Krzysztof Tomczyk

List of Publications by Year
in descending order

35 papers	**160** citations	1307594 **7** h-index	1281871 **11** g-index
45 all docs	**45** docs citations	**45** times ranked	**114** citing authors

#	Article	IF	Citations
1	Accelerometer errors in the measurement of dynamic signals. Measurement: Journal of the International Measurement Confederation, 2015, 60, 292-298.	5.0	17
2	Impact of uncertainties in accelerometer modeling on the maximum values of absolute dynamic error. Measurement: Journal of the International Measurement Confederation, 2016, 80, 71-78.	5.0	15
3	Measurements, Modelling and Simulation of Dynamic Systems. , 2010, , .		12
4	Special signals in the calibration of systems for measuring dynamic quantities. Measurement: Journal of the International Measurement Confederation, 2014, 49, 148-152.	5.0	11
5	Radial Basis Functions Intended to Determine the Upper Bound of Absolute Dynamic Error at the Output of Voltage-Mode Accelerometers. Sensors, 2019, 19, 4154.	3.8	11
6	Influence of Monte Carlo generations applied for modelling of measuring instruments on maximum distance error. Transactions of the Institute of Measurement and Control, 2019, 41, 74-84.	1.7	11
7	Monte Carlo-Based Procedure for Determining the Maximum Energy at the Output of Accelerometers. Energies, 2020, 13, 1552.	3.1	8
8	Procedure for Correction of the ECG Signal Error Introduced By Skin-Electrode Interface. Metrology and Measurement Systems, 2011, 18, .	1.4	7
9	Assessment of measurement uncertainties for energy signals stimulating the selected NiTi alloys during the wire electrical discharge machining. Precision Engineering, 2022, 76, 133-140.	3.4	7
10	Energy density for signals maximizing the integral-square error. Measurement: Journal of the International Measurement Confederation, 2016, 90, 224-232.	5.0	6
11	Analysis of the error generated by the voltage output accelerometer using the optimal structure of an artificial neural network. , 2018, , .		6
12	Procedure for Determining the Uncertainties in the Modeling of Surface Roughness in the Turning of NiTi Alloys Using the Monte Carlo Method. Materials, 2020, 13, 4338.	2.9	6
13	Procedure proposal for establishing the class of dynamic accuracy for measurement sensors using simulation signals with one constraint. Measurement: Journal of the International Measurement Confederation, 2021, 178, 109367.	5.0	6
14	Signal Transforms in Dynamic Measurements. Studies in Systems, Decision and Control, 2015, , .	1.0	5
15	Optimal Dynamic Error Formula for Charge Output Accelerometer Obtained by the Neural Network. , 2018, , .		5
16	Problems in Modelling Charge Output Accelerometers. Metrology and Measurement Systems, 2016, 23, 645-659.	1.4	5
17	Hilbert Transform. Studies in Systems, Decision and Control, 2015, , 107-116.	1.0	3
18	Procedure for the extended calibration of temperature sensors. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111239.	5.0	3

#	Article	IF	Citations
19	New algorithm for determining the dynamic error for the integral-square criterion. Journal of Physics: Conference Series, 2018, 1065, 082001.	0.4	2
20	Procedure for the Accurate Modelling of Ring Induction Motors. Energies, 2021, 14, 5469.	3.1	2
21	Convolution and Deconvolution. Studies in Systems, Decision and Control, 2015, , 169-188.	1.0	2
22	Model Development. , 2010, , 83-126.		2
23	Polynomial Approximation of the Maximum Dynamic Error Generated by Measurement Systems. Przeglad Elektrotechniczny, 2019, 1, 126-129.	0.2	2
24	Procedure Proposal for Minimising the Dynamic Error of Second-Order Sensors. Sensors, 2022, 22, 1901.	3.8	2
25	Calibration of Measuring Systems Based on Maximum Dynamic Error. , 2012, , .		1
26	Impact of the reference model on the values of maximum dynamic error. , 2018, , .		1
27	Assessment of Convergence of the Algorithm for Determining the Upper Bound of Dynamic Error on the Example of Acceleration Sensors. , 2019, , .		1
28	Special functions for the extended calibration of charge-mode accelerometers. Precision Engineering, 2021, 71, 153-169.	3.4	1
29	Usage of structural optimization algorithm of neural nets in problems of data classification. , 2017, , .		0
30	Analysis of the Accelerometer Input–Output Energy Distribution Based on the Upper Bound of Absolute Dynamic Error. Energies, 2020, 13, 5816.	3.1	0
31	Application of Identification Reference Nets for the Preliminary Modeling on the Example of Electrical Machines. Energies, 2021, 14, 3091.	3.1	0
32	Mapping Error. , 2010, , 127-150.		0
33	Classification and Parameters of Signals. Studies in Systems, Decision and Control, 2015, , 1-19.	1.0	0
34	Frequency Components of Signals Producing the Upper Bound of Absolute Error Generated by the Charge Output Accelerometers. Lecture Notes in Electrical Engineering, 2019, , 351-359.	0.4	0
35	Application of the Monte Carlo Method for Parametric Identification of Accelerometers in the Frequency Domain. , 2020, 24, 31-38.	0.1	0