

Zdenek Machacek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5328064/publications.pdf>

Version: 2024-02-01

21
papers

162
citations

1478505

6
h-index

1474206

9
g-index

24
all docs

24
docs citations

24
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Communication for Mobile Robotics and Industrial Embedded Devices. , 2009, , .		28
2	Development Methods for Low Cost Industrial Control by WinPAC Controller and Measurement Cards in Matlab Simulink. , 2010, , .		15
3	Realization of Prototype of a Low-Cost Bidirectional Communication System Through Fibreless Optics. Wireless Personal Communications, 2016, 91, 137-150.	2.7	15
4	Advanced energy management system in Smart Home Care. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 517-524.	0.6	13
5	Implementation of the Mathematical Model of a Generating Block in Matlab and Simulink Using S-functions. , 2009, , .		9
6	Intelligent Car Control and Recognition Embedded System. , 2010, , .		7
7	Evaluation of Pt100 Sensor Deflection Effect during Strain Measurements. Elektronika Ir Elektrotehnika, 2015, 21, .	0.8	7
8	Correlation Methods of OCR Algorithm for Traffic Sign Detection Implementable in Microcontrollers. Advances in Intelligent Systems and Computing, 2013, , 381-389.	0.6	6
9	A System for the Detection of Persons in Intelligent Buildings Using Camera Systems – A Comparative Study. Sensors, 2020, 20, 3558.	3.8	6
10	Noise Reduction in Industry Based on Virtual Instrumentation. Computers, Materials and Continua, 2021, 69, 1073-1096.	1.9	6
11	Simulation of MIT Rule-Based Adaptive Controller of a Power Plant Superheater. Advances in Intelligent and Soft Computing, 2012, , 473-479.	0.2	5
12	Image signal processing, analysis and detection for robotic system. , 2014, , .		5
13	Development of a Visualisation Software, Implemented with Comfort Smart Home Wireless Control System. Lecture Notes in Electrical Engineering, 2015, , 581-589.	0.4	4
14	Continuity Detection Method in Binary Image Signal. Elektronika Ir Elektrotehnika, 2020, 26, 4-9.	0.8	4
15	An Investigation of Thermoelectric Generators Used as Energy Harvesters in a Water Consumption Meter Application. Energies, 2021, 14, 3768.	3.1	3
16	Analysis and Elimination of Dangerous Wave Propagation as Intelligent Adaptive Technique. Lecture Notes in Computer Science, 2011, , 482-491.	1.3	3
17	Advanced Energy Harvesting from Heating for a Water Consumption Meter. Proceedings (mdpi), 2020, 51, 21.	0.2	2
18	Direct digital synthesis based - function generator with digital signal modulations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 189-194.	0.4	1

#	ARTICLE	IF	CITATIONS
19	New strategies for measuring and sorting shaped glass stones using image processing. <i>Perspectives in Science</i> , 2016, 7, 109-113.	0.6	1
20	Improved method of heuristic classification of vowels from an acoustic signal. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2018, 26, 2901-2915.	1.4	1
21	Inspection of the Cogwheel Using Virtual Instrumentation. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2019, 67, 1493-1501.	0.4	1