

Richard Candell

List of Publications by Year in descending order

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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 Time Sensitive Networking Impact on an Industrial Collaborative Robotic Workcell. IEEE Transactions on Industrial Informatics, 2022, 18, 7351-7360.	11.3	16
2	A Machine-Learning Approach for the Exemplar Extraction of mmWave Industrial Wireless Channels. , 2022, 1, 1-15.		1
3	Temporal Exemplar Channels In High-Multipath Environments. , 2021, , .		1
4	Feature Extraction and Classification for Communication Channels in Wireless Mechatronic Systems. , 2021, , .		1
5	Wireless Cyber-Physical System Performance Evaluation Through a Graph Database Approach. Journal of Computing and Information Science in Engineering, 2021, 21, .	2.7	5
6	A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , .		3
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	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
9	Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , .		6
10	Design Space Exploration for Wireless-Integrated Factory Automation Systems. , 2019, , .		4
11	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
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 Network Design for Emerging IIoT Applications: Reference Framework and Use Cases. Proceedings of the IEEE, 2019, 107, 1166-1192.	21.3	40
14	Clustering and Representation of Time-Varying Industrial Wireless Channel Measurements. , 2019, , .		7
15	On the Impact of Wireless Communications on Controlling a Two-Dimensional Gantry System. , 2019, , .		1
16	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
17	Industrial Wireless Systems Guidelines: Practical Considerations and Deployment Life Cycle. IEEE Industrial Electronics Magazine, 2018, 12, 6-17.	2.6	38
18	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

#	ARTICLE	IF	CITATIONS
19	Effects of wireless packet loss in industrial process control systems. ISA Transactions, 2017, 68, 412-424.	5.7	14
20	Channel modeling and performance of Zigbee radios in an industrial environment. , 2017, , .		5
21	Industrial wireless: Problem space, success considerations, technologies, and future direction. , 2017, , .		12
22	Performance evaluation of secure industrial control system design: A railway control system case study. , 2016, , .		4
23	A simulation framework for industrial wireless networks and process control systems. , 2016, , .		18
24	Software-defined radio based measurement platform for wireless networks. , 2015, 2015, 7-12.		3
25	Towards a systematic threat modeling approach for cyber-physical systems. , 2015, 2015, .		17
26	Measuring Impact of Cybersecurity on the Performance of Industrial Control Systems. Mechanical Engineering, 2014, 136, S4-S7.	0.1	2