Yongkang Liu

List of Publications by Year
in descending order

29 papers	**791** citations	840776 **11** h-index
35 all docs	**35** docs citations	**35** times ranked

1058476 **14** g-index

896 citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal power allocation and user scheduling in multicell networks: Base station cooperation using a game-theoretic approach. IEEE Transactions on Wireless Communications, 2014, 13, 6928-6942.	9.2	201
2	Spectrum-Aware Opportunistic Routing in Multi-Hop Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1958-1968.	14.0	120
3	Dimensioning network deployment and resource management in green mesh networks. IEEE Wireless Communications, 2011, 18, 58-65.	9.0	75
4	Sustainability Analysis and Resource Management for Wireless Mesh Networks with Renewable Energy Supplies. IEEE Journal on Selected Areas in Communications, 2014, 32, 345-355.	14.0	62
5	Robust Power Control with Distribution Uncertainty in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 2397-2408.	14.0	40
6	Wireless Network Design for Emerging IIoT Applications: Reference Framework and Use Cases. Proceedings of the IEEE, 2019, 107, 1166-1192.	21.3	40
7	Industrial Wireless Systems Guidelines: Practical Considerations and Deployment Life Cycle. IEEE Industrial Electronics Magazine, 2018, 12, 6-17.	2.6	38
8	Deploying cognitive cellular networks under dynamic resource management. IEEE Wireless Communications, 2013, 20, 82-88.	9.0	33
9	A Cooperative Matching Approach for Resource Management in Dynamic Spectrum Access Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1047-1057.	9.2	21
10	Adaptive Resource Management in Sustainable Energy Powered Wireless Mesh Networks. , 2011, , .		20
11	A simulation framework for industrial wireless networks and process control systems. , 2016, , .		18
12	POSE: Design of Hardware-Friendly Particle-Based Observation Selection PHD Filter. IEEE Transactions on Industrial Electronics, 2014, 61, 1944-1956.	7.9	17
13	Distributed QoS-Aware MAC for Multimedia over Cognitive Radio Networks. , 2010, , .		16
14	Exploiting Heterogeneity Wireless Channels for Opportunistic Routing in Dynamic Spectrum Access Networks. , 2011, , .		14
15	Effects of wireless packet loss in industrial process control systems. ISA Transactions, 2017, 68, 412-424.	5.7	14
16	Model-based cosimulation for industrial wireless networks. , 2018, , .		7
17	Clustering and Representation of Time-Varying Industrial Wireless Channel Measurements. , 2019, , .		7
18	Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , .		6

#	Article	IF	Citations
19	A SysML representation of the wireless factory work cell. International Journal of Advanced Manufacturing Technology, 2019, 104, 119-140.	3.0	5
20	Joint Channel Selection and Opportunistic Forwarding in Multi-Hop Cognitive Radio Networks. , 2011, , .		4
21	Design Space Exploration for Wireless-Integrated Factory Automation Systems. , 2019, , .		4
22	A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , .		3
23	Clusterâ€based coordination scheme for cooperative cognitive radio networks. Wireless Communications and Mobile Computing, 2016, 16, 1050-1064.	1.2	2
24	Dimensioning wireless use cases in Industrial Internet of Things. , 2018, , .		2
25	An optimal handover algorithm for OFDMA broadband wireless access systems. , 2007, , 142.		1
26	Robust power control in cognitive radio networks with channel uncertainty. , 2013, , .		1
27	Feature Extraction and Classification for Communication Channels in Wireless Mechatronic Systems. , 2021, , .		1
28	Spectrum sharing strategy using bipartite matching for cooperative cognitive radio networks. , 2013, , .		0
29	Smart Manufacturing Testbed for the Advancement of Wireless Adoption in the Factory. IFIP Advances in Information and Communication Technology, 2020, , 176-189.	0.7	0