

Yuanfang Chen

List of Publications by Year in descending order

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75
papers

1,190
citations

471509

17
h-index

395702

33
g-index

76
all docs

76
docs citations

76
times ranked

1805
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational Inference for a Recommendation System in IoT Networks Based on Stein's Identity. Applied Sciences (Switzerland), 2022, 12, 1816.	2.5	1
2	Enhancing Security-Problem-Based Deep Learning in Mobile Edge Computing. ACM Transactions on Internet Technology, 2022, 22, 1-15.	4.4	1
3	Aiden: Association-Learning-Based Attack Identification on the Edge of V2X Communication Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 1377-1385.	5.5	0
4	Blockchain-Based Secure Computation Offloading in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4073-4087.	8.0	27
5	Fiden: Intelligent Fingerprint Learning for Attacker Identification in the Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 882-890.	11.3	9
6	An enhanced energy optimization routing protocol for WSNs. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 343.	2.5	3
7	SGedge: Stochastic Geometry-Based Model for Multi-Access Edge Computing in Wireless Sensor Networks. IEEE Access, 2021, 9, 111238-111248.	4.2	2
8	Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 137-147.	4.6	24
9	HSE-Voting: A secure high-efficiency electronic voting scheme based on homomorphic signcryption. Future Generation Computer Systems, 2020, 111, 754-762.	7.5	19
10	Variational Channel Estimation with Tempering: An Artificial Intelligence Algorithm for Wireless Intelligent Networks. Sensors, 2020, 20, 5939.	3.8	0
11	Deep Learning for Secure Mobile Edge Computing in Cyber-Physical Transportation Systems. IEEE Network, 2019, 33, 36-41.	6.9	64
12	A Novel Crowd-sourcing Inference Method. , 2019, , .		2
13	Multi-Task Scheduling Based on Classification in Mobile Edge Computing. Electronics (Switzerland), 2019, 8, 938.	3.1	2
14	Privacy-Preserved Approximate Classification Based on Homomorphic Encryption. Mathematical and Computational Applications, 2019, 24, 92.	1.3	3
15	Solving Security Problems in MEC Systems. , 2019, , .		3
16	A Game Theoretic Reward and Punishment Unwanted Traffic Control Mechanism. Mobile Networks and Applications, 2019, 24, 1279-1294.	3.3	3
17	A statistical method for detecting spatiotemporal co-occurrence patterns. International Journal of Geographical Information Science, 2019, 33, 967-990.	4.8	7
18	Editorial: Securing Internet of Things Through Big Data Analytics. Mobile Networks and Applications, 2019, 24, 1265-1268.	3.3	1

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19	Stochastic Computation Offloading and Scheduling Based on Mobile Edge Computing. IEEE Access, 2019, 7, 72247-72256.	4.2	13
20	Power allocation for multisource, multideestination cooperative vehicular networks under an outage probability constraint. Transactions on Emerging Telecommunications Technologies, 2019, , e3624.	3.9	1
21	A New Stability Condition for Uncertain Fuzzy Hopfield Neural Networks with Time-varying Delays. International Journal of Control, Automation and Systems, 2019, 17, 1322-1329.	2.7	14
22	Distributed Monitoring Architecture for Industrial Safety Based on Gear Fault Diagnosis. EAI/Springer Innovations in Communication and Computing, 2019, , 237-245.	1.1	0
23	When Traffic Flow Prediction and Wireless Big Data Analytics Meet. IEEE Network, 2019, 33, 161-167.	6.9	19
24	Outsourced revocable identity-based encryption from lattices. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3529.	3.9	8
25	Transportation and Charging Schedule for Autonomous Electric Vehicle Riding-Sharing System Considering Battery Degradation. Communications in Computer and Information Science, 2019, , 203-216.	0.5	1
26	Optimal Personalized DDoS Attacks Detection Strategy in Network Systems. Communications in Computer and Information Science, 2019, , 327-340.	0.5	0
27	A Novel On-Line Association Algorithm for Supporting Load Balancing in Multiple-AP Wireless LAN. Mobile Networks and Applications, 2018, 23, 395-406.	3.3	3
28	Neuro-Fuzzy Nonlinear Dynamic Modelling for Signal Integrity Simulation. Lecture Notes in Networks and Systems, 2018, , 75-94.	0.7	0
29	Real Time Modelling and Processing. Lecture Notes in Networks and Systems, 2018, , 1-13.	0.7	1
30	Editorial: Current and Future Trends in Wireless Communications Protocols and Technologies. Mobile Networks and Applications, 2018, 23, 377-381.	3.3	4
31	A Traffic Aware Segment-based Routing protocol for VANETs in urban scenarios. Computers and Electrical Engineering, 2018, 68, 447-462.	4.8	29
32	Efficient Spatial Keyword Query Processing in the Internet of Industrial Vehicles. Mobile Networks and Applications, 2018, 23, 864-878.	3.3	4
33	Key-aggregate authentication cryptosystem for data sharing in dynamic cloud storage. Future Generation Computer Systems, 2018, 84, 190-199.	7.5	40
34	An Efficient Distributed Approach on High Dimensional Data Similarity Searchable Encryption. , 2018, , .		0
35	Orchestration of Microservices for IoT Using Docker and Edge Computing. IEEE Communications Magazine, 2018, 56, 118-123.	6.1	172
36	Jamming and Eavesdropping Defense in Green Cyber-Physical Transportation Systems Using a Stackelberg Game. IEEE Transactions on Industrial Informatics, 2018, 14, 4232-4242.	11.3	56

#	ARTICLE	IF	CITATIONS
37	CSSMT: Compiler Based Software Simultaneous Multithreading (SMT). , 2018, , .		0
38	Big Data Privacy Preserving in Multi-Access Edge Computing for Heterogeneous Internet of Things. IEEE Communications Magazine, 2018, 56, 62-67.	6.1	212
39	Using Wireless Vibration Sensors to Study the Impact of Fouling on Fluid-Conveying Pipelines. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 288-292.	0.3	0
40	Spatial Keyword Query Processing in the Internet of Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 1-13.	0.3	1
41	When Mobile Crowd Sensing Meets Traditional Industry. IEEE Access, 2017, 5, 15300-15307.	4.2	49
42	Understanding the impact of planarized proximity graphs on toxic gas boundary area detection. , 2017, , .		4
43	eRouting: An Eco-Friendly Navigation Algorithm for Traffic Information Industry. IEEE Transactions on Industrial Informatics, 2017, 13, 562-571.	11.3	6
44	A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080.	4.2	39
45	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. Information Sciences, 2017, 379, 82-93.	6.9	30
46	Poster abstract: Traffic flow prediction with big data: A deep learning based time series model. , 2017, , .		29
47	Poster: DeepTFP. , 2017, , .		2
48	Key-Aggregate Authentication Cryptosystem for Data Sharing in Dynamic Cloud Storage. , 2017, , .		6
49	Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. Sensors, 2016, 16, 215.	3.8	49
50	Cloud-based Data-intensive Framework towards fault diagnosis in large-scale petrochemical plants. , 2016, , .		9
51	Understanding the impact of network structure on propagation dynamics based on mobile big data. , 2016, , .		4
52	Impact of Fouling on Flow-Induced Vibration Characteristics in Fluid-Conveying Pipelines. IEEE Access, 2016, 4, 6631-6644.	4.2	4
53	High precision intelligent flexible grasping front-end with CMOS interface for robots application. Science China Information Sciences, 2016, 59, 1.	4.3	2
54	Prediction of Disease Dynamics with Structure Knowledge of Human Contact Networks. , 2015, , .		0

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55	ZIL: An Energy-Efficient Indoor Localization System Using ZigBee Radio to Detect WiFi Fingerprints. IEEE Journal on Selected Areas in Communications, 2015, 33, 1431-1442.	14.0	89
56	A Thread Merging Transformation to Improve Throughput of Multiple Programs. , 2015, , .		0
57	Bivariate analysis of typical hydrological series of the yellow river. International Journal of Computational Intelligence Systems, 2014, 7, 18-28.	2.7	1
58	A flexible capacitive tactile sensor array with micro structure for robotic application. Science China Information Sciences, 2014, 57, 1-6.	4.3	17
59	A risk assessment method based on RBF artificial neural network - cloud model for urban water hazard. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2409-2416.	1.4	32
60	Locating in Crowdsourcing-Based DataSpace: Wireless Indoor Localization without Special Devices. Mobile Networks and Applications, 2014, 19, 534-542.	3.3	14
61	Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 142-154.	0.3	1
62	A backoff differentiation scheme for contention resolution in wireless convergeâ€œcast networks. Concurrency Computation Practice and Experience, 2013, 25, 112-128.	2.2	1
63	Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. , 2013, , .		0
64	WX-MAC: An Energy Efficient MAC Protocol for Wireless Sensor Networks. , 2013, , .		5
65	Image encryption using block based transformation with fractional Fourier transform. , 2013, , .		13
66	A cooperation scheme based on reputation for opportunistic networks. , 2013, , .		11
67	A Tight Coupling Cooperation Scheme with QoS Provisioning in WiFi/WiMAX Networks. International Journal of Computers, Communications and Control, 2013, 8, 460.	1.8	3
68	Locating malicious nodes for data aggregation in wireless networks. , 2012, , .		3
69	Static micro-scheduling: Resource contention relief in multithreaded programs. , 2012, , .		0
70	A proportional fairness backoff scheme for funnelling effect in wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2012, 23, 585-597.	3.9	7
71	ANALYSIS OF THE IMPACTS OF THE DATA LENGTH ON THE UNCERTAINTY OF THE ARCHIMEDEAN COPULA MODELING. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 839-844.	0.1	0
72	The Insights of DV-Based Localization Algorithms in the Wireless Sensor Networks with Duty-Cycled and Radio Irregular Sensors. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
73	The scheme of mitigating the asymmetric links problem in wireless sensor networks. , 2010, , .		0
74	A backoff copying scheme for contention resolution in wireless sensor networks. , 2009, , .		2
75	Visualizing simulation and testbed of wireless sensor networks with NetTopo. , 2009, , .		0