Richard Candell

List of Publications by Year
in descending order

26 papers	340 citations	1684188 5 h-index	1588992 8 g-index
35 all docs	35 docs citations	35 times ranked	364 citing authors

#	Article	IF	Citations
1	Wireless Network Design for Emerging IIoT Applications: Reference Framework and Use Cases. Proceedings of the IEEE, 2019, 107, 1166-1192.	21.3	40
2	Industrial Wireless Systems Guidelines: Practical Considerations and Deployment Life Cycle. IEEE Industrial Electronics Magazine, 2018, 12, 6-17.	2.6	38
3	A simulation framework for industrial wireless networks and process control systems. , 2016, , .		18
4	Towards a systematic threat modeling approach for cyber-physical systems. , 2015, 2015, .		17
5	Wireless Time Sensitive Networking Impact on an Industrial Collaborative Robotic Workcell. IEEE Transactions on Industrial Informatics, 2022, 18, 7351-7360.	11.3	16
6	Effects of wireless packet loss in industrial process control systems. ISA Transactions, 2017, 68, 412-424.	5.7	14
7	Delay Optimization for Industrial Wireless Control Systems Based on Channel Characterization. IEEE Transactions on Industrial Informatics, 2020, 16, 5855-5865.	11.3	14
8	Industrial wireless: Problem space, success considerations, technologies, and future direction. , 2017, , .		12
9	Clustering and Representation of Time-Varying Industrial Wireless Channel Measurements. , 2019, , .		7
10	Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , .		6
11	Channel modeling and performance of Zigbee radios in an industrial environment. , 2017, , .		5
12	A SysML representation of the wireless factory work cell. International Journal of Advanced Manufacturing Technology, 2019, 104, 119-140.	3.0	5
13	Wireless Cyber-Physical System Performance Evaluation Through a Graph Database Approach. Journal of Computing and Information Science in Engineering, 2021, 21, .	2.7	5
14	Performance evaluation of secure industrial control system design: A railway control system case study. , 2016, , .		4
15	Design Space Exploration for Wireless-Integrated Factory Automation Systems. , 2019, , .		4
16	Software-defined radio based measurement platform for wireless networks. , 2015, 2015, 7-12.		3
17	A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , .		3
18	Measuring Impact of Cybersecurity on the Performance of Industrial Control Systems. Mechanical Engineering, 2014, 136, S4-S7.	0.1	2

#	Article	IF	Citations
19	Temporal Exemplar Channels In High-Multipath Environments. , 2021, , .		1
20	Feature Extraction and Classification for Communication Channels in Wireless Mechatronic Systems. , 2021, , .		1
21	On the Impact of Wireless Communications on Controlling a Two-Dimensional Gantry System. , 2019, , .		1
22	A Machine-Learning Approach for the Exemplar Extraction of mmWave Industrial Wireless Channels. , 2022, 1, 1-15.		1
23	Industrial Wireless End-to-End Measurements and Impacts in a Gas-Sensing Scenario. Journal of Research of the National Institute of Standards and Technology, 2018, 123, 1-22.	1.2	0
24	A Black-Box Noninvasive Characterization Method for Industrial Wireless Networks. Journal of Research of the National Institute of Standards and Technology, 2019, 124, 1-16.	1.2	0
25	A Model of a Wireless Factory Work-Cell Using the Systems Modeling Language. Journal of Research of the National Institute of Standards and Technology, 2018, 123, 1-3.	1.2	0
26	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