

# Yongkang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2399817/publications.pdf>

Version: 2024-02-01

29  
papers

791  
citations

840776

11  
h-index

1058476

14  
g-index

35  
all docs

35  
docs citations

35  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature Extraction and Classification for Communication Channels in Wireless Mechatronic Systems. , 2021, , .		1
2	A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , .		3
3	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
4	Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , .		6
5	Design Space Exploration for Wireless-Integrated Factory Automation Systems. , 2019, , .		4
6	A SysML representation of the wireless factory work cell. International Journal of Advanced Manufacturing Technology, 2019, 104, 119-140.	3.0	5
7	Wireless Network Design for Emerging IIoT Applications: Reference Framework and Use Cases. Proceedings of the IEEE, 2019, 107, 1166-1192.	21.3	40
8	Clustering and Representation of Time-Varying Industrial Wireless Channel Measurements. , 2019, , .		7
9	Industrial Wireless Systems Guidelines: Practical Considerations and Deployment Life Cycle. IEEE Industrial Electronics Magazine, 2018, 12, 6-17.	2.6	38
10	Model-based cosimulation for industrial wireless networks. , 2018, , .		7
11	Dimensioning wireless use cases in Industrial Internet of Things. , 2018, , .		2
12	Effects of wireless packet loss in industrial process control systems. ISA Transactions, 2017, 68, 412-424.	5.7	14
13	Cluster-based coordination scheme for cooperative cognitive radio networks. Wireless Communications and Mobile Computing, 2016, 16, 1050-1064.	1.2	2
14	A simulation framework for industrial wireless networks and process control systems. , 2016, , .		18
15	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
16	A Cooperative Matching Approach for Resource Management in Dynamic Spectrum Access Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1047-1057.	9.2	21
17	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
18	POSE: Design of Hardware-Friendly Particle-Based Observation Selection PHD Filter. IEEE Transactions on Industrial Electronics, 2014, 61, 1944-1956.	7.9	17

#	ARTICLE	IF	CITATIONS
19	Deploying cognitive cellular networks under dynamic resource management. IEEE Wireless Communications, 2013, 20, 82-88.	9.0	33
20	Spectrum sharing strategy using bipartite matching for cooperative cognitive radio networks. , 2013, , .		0
21	Robust Power Control with Distribution Uncertainty in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 2397-2408.	14.0	40
22	Robust power control in cognitive radio networks with channel uncertainty. , 2013, , .		1
23	Spectrum-Aware Opportunistic Routing in Multi-Hop Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1958-1968.	14.0	120
24	Adaptive Resource Management in Sustainable Energy Powered Wireless Mesh Networks. , 2011, , .		20
25	Dimensioning network deployment and resource management in green mesh networks. IEEE Wireless Communications, 2011, 18, 58-65.	9.0	75
26	Joint Channel Selection and Opportunistic Forwarding in Multi-Hop Cognitive Radio Networks. , 2011, , .		4
27	Exploiting Heterogeneity Wireless Channels for Opportunistic Routing in Dynamic Spectrum Access Networks. , 2011, , .		14
28	Distributed QoS-Aware MAC for Multimedia over Cognitive Radio Networks. , 2010, , .		16
29	An optimal handover algorithm for OFDMA broadband wireless access systems. , 2007, , 142.		1