Chunxiao Jiang

List of Publications by Citations

362 papers	**8,329** citations
45 h-index	**80** g-index
418 ext. papers	**10,451** ext. citations
6.5 avg, IF	**6.92** L-index

#	Paper	IF	Citations
362	Machine Learning Paradigms for Next-Generation Wireless Networks. *IEEE Wireless Communications*, **2017**, 24, 98-105	13.4	580
361	Information Security in Big Data: Privacy and Data Mining. *IEEE Access*, **2014**, 2, 1149-1176	3.5	313
360	Energy Efficient User Association and Power Allocation in Millimeter-Wave-Based Ultra Dense Networks With Energy Harvesting Base Stations. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1936-1947	14.2	275
359	. *IEEE Transactions on Communications*, **2014**, 62, 2366-2377	6.9	272
358	Resource Allocation for Cognitive Small Cell Networks: A Cooperative Bargaining Game Theoretic Approach. *IEEE Transactions on Wireless Communications*, **2015**, 14, 3481-3493	9.6	265
357	Taking Drones to the Next Level: Cooperative Distributed Unmanned-Aerial-Vehicular Networks for Small and Mini Drones. *IEEE Vehicular Technology Magazine*, **2017**, 12, 73-82	9.9	248
356	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1472-1514	37.1	241
355	Interference-Limited Resource Optimization in Cognitive Femtocells With Fairness and Imperfect Spectrum Sensing. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 1761-1771	6.8	194
354	Cooperative interference mitigation and handover management for heterogeneous cloud small cell networks. *IEEE Wireless Communications*, **2015**, 22, 92-99	13.4	137
353	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. *IEEE Internet of Things Journal*, **2019**, 6, 1741-1753	10.7	137
352	. *IEEE Transactions on Wireless Communications*, **2013**, 12, 2470-2483	9.6	134
351	. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 406-416	14.2	131
350	Resource Trading in Blockchain-Based Industrial Internet of Things. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3602-3609	11.9	130
349	Non-Orthogonal Multiple Access Based Integrated Terrestrial-Satellite Networks. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2253-2267	14.2	119
348	Evolutionary Dynamics of Information Diffusion Over Social Networks. *IEEE Transactions on Signal Processing*, **2014**, 62, 4573-4586	4.8	107
347	Internet of Vehicles: Sensing-Aided Transportation Information Collection and Diffusion. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 3813-3825	6.8	102
346	Vehicular Sensing Networks in a Smart City: Principles, Technologies and Applications. *IEEE Wireless Communications*, **2018**, 25, 122-132	13.4	98

345	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. *IEEE Internet of Things Journal*, **2020**, 7, 6898-6908	10.7	96
344	Blockchain-Based Software-Defined Industrial Internet of Things: A Dueling Deep ${Q}$ -Learning Approach. *IEEE Internet of Things Journal*, **2019**, 6, 4627-4639	10.7	92
343	Resource Allocation for Multi-UAV Aided IoT NOMA Uplink Transmission Systems. *IEEE Internet of Things Journal*, **2019**, 6, 7025-7037	10.7	90
342	. *IEEE Journal on Selected Topics in Signal Processing*, **2014**, 8, 524-536	7.5	89
341	Contract Design for Traffic Offloading and Resource Allocation in Heterogeneous Ultra-Dense Networks. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2457-2467	14.2	87
340	. *IEEE Internet of Things Journal*, **2014**, 1, 81-98	10.7	83
339	Auction Design and Analysis for SDN-Based Traffic Offloading in Hybrid Satellite-Terrestrial Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 2202-2217	14.2	77
338	Energy Efficient Dynamic Resource Optimization in NOMA System. *IEEE Transactions on Wireless Communications*, **2018**, 17, 5671-5683	9.6	76
337	. *IEEE Vehicular Technology Magazine*, **2020**, 15, 122-134	9.9	76
336	Energy-efficient non-cooperative cognitive radio networks: micro, meso, and macro views **2014**, 52, 14-20		71
335	A Near-Optimal UAV-Aided Radio Coverage Strategy for Dense Urban Areas. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9098-9109	6.8	65
334	Security in space information networks **2015**, 53, 82-88		61
333	. *IEEE Transactions on Aerospace and Electronic Systems*, **2017**, 53, 598-618	3.7	59
332	Distributed Q-Learning Aided Heterogeneous Network Association for Energy-Efficient IIoT. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2756-2764	11.9	59
331	Contract Mechanism and Performance Analysis for Data Transaction in Mobile Social Networks. *IEEE Transactions on Network Science and Engineering*, **2019**, 6, 103-115	4.9	59
330	Reinforcement Learning Based Capacity Management in Multi-Layer Satellite Networks. *IEEE Transactions on Wireless Communications*, **2020**, 19, 4685-4699	9.6	56
329	. *IEEE Wireless Communications*, **2016**, 23, 136-144	13.4	56
328	Cooperative Multigroup Multicast Transmission in Integrated Terrestrial-Satellite Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 981-992	14.2	54

327	Capsule Network Assisted IoT Traffic Classification Mechanism for Smart Cities. *IEEE Internet of Things Journal*, **2019**, 6, 7515-7525	10.7	53
326	. *IEEE Journal on Selected Topics in Signal Processing*, **2015**, 9, 1256-1269	7.5	53
325	Radio Resource Management in Future Terrestrial-Satellite Communication Networks. *IEEE Wireless Communications*, **2017**, 24, 81-87	13.4	52
324	Secure Satellite-Terrestrial Transmission Over Incumbent Terrestrial Networks via Cooperative Beamforming. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 1367-1382	14.2	51
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316	A Contract Game for Direct Energy Trading in Smart Grid. *IEEE Transactions on Smart Grid*, **2018**, 9, 2873-2884	11.7	45
315	Signalling Cost Evaluation of Handover Management Schemes in LTE-Advanced Femtocell **2011**,		45
314	Cooperative Transmission in Integrated Terrestrial-Satellite Networks. *IEEE Network*, **2019**, 33, 204-210	11.4	45
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312	Network Association Strategies for an Energy Harvesting Aided Super-WiFi Network Relying on Measured Solar Activity. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 3785-3797	14.2	43
311	. *IEEE Transactions on Wireless Communications*, **2014**, 13, 1960-1973	9.6	43
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309	Energy Efficient D2D Communications: A Perspective of Mechanism Design. *IEEE Transactions on Wireless Communications*, **2016**, 15, 7272-7285	9.6	41
308	Dynamic Path To Stability in LTE-Unlicensed With User Mobility: A Matching Framework. *IEEE Transactions on Wireless Communications*, **2017**, 16, 4547-4561	9.6	40
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302	A Framework for Categorizing and Applying Privacy-Preservation Techniques in Big Data Mining. *Computer*, **2016**, 49, 54-62	1.6	32
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257 Network economics in cognitive networks **2015**, 53, 75-81   16

256 Maximizing Network Capacity with Optimal Source Selection: A Network Science Perspective. *IEEE Signal Processing Letters*, **2015**, 22, 938-942   3.2   16

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239	Complex network theoretical analysis on information dissemination over vehicular networks **2016**,		13
238	Multimedia multicast beamforming in integrated terrestrial-satellite networks **2017**,		13

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