

# Xiao Lu

## List of Publications by Year in descending order

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40  
papers

4,617  
citations

471509

17  
h-index

677142

22  
g-index

40  
all docs

40  
docs citations

40  
times ranked

4325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Networks With RF Energy Harvesting: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 757-789.	39.4	2,022
2	Wireless Charging Technologies: Fundamentals, Standards, and Network Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 1413-1452.	39.4	745
3	Ambient Backscatter Communications: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2889-2922.	39.4	523
4	Dynamic spectrum access in cognitive radio networks with RF energy harvesting. IEEE Wireless Communications, 2014, 21, 102-110.	9.0	171
5	Wireless charger networking for mobile devices: fundamentals, standards, and applications. IEEE Wireless Communications, 2015, 22, 126-135.	9.0	171
6	Ambient Backscatter Assisted Wireless Powered Communications. IEEE Wireless Communications, 2018, 25, 170-177.	9.0	153
7	Wireless-Powered Device-to-Device Communications With Ambient Backscattering: Performance Modeling and Analysis. IEEE Transactions on Wireless Communications, 2018, 17, 1528-1544.	9.2	102
8	Economics of Internet of Things: an information market approach. IEEE Wireless Communications, 2016, 23, 136-145.	9.0	87
9	Radio Resource Management in Joint Radar and Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 780-814.	39.4	82
10	Resource allocation in wireless networks with RF energy harvesting and transfer. IEEE Network, 2015, 29, 68-75.	6.9	81
11	Adaptive power management for wireless base stations in a smart grid environment. IEEE Wireless Communications, 2012, 19, 44-51.	9.0	73
12	Performance Analysis of Ambient RF Energy Harvesting with Repulsive Point Process Modeling. IEEE Transactions on Wireless Communications, 2015, 14, 5402-5416.	9.2	65
13	Self-Sustainable Communications With RF Energy Harvesting: Ginibre Point Process Modeling and Analysis. IEEE Journal on Selected Areas in Communications, 2016, 34, 1518-1535.	14.0	55
14	Performance analysis of ambient RF energy harvesting: A stochastic geometry approach. , 2014, , .		45
15	Applications of Repeated Games in Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 2102-2135.	39.4	45
16	Stochastic Geometry Analysis of Spatial-Temporal Performance in Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 2753-2801.	39.4	31
17	Managing Physical Layer Security in Wireless Cellular Networks: A Cyber Insurance Approach. IEEE Journal on Selected Areas in Communications, 2018, 36, 1648-1661.	14.0	24
18	Performance Analysis of Wireless-Powered Relaying with Ambient Backscattering. , 2018, , .		24

#	ARTICLE	IF	CITATIONS
19	A Layered Coalitional Game Framework of Wireless Relay Network. IEEE Transactions on Vehicular Technology, 2014, 63, 472-478.	6.3	22
20	Optimal Non-Coherent Detector for Ambient Backscatter Communication System. IEEE Transactions on Vehicular Technology, 2020, 69, 16197-16201.	6.3	13
21	Secure Wirelessly Powered Networks at the Physical Layer: Challenges, Countermeasures, and Road Ahead. Proceedings of the IEEE, 2022, 110, 193-209.	21.3	11
22	Distributed wireless energy scheduling for wireless powered sensor networks. , 2016, , .		10
23	Performance analysis of simultaneous wireless information and power transfer with ambient RF energy harvesting. , 2015, , .		9
24	A Bandit Approach for Mode Selection in Ambient Backscatter-Assisted Wireless-Powered Relaying. IEEE Transactions on Vehicular Technology, 2020, 69, 9190-9195.	6.3	9
25	Short-Packet Backscatter Assisted Wireless-Powered Relaying With NOMA: Mode Selection With Performance Estimation. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 216-231.	7.9	9
26	Analysis of Wireless-Powered Device-to-Device Communications with Ambient Backscattering. , 2017, , .		7
27	Data Analytics for Fog Computing by Distributed Online Learning with Asynchronous Update. , 2019, , .		5
28	Dynamic Model for Network Selection in Next Generation HetNets With Memory-Affecting Rational Users. IEEE Transactions on Mobile Computing, 2021, 20, 1365-1379.	5.8	5
29	Hierarchical cooperation for operator-controlled device-to-device communications: A layered coalitional game approach. , 2015, , .		3
30	Basics of Wireless Energy Harvesting and Transfer. , 2016, , 3-43.		3
31	A Cyber Insurance Approach to Manage Physical Layer Secrecy for Massive MIMO Cellular Networks. , 2018, , .		3
32	A Sender-Side TCP Enhancement for Startup Performance in High-Speed Long-Delay Networks. , 2010, , .		2
33	Payoff Allocation of Service Coalition in Wireless Mesh Network: A Cooperative Game Perspective. , 2011, , .		2
34	Optimizing content relay policy in publish-subscribe mobile social networks. , 2015, , .		2
35	Power management for base stations in a smart grid environment. , 0, , 209-235.		1
36	Sensor Networks with Wireless Energy Harvesting. , 0, , 291-337.		1

#	ARTICLE	IF	CITATIONS
37	Wireless Charging Technologies: Fundamentals, Standards, and Network Applications. , 0, .		1
38	Memory-affecting Network Selection in Next Generation HetNets. , 2020, , .		0
39	Decentralized Online Learning With Compressed Communication for Near-Sensor Data Analytics. IEEE Communications Letters, 2021, 25, 2958-2962.	4.1	0
40	A Novel ASAPPP Approach to Characterize the SIR Distribution in General Cellular Networks. IEEE Wireless Communications Letters, 2022, 11, 1443-1447.	5.0	0