Petr Fiedler

List of Publications by Year
in descending order

27 papers	244 citations	1306789 7 h-index	1058022 14 g-index
27 all docs	27 docs citations	27 times ranked	302 citing authors

#	Article	IF	Citations
1	Optimal Scheduling of Domestic Appliances via MILP. Energies, 2015, 8, 217-232.	1.6	88
2	Performance evaluation of symmetric cryptography in embedded systems. , 2011, , .		26
3	Ontology versus Database. IFAC-PapersOnLine, 2015, 48, 220-225.	0.5	22
4	A Heuristic Algorithm to Compute Multimodal Criterial Function Weights for Demand Management in Residential Areas. Energies, 2017, 10, 1049.	1.6	18
5	Wireless communication in automation. , 0, , .		14
6	Prepaid energy in time of Smart Metering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 428-433.	0.4	12
7	Virtual Automation Networks. IEEE Industrial Electronics Magazine, 2010, 4, 20-27.	2.3	11
8	A Multiconductor Model of Power Line Communication in Medium-Voltage Lines. Energies, 2017, 10, 816.	1.6	11
9	Electric vehicles charger as a part of home area network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 180-185.	0.4	8
10	Challenges in Arc Fault Detection for High Power DC applications**This paper presents selected outcomes of a Master Thesis that has been supported by Eaton Elektrotechnika s.r.o., Prague, Czech Republic. IFAC-PapersOnLine, 2016, 49, 552-556.	0.5	5
11	Wireless communications in smart metering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 330-335.	0.4	4
12	On Security of PAN Wireless Systems. Lecture Notes in Computer Science, 2006, , 178-185.	1.0	4
13	Thermostatically controlled appliances in the Home Area Network model. IFAC-PapersOnLine, 2016, 49, 247-253.	0.5	3
14	New Methods of Interconnection of Industrial Fieldbuses. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 145-147.	0.4	2
15	Smart Pressure Sensors with Next Generation Communication Interfaces. , 2005, , .		2
16	Protocol Gateways for HART Sensors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 194-197.	0.4	2
17	Simulator for optimal scheduling of domestic appliances. IFAC-PapersOnLine, 2015, 48, 95-100.	0.5	2
18	Client side data encryption/decryption for web application. IFAC-PapersOnLine, 2016, 49, 241-246.	0.5	2

#	Article	IF	Citations
19	Resiliency, the Path to Safety II. IFAC-PapersOnLine, 2018, 51, 468-472.	0.5	2
20	Personal Navigation Algorithms Based on Wireless Networks and Inertial Sensors. Journal of Electrical Engineering, 2014, 65, 193-202.	0.4	2
21	Rate-Variable-Latency service curve as an extension to Network Calculus. , 2009, , .		1
22	Interoperability in Sensor-Actuator Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 178-183.	0.4	1
23	Fault Tolerant CNC Motion Controller. IFAC-PapersOnLine, 2016, 49, 229-234.	0.5	1
24	Offline Access to a Vehicle via PKI-Based Authentication. Lecture Notes in Computer Science, 2021, , 76-88.	1.0	1
25	Findings on QoS Metrics of L3 Network Devices Intended for Future Factory Automation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 204-209.	0.4	0
26	Home Coordinator for Smart Grids. Basic theory and approaches. , 2012, , .		0
27	Interoperability in diagnostic systems. , 2012, , .		0