Zdenek Machacek

List of Publications by Year
in descending order

21	162	1478505	1474206
papers	citations	6	9
		h-index	g-index

24	24	24	97
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Investigation of Thermoelectric Generators Used as Energy Harvesters in a Water Consumption Meter Application. Energies, 2021, 14, 3768.	3.1	3
2	Noise Reduction in Industry Based on Virtual Instrumentation. Computers, Materials and Continua, 2021, 69, 1073-1096.	1.9	6
3	A System for the Detection of Persons in Intelligent Buildings Using Camera Systemsâ€"A Comparative Study. Sensors, 2020, 20, 3558.	3.8	6
4	Advanced Energy Harvesting from Heating for a Water Consumption Meter. Proceedings (mdpi), 2020, 51, 21.	0.2	2
5	Continuity Detection Method in Binary Image Signal. Elektronika Ir Elektrotechnika, 2020, 26, 4-9.	0.8	4
6	Inspection of the Cogwheel Using Virtual Instrumentation. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2019, 67, 1493-1501.	0.4	1
7	Improved method of heuristic classification of vowels from an acoustic signal. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 2901-2915.	1.4	1
8	Realization of Prototype of a Low-Cost Bidirectional Communication System Through Fibreless Optics. Wireless Personal Communications, 2016, 91, 137-150.	2.7	15
9	Advanced energy management system in Smart Home Care. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 517-524.	0.6	13
10	New strategies for measuring and sorting shaped glass stones using image processing. Perspectives in Science, 2016, 7, 109-113.	0.6	1
11	Development of a Visualisation Software, Implemented with Comfort Smart Home Wireless Control System. Lecture Notes in Electrical Engineering, 2015, , 581-589.	0.4	4
12	Evaluation of Pt100 Sensor Deflection Effect during Strain Measurements. Elektronika Ir Elektrotechnika, 2015, 21, .	0.8	7
13	Image signal processing, analysis and detection for robotic system. , 2014, , .		5
14	Correlation Methods of OCR Algorithm for Traffic Sign Detection Implementable in Microcontrollers. Advances in Intelligent Systems and Computing, 2013, , 381-389.	0.6	6
15	Simulation of MIT Rule-Based Adaptive Controller of a Power Plant Superheater. Advances in Intelligent and Soft Computing, 2012, , 473-479.	0.2	5
16	Analysis and Elimination of Dangerous Wave Propagation as Intelligent Adaptive Technique. Lecture Notes in Computer Science, 2011, , 482-491.	1.3	3
17	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
18	Development Methods for Low Cost Industrial Control by WinPAC Controller and Measurement Cards in Matlab Simulink. , 2010, , .		15

#	Article	IF	Citations
19	Intelligent Car Control and Recognition Embedded System. , 2010, , .		7
20	Wireless Communication for Mobile Robotics and Industrial Embedded Devices. , 2009, , .		28
21	Implementation of the Mathematical Model of a Generating Block in Matlab and Simulink Using S-functions. , 2009, , .		9