Marzena Bielecka

List of Publications by Year
in descending order

34 papers	321 citations	1039880 9 h-index	887953 17 g-index
41 all docs	41 docs citations	41 times ranked	258 citing authors

#	Article	IF	Citations
1	Unsupervised detection of rotary machine imbalance based on statistical signal properties. Mechanical Systems and Signal Processing, 2022, 167, 108497.	4.4	3
2	Blind image quality assessment of magnetic resonance images with statistics of local intensity extrema. Information Sciences, 2022, 606, 112-125.	4.0	6
3	The Concept of the Constructional Solution of the Working Section of a Robot for Harvesting Strawberries. Sensors, 2021, 21, 3933.	2.1	5
4	Simple method of failure detection of rotary machines. Diagnostyka, 2021, 22, 17-22.	0.5	2
5	Magnetic Resonance Image Quality Assessment by Using Non-Maximum Suppression and Entropy Analysis. Entropy, 2020, 22, 220.	1.1	17
6	Universal Measure for Medical Image Quality Evaluation Based on Gradient Approach. Lecture Notes in Computer Science, 2020, , 406-417.	1.0	1
7	The shape language in application to the diagnosis of cervical vertebrae pathology. PLoS ONE, 2018, 13, e0204546.	1.1	9
8	Syntactic-geometric-fuzzy hierarchical classifier of contours with application to analysis of bone contours in X-ray images. Applied Soft Computing Journal, 2018, 69, 368-380.	4.1	6
9	Automatical Syndesmophyte Contour Extraction from Lateral C Spine Radiographs. Advances in Intelligent Systems and Computing, 2018, , 164-173.	0.5	4
10	The Shape Language Application to Evaluation of the Vertebra Syndesmophytes Development Progress. Lecture Notes in Computer Science, 2018, , 117-126.	1.0	0
11	Localizing Characteristic Points on a Vertebra Contour by Using Shape Language. Lecture Notes in Computer Science, 2018, , 341-348.	1.0	0
12	Prediction of Traffic Intensity for Dynamic Street Lighting. , 2017, , .		5
13	Conditioned Anxiety Mechanism as a Basis for a Procedure of Control Module of an Autonomous Robot. Lecture Notes in Computer Science, 2017, , 390-398.	1.0	2
14	Proposal of an Intelligent, Predictive Fuzzy Controller for Off-Grid Devices. IFAC-PapersOnLine, 2016, 49, 523-528.	0.5	2
15	Generalized Shape Language Application to Detection of a Specific Type of Bone Erosion in X-ray Images. Lecture Notes in Computer Science, 2016, , 531-540.	1.0	6
16	Optimization of Numerical Calculations of Geometric Features of a Curve Describing Preprocessed X-Ray Images of Bones as a Starting Point for Syntactic Analysis of Finger Bone Contours. Lecture Notes in Computer Science, 2016, , 365-376.	1.0	5
17	Automatized fuzzy evaluation of CT scan heart slices for creating 3D/4D heart model. Applied Soft Computing Journal, 2015, 30, 179-189.	4.1	7
18	ART-2 Artificial Neural Networks Applications for Classification of Vibration Signals and Operational States of Wind Turbines for Intelligent Monitoring. Lecture Notes in Mechanical Engineering, 2014, , 679-688.	0.3	5

#	Article	IF	Citations
19	SAR images analysis based on polarimetric signatures. Applied Soft Computing Journal, 2014, 23, 259-269.	4.1	11
20	Adaptive Preprocessing of X-ray Hand Images. Advances in Intelligent Systems and Computing, 2014, , 61-70.	0.5	2
21	Hybrid System of ART and RBF Neural Networks for Classification of Vibration Signals and Operational States of Wind Turbines. Lecture Notes in Computer Science, 2014, , 3-11.	1.0	6
22	Compression of Synthetic-Aperture Radar Images. Lecture Notes in Computer Science, 2014, , 92-99.	1.0	0
23	Modeling of probability distribution functions for automatic threshold calculation in condition monitoring systems. Measurement: Journal of the International Measurement Confederation, 2013, 46, 727-738.	2.5	53
24	Fractal Modelling of Various Wind Characteristics for Application in a Cybernetic Model of a Wind Turbine. Lecture Notes in Computer Science, 2012, , 531-538.	1.0	1
25	Wind speed modelling using Weierstrass function fitted by a genetic algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 109, 68-78.	1.7	32
26	Preliminary pattern recognition in polarimetric signatures. , 2012, , .		1
27	An Evolutionary-Neural Algorithm for Solving Inverse IFS Problem for Images in Two-Dimensional Space. Lecture Notes in Computer Science, 2012, , 22-29.	1.0	0
28	Automatic validation of vibration signals in wind farm distributed monitoring systems. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1954-1967.	2.5	38
29	Modified Jakubowski Shape Transducer for Detecting Osteophytes and Erosions in Finger Joints. Lecture Notes in Computer Science, 2011, , 147-155.	1.0	14
30	A Shape Description Language for Osteophytes Detection in Upper Surfaces of the Metacarpophalangeal Joints. Advances in Intelligent and Soft Computing, 2011, , 479-487.	0.2	1
31	Hybrid expert system aiding design of post-mining regions restoration. Ecological Engineering, 2010, 36, 1232-1241.	1.6	19
32	Application of Shape Description Methodology to Hand Radiographs Interpretation. Lecture Notes in Computer Science, 2010, , 11-18.	1.0	17
33	Input Signals Normalization in Kohonen Neural Networks. Lecture Notes in Computer Science, 2008, , 3-10.	1.0	1
34	Fuzzy-Aided Syntactic Scene Analysis. Lecture Notes in Computer Science, 2007, , 970-973.	1.0	0