

Xu Li

List of Publications by Year in descending order

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53
papers

3,670
citations

257101

24
h-index

315357

38
g-index

56
all docs

56
docs citations

56
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	EPPA: An Efficient and Privacy-Preserving Aggregation Scheme for Secure Smart Grid Communications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1621-1631.	4.0	605
2	Smart community: an internet of things application. , 2011, 49, 68-75.		480
3	Securing smart grid: cyber attacks, countermeasures, and challenges. , 2012, 50, 38-45.		311
4	AI-Assisted Network-Slicing Based Next-Generation Wireless Networks. IEEE Open Journal of Vehicular Technology, 2020, 1, 45-66.	3.4	200
5	GRS: The green, reliability, and security of emerging machine to machine communications. , 2011, 49, 28-35.		180
6	UDP: Usage-Based Dynamic Pricing With Privacy Preservation for Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 141-150.	6.2	159
7	End-to-End Quality of Service in 5G Networks: Examining the Effectiveness of a Network Slicing Framework. IEEE Vehicular Technology Magazine, 2018, 13, 65-74.	2.8	117
8	Dynamic Radio Resource Slicing for a Two-Tier Heterogeneous Wireless Network. IEEE Transactions on Vehicular Technology, 2018, 67, 9896-9910.	3.9	117
9	End-to-End Delay Modeling for Embedded VNF Chains in 5G Core Networks. IEEE Internet of Things Journal, 2019, 6, 692-704.	5.5	98
10	Dynamic RAN Slicing for Service-Oriented Vehicular Networks via Constrained Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2076-2089.	9.7	93
11	Strictly Localized Sensor Self-Deployment for Optimal Focused Coverage. IEEE Transactions on Mobile Computing, 2011, 10, 1520-1533.	3.9	91
12	Security and privacy of collaborative spectrum sensing in cognitive radio networks. IEEE Wireless Communications, 2012, 19, 106-112.	6.6	88
13	Dynamic Flow Migration for Embedded Services in SDN/NFV-Enabled 5G Core Networks. IEEE Transactions on Communications, 2020, 68, 2394-2408.	4.9	65
14	Servicing wireless sensor networks by mobile robots. , 2012, 50, 147-154.		64
15	Min Flow Rate Maximization for Software Defined Radio Access Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1282-1294.	9.7	60
16	Localized Distance-Sensitive Service Discovery in Wireless Sensor and Actor Networks. IEEE Transactions on Computers, 2009, 58, 1275-1288.	2.4	56
17	EMD: Energy-Efficient P2P Message Dissemination in Delay-Tolerant Wireless Sensor and Actor Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 75-84.	9.7	52
18	Dynamic Beacon Mobility Scheduling for Sensor Localization. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1439-1452.	4.0	50

#	ARTICLE	IF	CITATIONS
19	ORACLE: Mobility control in wireless sensor and actor networks. Computer Communications, 2012, 35, 1029-1037.	3.1	47
20	Morality-Driven Data Forwarding With Privacy Preservation in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3209-3222.	3.9	45
21	A Virtual Network Customization Framework for Multicast Services in NFV-Enabled Core Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1025-1039.	9.7	44
22	The one-commodity traveling salesman problem with selective pickup and delivery: An ant colony approach. , 2010, , .		38
23	Back-Tracking Based Sensor Deployment by a Robot Team. , 2010, , .		37
24	Mobility Prediction Based Neighborhood Discovery in Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2011, , 241-253.	1.0	32
25	Randomized Robot-Assisted Relocation of Sensors for Coverage Repair in Wireless Sensor Networks. , 2010, , .		31
26	Dynamic Resource Scaling for VNF Over Nonstationary Traffic: A Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 648-662.	4.9	31
27	Mesh-Based Sensor Relocation for Coverage Maintenance in Mobile Sensor Networks. Lecture Notes in Computer Science, 2007, , 696-708.	1.0	31
28	Randomized carrier-based sensor relocation in wireless sensor and robot networks. Ad Hoc Networks, 2013, 11, 1951-1962.	3.4	29
29	Carrier-Based Focused Coverage Formation in Wireless Sensor and Robot Networks. IEEE Transactions on Automatic Control, 2011, 56, 2406-2417.	3.6	28
30	Localized sensor self-deployment with coverage guarantee. Mobile Computing and Communications Review, 2008, 12, 50-52.	1.7	27
31	Online Joint VNF Chain Composition and Embedding for 5G Networks. , 2018, , .		27
32	Traffic Engineering for Service-Oriented 5G Networks with SDN-NFV Integration. IEEE Network, 2020, 34, 234-241.	4.9	26
33	ZONER: A ZONE-based Sensor Relocation Protocol for Mobile Sensor Networks. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	24
34	Toward Reliable Actor Services in Wireless Sensor and Actor Networks. , 2011, , .		24
35	A Hierarchical Soft RAN Slicing Framework for Differentiated Service Provisioning. IEEE Wireless Communications, 2020, 27, 90-97.	6.6	24
36	Placing Sensors for Area Coverage in a Complex Environment by a Team of Robots. ACM Transactions on Sensor Networks, 2014, 11, 1-22.	2.3	22

#	ARTICLE	IF	CITATIONS
37	MAC for Machine-Type Communications in Industrial IoT—Part I: Protocol Design and Analysis. IEEE Internet of Things Journal, 2021, 8, 9945-9957.	5.5	22
38	Engineering Machine-to-Machine Traffic in 5G. IEEE Internet of Things Journal, 2016, 3, 609-618.	5.5	18
39	Mobile-Beacon Assisted Sensor Localization with Dynamic Beacon Mobility Scheduling. , 2011, , .		14
40	SDATP: An SDN-Based Traffic-Adaptive and Service-Oriented Transmission Protocol. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 756-770.	4.9	14
41	MAC for Machine-Type Communications in Industrial IoT—Part II: Scheduling and Numerical Results. IEEE Internet of Things Journal, 2021, 8, 9958-9969.	5.5	13
42	Localized delay-bounded and energy-efficient data aggregation in wireless sensor and actor networks. Wireless Communications and Mobile Computing, 2011, 11, 1603-1617.	0.8	12
43	Challenges and New Directions in Securing Spectrum Access Systems. IEEE Internet of Things Journal, 2021, 8, 6498-6518.	5.5	11
44	Two-Level Soft RAN Slicing for Customized Services in 5G-and-Beyond Wireless Communications. IEEE Transactions on Industrial Informatics, 2022, 18, 4169-4179.	7.2	10
45	Localized load-aware geographic routing in wireless ad hoc networks. , 2012, , .		9
46	Transmission Protocol Customization for Network Slicing: A Case Study of Video Streaming. IEEE Vehicular Technology Magazine, 2019, 14, 20-28.	2.8	8
47	Learning-Based Proactive Resource Allocation for Delay-Sensitive Packet Transmission. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 675-688.	4.9	8
48	Radio access network coordination framework toward 5G mobile wireless networks. , 2015, , .		6
49	A novel family of geometric planar graphs for wireless ad hoc networks. , 2011, , .		5
50	Dynamic radio coordination for improved quality of experience in software-defined wireless networks. IEEE Wireless Communications, 2015, 22, 18-24.	6.6	3
51	Hypocomb: Bounded-Degree Localized Geometric Planar Graphs for Wireless Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1341-1354.	4.0	2
52	Carrying MTC Service in 5G - A Network Management Perspective. , 2016, , .		2
53	Localized Delay-bounded and Energy-efficient Data Aggregation in low-traffic request-driven wireless sensor and actor networks. , 2011, , .		1