

# Xianghua Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

906  
citations

933447

10  
h-index

642732

23  
g-index

52  
all docs

52  
docs citations

52  
times ranked

814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized Recommendation System Based on Collaborative Filtering for IoT Scenarios. IEEE Transactions on Services Computing, 2020, 13, 685-695.	4.6	346
2	Workload characterization on a production Hadoop cluster: A case study on Taobao. , 2012, , .		81
3	A Fingerprint Recognition Scheme Based on Assembling Invariant Moments for Cloud Computing Communications. IEEE Systems Journal, 2011, 5, 574-583.	4.6	63
4	RAS-M: Resource Allocation Strategy Based on Market Mechanism in Cloud Computing. , 2009, , .		43
5	Target Coverage in Wireless Sensor Networks with Probabilistic Sensors. Sensors, 2016, 16, 1372.	3.8	36
6	Smart data driven traffic sign detection method based on adaptive color threshold and shape symmetry. Future Generation Computer Systems, 2019, 94, 381-391.	7.5	30
7	Trust Index Based Fault Tolerant Multiple Event Localization Algorithm for WSNs. Sensors, 2011, 11, 6555-6574.	3.8	28
8	A Study on Wireless Charging for Prolonging the Lifetime of Wireless Sensor Networks. Sensors, 2017, 17, 1560.	3.8	22
9	Online Robust Low-Rank Tensor Modeling for Streaming Data Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1061-1075.	11.3	22
10	Quantifying Performance Properties of Virtual Machine. , 2008, , .		21
11	PMSW: a passive monitoring system in wireless sensor networks. International Journal of Network Management, 2011, 21, 300-325.	2.2	21
12	An Enhanced Routing Protocol for ZigBee/IEEE 802.15.4 Wireless Networks. , 2008, , .		17
13	CoCo+: Exploiting correlated core for energy efficient dissemination in wireless sensor networks. Ad Hoc Networks, 2016, 37, 404-417.	5.5	16
14	Video summarization with a graph convolutional attention network. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 902-913.	2.6	10
15	Performance Evaluation of the CPU Scheduler in XEN. , 2008, , .		9
16	A Max-Flow Based Algorithm for Connected Target Coverage with Probabilistic Sensors. Sensors, 2017, 17, 1208.	3.8	9
17	Power aware job scheduling with QoS guarantees based on feedback control. , 2010, , .		8
18	Exploiting link correlation for core-based dissemination in wireless sensor networks. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
19	The model of performance change of GaInP/GaAs/Ge triple-junction solar cells in pico-satellite. Solar Energy, 2018, 169, 105-110.	6.1	8
20	A Scalable Multi-Data Sources Based Recursive Approximation Approach for Fast Error Recovery in Big Sensing Data on Cloud. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 841-854.	5.7	8
21	Minimum Cost Deployment of Bistatic Radar Sensor for Perimeter Barrier Coverage. Sensors, 2019, 19, 225.	3.8	7
22	Online Robust Low-Rank Tensor Learning. , 2017, , .		7
23	An Accurate Link Correlation Estimator for Improving Wireless Protocol Performance. Sensors, 2015, 15, 4273-4290.	3.8	6
24	Connected Target $\mu$ -probability Coverage in WSNs With Directional Probabilistic Sensors. IEEE Systems Journal, 2020, 14, 3399-3409.	4.6	6
25	Distributed fault diagnosis of wireless sensor networks. , 2008, , .		5
26	Analysis and Evaluation of the Scheduling Algorithms in Virtual Environment. , 2009, , .		5
27	WaxElephant: A Realistic Hadoop Simulator for Parameters Tuning and Scalability Analysis. , 2012, , .		5
28	Optimizing Charging Efficiency and Maintaining Sensor Network Perpetually in Mobile Directional Charging. Sensors, 2019, 19, 2657.	3.8	5
29	Abnormal visual event detection based on multi-instance learning and autoregressive integrated moving average model in edge-based Smart City surveillance. Software - Practice and Experience, 2020, 50, 476-488.	3.6	5
30	Research on robot charging strategy based on the scheduling algorithm of minimum encounter time. Journal of the Operational Research Society, 2021, 72, 237-245.	3.4	5
31	Energy Management for Microprocessor Systems: Challenges and Existing Solutions. , 2008, , .		4
32	A Novel Fault Detection and Recovery Mechanism for Zigbee Sensor Networks. , 2008, , .		4
33	Recurrent Compressed Convolutional Networks for Short Video Event Detection. IEEE Access, 2020, 8, 114162-114171.	4.2	4
34	A Gradient Reconfiguration Mechanism of Directed Diffusion in Wireless Sensor Networks. , 2008, , .		3
35	Grey Prediction Control of Adaptive Resources Allocation in Virtualized Computing System. , 2009, , .		3
36	A Utility-Based Adaptive Resource Allocation Policy in Virtualized Environment. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
37	Design of Wireless Sensor Network Management System Based on ZigBee Technology. , 2010, , .		3
38	Reprogramming over Low Power Link Layer in Wireless Sensor Networks. , 2013, , .		3
39	Approximate Optimal Deployment of Barrier Coverage on Heterogeneous Bistatic Radar Sensors. Sensors, 2019, 19, 2403.	3.8	3
40	Minimum Nodes Deployment for Mixed Energy Replenishment in Rechargeable WSNs. IEEE Sensors Journal, 2021, 21, 16282-16290.	4.7	3
41	System for temperature monitor in substation with ZigBee connectivity. , 2008, , .		2
42	Improve the Completeness of Passive Monitoring Trace in Wireless Sensor Network. , 2010, , .		2
43	A Real-Time Scheduling Mechanism of Resource for Multiple Virtual Machine System. , 2010, , .		2
44	An Optimized Degree Strategy for Persistent Sensor Network Data Distribution. , 2012, , .		2
45	Optimal placement of barrier coverage in heterogeneous bistatic radar sensor networks. World Wide Web, 2020, 23, 1361-1380.	4.0	2
46	Regulative Growth Codes: Enhancing Data Persistence in Sparse Sensor Networks. , 2010, , .		1
47	Grid computing based large scale Distributed Cooperative Virtual Environment Simulation. , 2008, , .		0
48	Notice of Violation of IEEE Publication Principles: Research on Synchronous Low Power Listening for Collection Tree Protocol in WSN. , 2010, , .		0
49	MSNAP: Fault Tolerant Event Localization in Wireless Sensor Networks. , 2010, , .		0
50	A Triggered Dynamic Mechanism for BitTorrent-Like P2P Bandwidth Management. , 2010, , .		0
51	A Comparative Investigation on Different P2P Search Systems in Dynamic Environments. , 2011, , .		0
52	Network Coding Data Collecting Mechanism Based on Prioritized Degree Distribution in Wireless Sensor Network. , 2011, , .		0