Ryszard Tadeusiewicz

List of Publications by Year
in descending order

132	1,614	279487	360668
papers	citations	23 h-index	35 g-index

145	145	145	1266
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Book review â€œProcess maturity of hospitals and the quality of medical servicesâ€•by Beata Detyna. Bio-Algorithms and Med-Systems, 2022, 18, 13-15.	1.0	0
2	Signal-piloted processing metaheuristic optimization and wavelet decomposition based elucidation of arrhythmia for mobile healthcare. Biocybernetics and Biomedical Engineering, 2022, 42, 681-694.	3.3	21
3	Automat do skaryfikacji i oceny Å¼ywotnoÅ›ci Å¼oÅ‚Ä™dzi. , 2022, , 169-181.		0
4	Systemy wizyjne automatu do przedsiewnego przygotowania Å¼oÅ‚Ä™dzi. Przeglad Elektrotechniczny, 2021, 1, 190-193.	0.1	1
5	Analyzing the Features Affecting the Performance of Teachers during Covid-19: A Multilevel Feature Selection. Electronics (Switzerland), 2021, 10, 1673.	1.8	3
6	Real Time Multipurpose Smart Waste Classification Model for Efficient Recycling in Smart Cities Using Multilayer Convolutional Neural Network and Perceptron. Sensors, 2021, 21, 4916.	2.1	23
7	A Design Study of Orthotic Shoe Based on Pain Pressure Measurement Using Algometer for Calcaneal Spur Patients. Technologies, 2021, 9, 62.	3.0	0
8	Fault diagnosis of angle grinders and electric impact drills using acoustic signals. Applied Acoustics, 2021, 179, 108070.	1.7	123
9	Impact of Novel Image Preprocessing Techniques on Retinal Vessel Segmentation. Electronics (Switzerland), 2021, 10, 2297.	1.8	5
10	A novel approach based on genetic algorithm to speed up the discovery of classification rules on GPUs. Knowledge-Based Systems, 2021, 231, 107419.	4.0	3
11	Development of novel ensemble model using stacking learning and evolutionary computation techniques for automated hepatocellular carcinoma detection. Biocybernetics and Biomedical Engineering, 2020, 40, 1512-1524.	3.3	27
12	Multistage Segmentation of Prostate Cancer Tissues Using Sample Entropy Texture Analysis. Entropy, 2020, 22, 1370.	1.1	11
13	Pre-treatment growth and IGF-I deficiency as main predictors of response to growth hormone therapy in neural models. Endocrine Connections, 2018, 7, 239-249.	0.8	13
14	Vision-based assessment of viability of acorns using sections of their cotyledons during automated scarification procedure. Bio-Algorithms and Med-Systems, 2018, 14, .	1.0	2
15	Detection and Classification of Pigment Network in Dermoscopic Color Images as One of the 7-Point Checklist Criteria. Advances in Intelligent Systems and Computing, 2018, , 174-181.	0.5	3
16	Some Interesting Phenomenon Occurring During Self-learning Process with Its Psychological Interpretation. Studies in Computational Intelligence, 2018, , 127-139.	0.7	0
17	Automated epidermis segmentation in histopathological images of human skin stained with hematoxylin and eosin. Proceedings of SPIE, 2017, , .	0.8	15
18	Efficiency testing of artificial neural networks in predicting the properties of carbon nanomaterials as potential systems for nervous tissue stimulation and regeneration. Bio-Algorithms and Med-Systems, 2017, 13, 25-35.	1.0	6

#	Article	IF	Citations
19	Automation of the Acorn Scarification Process as a Contribution to Sustainable Forest Management. Case Study: Common Oak. Sustainability, 2017, 9, 2276.	1.6	7
20	Assessment of Selected Parameters of the Automatic Scarification Device as an Example of a Device for Sustainable Forest Management. Sustainability, 2017, 9, 2370.	1.6	9
21	Numerical modelling of GPR electromagnetic fields for locating burial sites. E3S Web of Conferences, 2017, 24, 01002.	0.2	4
22	Colour-Based Binary Discrimination of Scarified Quercus robur Acorns under Varying Illumination. Sensors, 2016, 16, 1319.	2.1	11
23	Application of Neural Network Enhanced Ground-Penetrating Radar to Localization of Burial Sites. Applied Artificial Intelligence, 2016, 30, 844-860.	2.0	13
24	Influence of neural network structure and data-set size on its performance in the prediction of height of growth hormone-treated patients. Bio-Algorithms and Med-Systems, 2016, 12, 53-59.	1.0	0
25	Vision-based detection of events using line-scan camera. , 2016, , .		4
26	Telerehabilitation approach for patients with hand impairment. Acta of Bioengineering and Biomechanics, 2016, 18, 55-62.	0.2	4
27	6. Simulation-based analysis of musculoskeletal system properties. , 2015, , 99-118.		0
28	10. Simulating cancer chemotherapy. , 2015, , 197-206.		0
29	Neural Networks In Mining Sciences â€“ General Overview And Some Representative Examples. Archives of Mining Sciences, 2015, 60, 971-984.	0.6	40
30	Acoustic analysis assessment in speech pathology detection. International Journal of Applied Mathematics and Computer Science, 2015, 25, 631-643.	1.5	32
31	Neural modelling of growth hormone therapy for the prediction of therapy results. Bio-Algorithms and Med-Systems, 2015, 11, 33-45.	1.0	5
32	Design of a teledermatology system to support the consultation of dermoscopic cases using mobile technologies and cloud platform. Bio-Algorithms and Med-Systems, 2015, 11, 53-58.	1.0	7
33	Neural networks as a tool for modeling of biological systems. Bio-Algorithms and Med-Systems, 2015, 11, 135-144.	1.0	36
34	Ant-based extraction of rules in simple decision systems over ontological graphs. International Journal of Applied Mathematics and Computer Science, 2015, 25, 377-387.	1.5	10
35	Neural network models - a novel tool for predicting the efficacy of growth hormone (GH) therapy in children with short stature. Neuroendocrinology Letters, 2015, 36, 348-53.	0.2	4
36	Speaker identification based on artificial neural networks. Case study: the Polish vowel (pilot study). Bio-Algorithms and Med-Systems, 2014, 10, 91-99.	1.0	3

#	Article	IF	Citations
37	Approximation of phenol concentration using novel hybrid computational intelligence methods. International Journal of Applied Mathematics and Computer Science, 2014, 24, 165-181.	1.5	33
38	Tender with Success â€“ The Pairwise Comparisons Approach. Procedia Computer Science, 2014, 35, 1122-1131.	1.2	2
39	Man-Machine Interaction Improvement by Means of Automatic Human Personality Identification. Lecture Notes in Computer Science, 2014, , 278-289.	1.0	3
40	Artificial neural network modelling of the results of tympanoplasty in chronic suppurative otitis media patients. Computers in Biology and Medicine, 2013, 43, 16-22.	3.9	32
41	Assessment of dots and globules in dermoscopic color images as one of the 7-point check list criteria. , 2013, , .		15
42	Hair removal from dermoscopic color images. Bio-Algorithms and Med-Systems, 2013, 9, 53-58.	1.0	15
43	Ant-Based Clustering in Delta Episode Information Systems Based on Temporal Rough Set Flow Graphs. Fundamenta Informaticae, 2013, 128, 143-158.	0.3	5
44	Ant Colony Inspired Clustering Based on the Distribution Function of the Similarity of Attributes. Studies in Computational Intelligence, 2013, , 147-156.	0.7	0
45	Assessment of Asymmetry in Dermoscopic Colour Images of Pigmented Skin Lesions. , 2013, , .		2
46	Research on the changes in voice quality caused by tonsillectomy. Bio-Algorithms and Med-Systems, 2012, 8, 159.	1.0	0
47	New Approach to Prostate Diagnosis - Perfusion CT Images Analysis using "Life Belt" Method. Bio-Algorithms and Med-Systems, 2012, 8, 145.	1.0	0
48	Ant Based Clustering of Two-Class Sets with Well Categorized Objects. Communications in Computer and Information Science, 2012, , 241-250.	0.4	4
49	Classification of Speech Signals through Ant Based Clustering of Time Series. Lecture Notes in Computer Science, 2012, , 335-343.	1.0	1
50	Intelligent Image Content Description and Analysis for 3D Visualizations of Coronary Vessels. Lecture Notes in Computer Science, 2011, , 193-202.	1.0	5
51	Intelligent image content semantic description for cardiac 3D visualisations. Engineering Applications of Artificial Intelligence, 2011, 24, 1410-1418.	4.3	27
52	Intelligent Open Learning Systems. Intelligent Systems Reference Library, 2011, , .	1.0	8
53	The Motivation Model for the Intellectual Capital Increasing in the Knowledge-Base Organization. Studies in Computational Intelligence, 2011, , 47-56.	0.7	2
54	The Use of Strategies of Normalized Correlation in the Ant-Based Clustering Algorithm. Lecture Notes in Computer Science, 2011, , 637-644.	1.0	1

#	Article	IF	Citations
55	Ant Based Clustering of Time Series Discrete Data â€“ A Rough Set Approach. Lecture Notes in Computer Science, 2011, , 645-653.	1.0	5
56	Ant Based Clustering of MMPI Data - An Experimental Study. Lecture Notes in Computer Science, 2011, , 366-375.	1.0	2
57	Use e-learning technology and cybernetic methodology for modern education in the area of prevention of environmental health hazard based on sustainable development. Trace Elements and Electrolytes, 2011, 28, 74-82.	0.1	2
58	Texture analysis in perfusion images of prostate cancerâ€"A case study. International Journal of Applied Mathematics and Computer Science, 2010, 20, 149-156.	1.5	28
59	Towards New Classes of Cognitive Vision Systems. , 2010, , .		2
60	New Classes of UBIAS and E-UBIAS Cognitive Vision Systems. , 2010, , .		1
61	The recruitment and selection of staff problem with an Ant Colony system. , 2010, , .		1
62	Speech in human system interaction. , 2010, , .		7
63	Telemedical System in Evaluation of Auditory Brainsteam Responses and Support of Diagnosis. Lecture Notes in Computer Science, 2010, , 21-28.	1.0	2
64	The Ant Colony Optimization Algorithm for Multiobjective Optimization Non-compensation Model Problem Staff Selection. Lecture Notes in Computer Science, 2010, , 44-53.	1.0	1
65	Earliest Computer Vision Systems in Poland. Advances in Intelligent and Soft Computing, 2010, , 3-13.	0.2	1
66	Notes on a Linguistic Description as the Basis for Automatic Image Understanding. International Journal of Applied Mathematics and Computer Science, 2009, 19, 143-150.	1.5	10
67	Pairwise Comparisons and Visual Perceptions of Equal Area Polygons. Perceptual and Motor Skills, 2009, 108, 37-42.	0.6	9
68	Neural network adaptation process effectiveness dependent of constant training data availability. Neurocomputing, 2009, 72, 3138-3149.	3.5	35
69	Mathematical Linguistics in Cognitive Medical Image Interpretation Systems. Journal of Mathematical Imaging and Vision, 2009, 34, 328-340.	0.8	10
70	Voice as a Key. , 2009, , .		1
71	Cognitive Reasoning in UBIAS Systems Supporting Interpretation of Medical Images. , 2009, , .		1
72	Image Content Analysis for Cardiac 3D Visualizations. Lecture Notes in Computer Science, 2009, , 192-199.	1.0	6

#	Article	IF	Citations
73	Cognitive Information Systems for Medical Pattern Analysis and Diagnosis Support Technologies. Studies in Computational Intelligence, 2009, , 13-19.	0.7	0
74	UBIAS â€“ Type Cognitive Systems for Medical Pattern Interpretation. Lecture Notes in Computer Science, 2009, , 177-183.	1.0	1
75	UBIAS Systems supporting interpretation of radiological images. Studies in Computational Intelligence, 2009, , 413-419.	0.7	0
76	Cognitive techniques in medical information systems. Computers in Biology and Medicine, 2008, 38, 501-507.	3.9	22
77	Decision support systems based on the Life Cycle Inventory for Municipal Solid Waste management under uncertainty. International Transactions in Operational Research, 2008, 15, 103-119.	1.8	6
78	How to select an optimal neural model of chemical reactivity?. Neurocomputing, 2008, 72, 241-256.	3.5	23
79	The automatic understanding approach to systems analysis and design. International Journal of Information Management, 2008, 28, 38-48.	10.5	20
80	Cognitive Modeling in Medical Pattern Semantic Understanding. , 2008, , .		4
81	Assessing the properties of the World Health Organization’s Quality of Life Index. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	1
82	Cognitive Approach to Medical Pattern Recognition, Structure Modelling and Image Understanding. , 2008, , .		2
83	Modern Methods for the Cognitive Analysis of Economic Data and Text Documents and their Application in Enterprise Management. , 2008, , .		1
84	Medical pattern understanding based on cognitive linguistic formalisms and computational intelligence methods. , 2008, , .		1
85	Cognitive Categorization in Medical Structures Modeling and Image Understanding. , 2008, , .		2
86	AI-Cognitive Description in Visual Medical Pattern Mining and Retrieval. , 2008, , .		1
87	Graph-based semantic description and information extraction in analysis of 3D coronary vessels visualizations. Studies in Computational Intelligence, 2008, , 303-309.	0.7	3
88	Cognitive Categorizing in UBIAS Intelligent Medical Information Systems. Studies in Computational Intelligence, 2008, , 75-94.	0.7	4
89	Cognitive Informatics in Automatic Pattern Understanding. , 2007, , .		5
90	Graph-based Linguistic Formalisms in Spatial Modelling of 3D Coronary Vessels. , 2007, , .		1

#	Article	IF	Citations
91	Cognitive Computing in Analysis of 2D/3D Medical Images. , 2007, , .		6
92	A New Approach to the Computer Support of Strategic Decision Making in Enterprises by Means of a New Class of Understanding Based Management Support Systems. , 2007, , .		3
93	Why Automatic Understanding?. Lecture Notes in Computer Science, 2007, , 477-491.	1.0	24
94	Intelligent Web Mining for Semantically Adequate Images. , 2007, , 3-10.		2
95	Graph image language techniques supporting radiological, hand image interpretations. Computer Vision and Image Understanding, 2006, 103, 112-120.	3.0	17
96	Image languages in intelligent radiological palm diagnostics. Pattern Recognition, 2006, 39, 2157-2165.	5.1	50
97	Application of artificial neural networks and DFT-based parameters for prediction of reaction kinetics of ethylbenzene dehydrogenase. Journal of Computer-Aided Molecular Design, 2006, 20, 145-157.	1.3	37
98	Modeling of ECG Interpretation Methods Sharing Based on Human Experts Relations. , 2006, 2006, 4663-6.		1
99	Assessment of electrocardiogram visual interpretation strategy based on scanpath analysis. Physiological Measurement, 2006, 27, 597-608.	1.2	25
100	Cognitive Approach to Visual Data Interpretation in Medical Information and Recognition Systems. Lecture Notes in Computer Science, 2006, , 244-250.	1.0	14
101	Cognitive Computing in Intelligent Medical Pattern Recognition Systems. , 2006, , 851-856.		16
102	Learning in Neural Network â€“ Unusual Effects of â€œArtificial Dreamsâ€• Lecture Notes in Computer Science, 2006, , 211-218.	1.0	4
103	Cognitive Computing in Intelligent Medical Pattern Recognition Systems. , 2006, , 851-856.		0
104	Intelligent Recognition in Medical Pattern Understanding and Cognitive Analysis. , 2005, , 257-274.		1
105	Computational intelligence in solving bioinformatics problems. Artificial Intelligence in Medicine, 2005, 35, 1-8.	3.8	26
106	Nonlinear Processing and Semantic Content Analysis in Medical Imagingâ€”A Cognitive Approach. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2149-2155.	2.4	27
107	Intelligent Semantic Information Retrieval in Medical Pattern Cognitive Analysis. Lecture Notes in Computer Science, 2005, , 852-857.	1.0	17
108	<title>Processing, analysis, recognition, and automatic understanding of medical images</title>. , 2004, 5505, 101.		2

#	Article	IF	Citations
109	Self-Optimizing Neural Networks. Lecture Notes in Computer Science, 2004, , 150-155.	1.0	31
110	Automatic Understanding of Signals. , 2004, , 577-590.		8
111	Picture Languages in Intelligent Retrieval of Visual Data Semantic Information. Lecture Notes in Computer Science, 2004, , 389-396.	1.0	1
112	The New Concept in Computer Vision: Automatic Understanding of the Images. Lecture Notes in Computer Science, 2004, , 133-144.	1.0	2
113	Artificial intelligence structural imaging techniques in visual pattern analysis and medical data understanding. Pattern Recognition, 2003, 36, 2441-2452.	5.1	27
114	Cognitive Vision Systems in Medical Applications. Lecture Notes in Computer Science, 2003, , 116-123.	1.0	3
115	New approach for cognitive analysis and understanding of medical patterns and visualizations. , 2003, , .		1
116	Artificial Intelligence Techniques in Retrieval of Visual Data Semantic Information. , 2003, , 18-27.		6
117	Syntactic reasoning and pattern recognition for analysis of coronary artery images. Artificial Intelligence in Medicine, 2002, 26, 145-159.	3.8	28
118	Advances in syntactic imaging techniques for perception of medical images. Imaging Science Journal, 2001, 49, 113-120.	0.2	7
119	New aspects of using the structural graph-grammar based techniques for recognition of selected medical images. Journal of Digital Imaging, 2001, 14, 231-232.	1.6	9
120	Image Understanding Methods in Biomedical Informatics and Digital Imaging. Journal of Biomedical Informatics, 2001, 34, 377-386.	2.5	15
121	Knowledge discovery approach to automated cardiac SPECT diagnosis. Artificial Intelligence in Medicine, 2001, 23, 149-169.	3.8	209
122	Virtual Teaching on the Basis of Experiments in Computer-Assisted Instruction at the University of Mining and Metallurgy of Cracow. Higher Education in Europe, 2001, 26, 553-566.	0.6	1
123	<title>Hardware-based image processing library for Virtex FPGA</title>. , 2000, 4212, 1.		8
124	The Utilization of Context Signals in the Analysis of ABR Potentials by Application of Neural Networks. Lecture Notes in Computer Science, 2000, , 195-202.	1.0	3
125	Syntactic analysis and languages of shape feature description in computer-aided diagnosis and recognition of cancerous and inflammatory lesions of organs in selected X-ray images. Journal of Digital Imaging, 1999, 12, 24-27.	1.6	12
126	Neural networks: A comprehensive foundation. Control Engineering Practice, 1995, 3, 746-747.	3.2	30

#	Article	IF	Citations
127	Cellular neural networks (with CNNS [Cellular Neural Network Simulator] software â€" ver.3.6). Neurocomputing, 1995, 8, 224-225.	3.5	0
128	Anti-staphylococcal serine proteinase and other serum factors in phagocytosis. Journal of Basic Microbiology, 1990, 30, 341-347.	1.8	0
129	Staphylococcal dermonecrotic reactions in guinea pigs. International Journal of Bio-medical Computing, 1987, 21, 67-74.	0.5	5
130	9. Melanoma thickness prediction. , 0, , .		0
131	Exploring Neural Networks with C#. , 0, , .		13
132	Understanding Based Managing Support Systems. , 0, , 91-102.		1