

Zdenek Bradac

List of Publications by Year in descending order

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340
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Design and Integration of Asset Administration Shells in Components of Industry 4.0. Sensors, 2021, 21, 2004.	3.8	35
2	New Approaches to Implementing the SmartJacket into Industry 4.0. Sensors, 2019, 19, 1592.	3.8	11
3	A Simple and effective ADO.NET-based ORM layer. IFAC-PapersOnLine, 2019, 52, 228-234.	0.9	2
4	SkuBATCH - System for control of technological processes. IFAC-PapersOnLine, 2019, 52, 477-483.	0.9	3
5	Gabriela.NET: Modular platform for 1D and 2D data acquisition, processing and presentation. IFAC-PapersOnLine, 2018, 51, 190-195.	0.9	2
6	An Industry 4.0 Testbed (Self-Acting Barman): Principles and Design. IFAC-PapersOnLine, 2018, 51, 263-270.	0.9	9
7	Methods to Decrease Power Consumption in Industrial Robotics. IFAC-PapersOnLine, 2018, 51, 271-276.	0.9	3
8	Formulation and Simulation of Receding Horizon Control over Mixed Logical Dynamical System. IFAC-PapersOnLine, 2018, 51, 390-395.	0.9	0
9	Reducing usage of the computational resources by event driven approach to model predictive control. Journal of Electrical Engineering, 2017, 68, 290-298.	0.7	1
10	A Heuristic Algorithm to Compute Multimodal Criterial Function Weights for Demand Management in Residential Areas. Energies, 2017, 10, 1049.	3.1	18
11	Models of Pilot Behavior and Their Use to Evaluate the State of Pilot Training. Journal of Electrical Engineering, 2016, 67, 267-272.	0.7	13
12	Optimal Predictive Control - A brief review of theory and practice. IFAC-PapersOnLine, 2016, 49, 324-329.	0.9	4
13	Zero Cross Detection Using Phase Locked Loop. IFAC-PapersOnLine, 2016, 49, 294-298.	0.9	3
14	Power Line Communication Parameters of Multi Conductor Power Line. IFAC-PapersOnLine, 2016, 49, 212-217.	0.9	1
15	Thermostatically controlled appliances in the Home Area Network model. IFAC-PapersOnLine, 2016, 49, 247-253.	0.9	3
16	Distributed Systems - A brief review of theory and practice. IFAC-PapersOnLine, 2016, 49, 318-323.	0.9	1
17	Client side data encryption/decryption for web application. IFAC-PapersOnLine, 2016, 49, 241-246.	0.9	2
18	Simulator for optimal scheduling of domestic appliances. IFAC-PapersOnLine, 2015, 48, 95-100.	0.9	2

#	ARTICLE	IF	CITATIONS
19	The Dynamic Pilot Behavioral Models. <i>Procedia Engineering</i> , 2015, 100, 1192-1197.	1.2	11
20	Time Synchronization in Power-line Communication. <i>IFAC-PapersOnLine</i> , 2015, 48, 83-88.	0.9	4
21	Multiwire Power Line Communication Model. <i>IFAC-PapersOnLine</i> , 2015, 48, 147-152.	0.9	5
22	Ontology versus Database. <i>IFAC-PapersOnLine</i> , 2015, 48, 220-225.	0.9	22
23	An Indoor Positioning System Based on NanoPAN Modules. <i>IFAC-PapersOnLine</i> , 2015, 48, 89-94.	0.9	3
24	Human Reliability in Man-machine Systems. <i>Procedia Engineering</i> , 2015, 100, 1207-1214.	1.2	46
25	Probabilistic reliability analysis of dynamic behavior of human driver. <i>IFAC-PapersOnLine</i> , 2015, 48, 111-116.	0.9	2
26	Optimal Scheduling of Domestic Appliances via MILP. <i>Energies</i> , 2015, 8, 217-232.	3.1	88
27	Time Synchronized Low-voltage Measurements for Smart Grids. <i>Procedia Engineering</i> , 2015, 100, 1389-1395.	1.2	14
28	A Man as the Regulator in Man-Machine Systems. <i>Advances in Electrical and Electronic Engineering</i> , 2014, 12, .	0.3	4
29	Localization techniques and nanoLOC TRX system. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 366-370.	0.4	0
30	A Driver as the Regulator in Man-Machine System. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 342-347.	0.4	0
31	The device and data integration description through ontology. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 348-353.	0.4	4
32	Home Coordinator for Smart Grids. <i>Basic theory and approaches.</i> , 2012, , .		0
33	Ontology and diagnostics in automation technology. , 2012, , .		3
34	Immune network control for stigmergy based foraging behaviour of autonomous mobile robots. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007, 21, 265-286.	4.1	15
35	Distributed control system for robotic manipulators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 487-491.	0.4	0
36	On Security of PAN Wireless Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 178-185.	1.3	4

#	ARTICLE	IF	CITATIONS
37	A10: Embedded sensors for automation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 59-63.	0.4	1
38	Short Range Radio Data Transfer For Process Automation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 315-318.	0.4	1
39	Development in Safety and Reliability of Programmable Devices and Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 303-306.	0.4	1
40	Bringing Ethernet to the Sensor Level. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 479-481.	0.4	0