

# 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	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
2	Video summarization with a graph convolutional attention network. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 902-913.	2.6	10
3	Minimum Nodes Deployment for Mixed Energy Replenishment in Rechargeable WSNs. IEEE Sensors Journal, 2021, 21, 16282-16290.	4.7	3
4	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
5	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
6	Optimal placement of barrier coverage in heterogeneous bistatic radar sensor networks. World Wide Web, 2020, 23, 1361-1380.	4.0	2
7	Connected Target $\mu$ -probability Coverage in WSNs With Directional Probabilistic Sensors. IEEE Systems Journal, 2020, 14, 3399-3409.	4.6	6
8	Personalized Recommendation System Based on Collaborative Filtering for IoT Scenarios. IEEE Transactions on Services Computing, 2020, 13, 685-695.	4.6	346
9	Recurrent Compressed Convolutional Networks for Short Video Event Detection. IEEE Access, 2020, 8, 114162-114171.	4.2	4
10	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
11	Optimizing Charging Efficiency and Maintaining Sensor Network Perpetually in Mobile Directional Charging. Sensors, 2019, 19, 2657.	3.8	5
12	Approximate Optimal Deployment of Barrier Coverage on Heterogeneous Bistatic Radar Sensors. Sensors, 2019, 19, 2403.	3.8	3
13	Minimum Cost Deployment of Bistatic Radar Sensor for Perimeter Barrier Coverage. Sensors, 2019, 19, 225.	3.8	7
14	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
15	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
16	A Max-Flow Based Algorithm for Connected Target Coverage with Probabilistic Sensors. Sensors, 2017, 17, 1208.	3.8	9
17	A Study on Wireless Charging for Prolonging the Lifetime of Wireless Sensor Networks. Sensors, 2017, 17, 1560.	3.8	22
18	Online Robust Low-Rank Tensor Learning. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Target Coverage in Wireless Sensor Networks with Probabilistic Sensors. <i>Sensors</i> , 2016, 16, 1372.	3.8	36
20	CoCo+: Exploiting correlated core for energy efficient dissemination in wireless sensor networks. <i>Ad Hoc Networks</i> , 2016, 37, 404-417.	5.5	16
21	An Accurate Link Correlation Estimator for Improving Wireless Protocol Performance. <i>Sensors</i> , 2015, 15, 4273-4290.	3.8	6
22	Exploiting link correlation for core-based dissemination in wireless sensor networks. , 2014, , .		8
23	Reprogramming over Low Power Link Layer in Wireless Sensor Networks. , 2013, , .		3
24	An Optimized Degree Strategy for Persistent Sensor Network Data Distribution. , 2012, , .		2
25	Workload characterization on a production Hadoop cluster: A case study on Taobao. , 2012, , .		81
26	WaxElephant: A Realistic Hadoop Simulator for Parameters Tuning and Scalability Analysis. , 2012, , .		5
27	A Comparative Investigation on Different P2P Search Systems in Dynamic Environments. , 2011, , .		0
28	Network Coding Data Collecting Mechanism Based on Prioritized Degree Distribution in Wireless Sensor Network. , 2011, , .		0
29	A Fingerprint Recognition Scheme Based on Assembling Invariant Moments for Cloud Computing Communications. <i>IEEE Systems Journal</i> , 2011, 5, 574-583.	4.6	63
30	PMSW: a passive monitoring system in wireless sensor networks. <i>International Journal of Network Management</i> , 2011, 21, 300-325.	2.2	21
31	Trust Index Based Fault Tolerant Multiple Event Localization Algorithm for WSNs. <i>Sensors</i> , 2011, 11, 6555-6574.	3.8	28
32	Power aware job scheduling with QoS guarantees based on feedback control. , 2010, , .		8
33	Notice of Violation of IEEE Publication Principles: Research on Synchronous Low Power Listening for Collection Tree Protocol in WSN. , 2010, , .		0
34	Regulative Growth Codes: Enhancing Data Persistence in Sparse Sensor Networks. , 2010, , .		1
35	Improve the Completeness of Passive Monitoring Trace in Wireless Sensor Network. , 2010, , .		2
36	MSNAP: Fault Tolerant Event Localization in Wireless Sensor Networks. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
37	A Real-Time Scheduling Mechanism of Resource for Multiple Virtual Machine System. , 2010, , .		2
38	A Triggered Dynamic Mechanism for BitTorrent-Like P2P Bandwidth Management. , 2010, , .		0
39	Design of Wireless Sensor Network Management System Based on ZigBee Technology. , 2010, , .		3
40	RAS-M: Resource Allocation Strategy Based on Market Mechanism in Cloud Computing. , 2009, , .		43
41	Grey Prediction Control of Adaptive Resources Allocation in Virtualized Computing System. , 2009, , .		3
42	A Utility-Based Adaptive Resource Allocation Policy in Virtualized Environment. , 2009, , .		3
43	Analysis and Evaluation of the Scheduling Algorithms in Virtual Environment. , 2009, , .		5
44	Quantifying Performance Properties of Virtual Machine. , 2008, , .		21
45	Performance Evaluation of the CPU Scheduler in XEN. , 2008, , .		9
46	A Gradient Reconfiguration Mechanism of Directed Diffusion in Wireless Sensor Networks. , 2008, , .		3
47	Distributed fault diagnosis of wireless sensor networks. , 2008, , .		5
48	System for temperature monitor in substation with ZigBee connectivity. , 2008, , .		2
49	An Enhanced Routing Protocol for ZigBee/IEEE 802.15.4 Wireless Networks. , 2008, , .		17
50	Energy Management for Microprocessor Systems: Challenges and Existing Solutions. , 2008, , .		4
51	Grid computing based large scale Distributed Cooperative Virtual Environment Simulation. , 2008, , .		0
52	A Novel Fault Detection and Recovery Mechanism for Zigbee Sensor Networks. , 2008, , .		4