

# Zdenek Bradac

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6079800/publications.pdf>

Version: 2024-02-01

40  
papers

341  
citations

933410

10  
h-index

839512

18  
g-index

40  
all docs

40  
docs citations

40  
times ranked

340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Scheduling of Domestic Appliances via MILP. <i>Energies</i> , 2015, 8, 217-232.	3.1	88
2	Human Reliability in Man-machine Systems. <i>Procedia Engineering</i> , 2015, 100, 1207-1214.	1.2	46
3	Automated Design and Integration of Asset Administration Shells in Components of Industry 4.0. <i>Sensors</i> , 2021, 21, 2004.	3.8	35
4	Ontology versus Database. <i>IFAC-PapersOnLine</i> , 2015, 48, 220-225.	0.9	22
5	A Heuristic Algorithm to Compute Multimodal Criterial Function Weights for Demand Management in Residential Areas. <i>Energies</i> , 2017, 10, 1049.	3.1	18
6	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
7	Time Synchronized Low-voltage Measurements for Smart Grids. <i>Procedia Engineering</i> , 2015, 100, 1389-1395.	1.2	14
8	Models of Pilot Behavior and Their Use to Evaluate the State of Pilot Training. <i>Journal of Electrical Engineering</i> , 2016, 67, 267-272.	0.7	13
9	The Dynamic Pilot Behavioral Models. <i>Procedia Engineering</i> , 2015, 100, 1192-1197.	1.2	11
10	New Approaches to Implementing the SmartJacket into Industry 4.0. <i>Sensors</i> , 2019, 19, 1592.	3.8	11
11	An Industry 4.0 Testbed (Self-Acting Barman): Principles and Design. <i>IFAC-PapersOnLine</i> , 2018, 51, 263-270.	0.9	9
12	Multiwire Power Line Communication Model. <i>IFAC-PapersOnLine</i> , 2015, 48, 147-152.	0.9	5
13	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
14	Time Synchronization in Power-line Communication. <i>IFAC-PapersOnLine</i> , 2015, 48, 83-88.	0.9	4
15	Optimal Predictive Control - A brief review of theory and practice. <i>IFAC-PapersOnLine</i> , 2016, 49, 324-329.	0.9	4
16	On Security of PAN Wireless Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 178-185.	1.3	4
17	A Man as the Regulator in Man-Machine Systems. <i>Advances in Electrical and Electronic Engineering</i> , 2014, 12, .	0.3	4
18	Ontology and diagnostics in automation technology. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	An Indoor Positioning System Based on NanoPAN Modules. IFAC-PapersOnLine, 2015, 48, 89-94.	0.9	3
20	Zero Cross Detection Using Phase Locked Loop. IFAC-PapersOnLine, 2016, 49, 294-298.	0.9	3
21	Thermostatically controlled appliances in the Home Area Network model. IFAC-PapersOnLine, 2016, 49, 247-253.	0.9	3
22	Methods to Decrease Power Consumption in Industrial Robotics. IFAC-PapersOnLine, 2018, 51, 271-276.	0.9	3
23	SkuBATCH - System for control of technological processes. IFAC-PapersOnLine, 2019, 52, 477-483.	0.9	3
24	Simulator for optimal scheduling of domestic appliances. IFAC-PapersOnLine, 2015, 48, 95-100.	0.9	2
25	Probabilistic reliability analysis of dynamic behavior of human driver. IFAC-PapersOnLine, 2015, 48, 111-116.	0.9	2
26	Client side data encryption/decryption for web application. IFAC-PapersOnLine, 2016, 49, 241-246.	0.9	2
27	Gabriela.NET: Modular platform for 1D and 2D data acquisition, processing and presentation. IFAC-PapersOnLine, 2018, 51, 190-195.	0.9	2
28	A Simple and effective ADO.NET-based ORM layer. IFAC-PapersOnLine, 2019, 52, 228-234.	0.9	2
29	Short Range Radio Data Transfer For Process Automation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 315-318.	0.4	1
30	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
31	A10: Embedded sensors for automation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 59-63.	0.4	1
32	Power Line Communication Parameters of Multi Conductor Power Line. IFAC-PapersOnLine, 2016, 49, 212-217.	0.9	1
33	Distributed Systems - A brief review of theory and practice. IFAC-PapersOnLine, 2016, 49, 318-323.	0.9	1
34	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
35	Bringing Ethernet to the Sensor Level. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 479-481.	0.4	0
36	Distributed control system for robotic manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 487-491.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Home Coordinator for Smart Grids. Basic theory and approaches. , 2012, , .		0
38	Localization techniques and nanoLOC TRX system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 366-370.	0.4	0
39	A Driver as the Regulator in Man-Machine System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 342-347.	0.4	0
40	Formulation and Simulation of Receding Horizon Control over Mixed Logical Dynamical System. IFAC-PapersOnLine, 2018, 51, 390-395.	0.9	0