , .		14
49	MeDJ. , 2017, , .		14
50	A novel conversion prediction method of MCI to AD based on longitudinal dynamic morphological features using ADNI structural MRIs. Journal of Neurology, 2020, 267, 2983-2997.	3.6	14
51	A Multi-Modal Gait Analysis-Based Detection System of the Risk of Depression. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4859-4868.	6.3	14
52	Online Scheduling and Route Planning for Shared Buses in Urban Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3430-3444.	8.0	12
53	Profiling Energy Efficiency and Data Communications for Mobile Internet of Things. Wireless Communications and Mobile Computing, 2017, 2017, 1-15.	1.2	11
54	A collective filtering based content transmission scheme in edge of vehicles. Information Sciences, 2020, 506, 161-173.	6.9	10

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55	Vehicle Trajectory Prediction in Connected Environments via Heterogeneous Context-Aware Graph Convolutional Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8452-8464.	8.0	10
56	Federated Learning Driven Secure Internet of Medical Things. IEEE Wireless Communications, 2022, 29, 68-75.	9.0	10
57	Localized Fault Tolerant and Connectivity Restoration Algorithms in Mobile Wireless Ad Hoc Network. IEEE Access, 2018, 6, 36469-36478.	4.2	9
58	Multi-Resolution Parallel Magnetic Resonance Image Reconstruction in Mobile Computing-Based IoT. IEEE Access, 2019, 7, 15623-15633.	4.2	9
59	A New Skeletal Representation Based on Gait for Depression Detection. , 2021, , .		9
60	Traffic Node Importance Evaluation Based on Clustering in Represented Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16622-16631.	8.0	8
61	Towards Context-Aware Mobile Crowdsensing in Vehicular Social Networks. , 2015, , .		7
62	Postgraduate Student Depression Assessment by Multimedia Gait Analysis. IEEE MultiMedia, 2022, 29, 56-65.	1.7	7
63	Spatial-Temporal Attention Graph Convolution Network on Edge Cloud for Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 4565-4576.	8.0	7
64	Poster -- SAfeDJ community. , 2014, , .		6
65	SAR: A Social-Aware Route Recommendation System for Intelligent Transportation. Computer Journal, 2018, 61, 987-997.	2.4	6
66	An Adaptive Neurofeedback Method for Attention Regulation Based on the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 15829-15838.	8.7	6
67	Mobile crowdsourcing based context-aware smart alarm sound for smart living. Pervasive and Mobile Computing, 2019, 55, 32-44.	3.3	5
68	Modeling Human Activity With Seasonality Bursty Dynamics. IEEE Transactions on Industrial Informatics, 2020, 16, 1130-1139.	11.3	5
69	Data augmentation for depression detection using skeleton-based gait information. Medical and Biological Engineering and Computing, 2022, 60, 2665-2679.	2.8	5
70	A Survey on Mobile Sensing Based Mood-Fatigue Detection for Drivers. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 3-15.	0.3	4
71	CIS: Community-based information sharing mechanism for automotive IoT. , 2015, , .		3
72	Towards Mobility-as-a-Service to Promote Smart Transportation. , 2015, , .		3

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73	Mobile Cyber-Physical System. Mobile Information Systems, 2017, 2017, 1-2.	0.6	3
74	Crowdsourcing for Mobile Networks and IoT. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	3
75	Corrections to â€œA Cooperative Quality-Aware Service Access System for Social Internet of Vehiclesâ€. IEEE Internet of Things Journal, 2020, 7, 6663-6663.	8.7	3
76	Alzheimer's Disease Distinction Based On Gait Feature Analysis. , 2021, , .		3
77	Enhanced detection and restoration of low-rate denial-of-service in wireless multi-hop networks. , 2013, , .		2
78	A Behaviour Patterns Extraction Method for Recognizing Generalized Anxiety Disorder. , 2021, , .		2
79	Special Issue on â€œToward Intelligent Internet of Medical Things and its COVID-19 Applications and Beyondâ€. IEEE Internet of Things Journal, 2021, 8, 15649-15651.	8.7	2
80	Classification of Cognitive Impairment and Healthy Controls Based on Transcranial Magnetic Stimulation Evoked Potentials. Frontiers in Aging Neuroscience, 2021, 13, 804384.	3.4	2
81	Estimation of discriminative multimodal brain network connectivity using message-passing-based nonlinear network fusion. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	1
82	Explosive Cyber Security Threats During COVID-19 Pandemic and a Novel Tree-Based Broad Learning System to Overcome. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 786-795.	8.0	1