

Tomas Krilavičius

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

558
citations

933447

10
h-index

713466

21
g-index

50
all docs

50
docs citations

50
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Features of Alzheimer's Disease: Detection of Early Stage from Functional Brain Changes in Magnetic Resonance Images Using a Finetuned ResNet18 Network. <i>Diagnostics</i> , 2021, 11, 1071.	2.6	106
2	Optimized ANFIS Model Using Aquila Optimizer for Oil Production Forecasting. <i>Processes</i> , 2021, 9, 1194.	2.8	75
3	A Review of the Modification Strategies of the Nature Inspired Algorithms for Feature Selection Problem. <i>Mathematics</i> , 2022, 10, 464.	2.2	60
4	A Novel Hybrid Gradient-Based Optimizer and Grey Wolf Optimizer Feature Selection Method for Human Activity Recognition Using Smartphone Sensors. <i>Entropy</i> , 2021, 23, 1065.	2.2	41
5	Detection of Speech Impairments Using Cepstrum, Auditory Spectrogram and Wavelet Time Scattering Domain Features. <i>IEEE Access</i> , 2020, 8, 96162-96172.	4.2	37
6	Composition challenges and approaches for cyber physical systems. , 2010, , .		35
7	A Mobile Application for Smart Computer-Aided Self-Administered Testing of Cognition, Speech, and Motor Impairment. <i>Sensors</i> , 2020, 20, 3236.	3.8	29
8	Deep Learning Based Evaluation of Spermatozoid Motility for Artificial Insemination. <i>Sensors</i> , 2021, 21, 72.	3.8	23
9	Electricity Price Forecasting for Nord Pool Data. , 2018, , .		18
10	The ParlaMint corpora of parliamentary proceedings. <i>Language Resources and Evaluation</i> , 2023, 57, 415-448.	2.7	15
11	Mir-1, miR-122, miR-132, and miR-133 Are Related to Subclinical Aortic Atherosclerosis Associated with Metabolic Syndrome. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1483.	2.6	14
12	Towards a hybrid approach to SoC estimation for a smart Battery Management System (BMS) and battery supported Cyber-Physical Systems (CPS). , 2012, , .		13
13	Mathematical Modeling and Models for Optimal Decision-Making in Health Care. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-4.	1.3	10
14	Improving Power-Conversion Efficiency via a Hybrid MPPT Approach for Photovoltaic Systems. <i>Elektronika Ir Elektrotechnika</i> , 2013, 19, .	0.8	10
15	Simple Computational Method of Predicting Electrical Characteristics in Solar Cells. <i>Elektronika Ir Elektrotechnika</i> , 2014, 20, .	0.8	8
16	Correcting Diacritics and Typos with a ByT5 Transformer Model. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2636.	2.5	8
17	A WSN approach to unmanned aerial surveillance of traffic anomalies: Some challenges and potential solutions. , 2013, , .		7
18	Pedestrian and Animal Recognition Using Doppler Radar Signature and Deep Learning. <i>Sensors</i> , 2022, 22, 3456.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Perceived Benefits, Risks and Trust on Online Shopping Festival. Communications in Computer and Information Science, 2015, , 225-235.	0.5	6
20	News Media Analysis Using Focused Crawl and Natural Language Processing: Case of Lithuanian News Websites. Communications in Computer and Information Science, 2012, , 48-61.	0.5	5
21	Predicting Respiratory Motion for Real-Time Tumour Tracking in Radiotherapy. , 2016, , .		5
22	Cut & recombine: reuse of robot action components based on simple language instructions. International Journal of Robotics Research, 2019, 38, 1179-1207.	8.5	4
23	Artificial Intelligence for Radio Communication Context-Awareness. IEEE Access, 2021, 9, 144820-144856.	4.2	4
24	PROCESS ALGEBRAIC APPROACH TO HYBRID SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 325-330.	0.4	3
25	Modeling and Analysis of Radiation Therapy System with Respiratory Compensation Using Uppaal. , 2011, , .		3
26	Reading Comprehension of Natural Language Instructions by Robots. Communications in Computer and Information Science, 2017, , 288-301.	0.5	3
27	Stability Analysis for Hybrid Automata Using Conservative Gains. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 337-342.	0.4	2
28	On Structural Analysis of Parliamentary Voting Data. Informatica, 2008, 19, 377-390.	2.7	2
29	Case studies with Process Analysis Toolkit (PAT). , 2009, , .		1
30	Topic Classification Problem Solving for Morphologically Complex Languages. Communications in Computer and Information Science, 2016, , 511-524.	0.5	1
31	Automated Analysis of the Content of Selected Open Access Internet Sources as a Tool for Government Decision Making. Baltic Journal of Modern Computing, 2017, 5, .	0.4	1
32	Process algebraic specification of DI circuits. , 2010, , .		1
33	A formal analysis of a car periphery supervision system 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 423-428.	0.4	0
34	Futuretech 2010- DATICS 2010 Welcome Message from the Workshop Organizers. , 2010, , .		0
35	Process algebraic specification of DI circuits. , 2010, , .		0
36	A self-test and self-repair approach for analog integrated circuits. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Improving the teaching of Computer Networks through the incorporation of industry based training courses. , 2013, , .		0
38	Automatic classification of Lithuanian parliament bills. International Journal of Information Technology and Management, 2018, 17, 129.	0.1	0
39	Learning and detection mechanisms of spectral-activity information towards energy efficient 5G communication. , 2018, , .		0
40	Multi-carrier Signal Detection using Convolutional Neural Networks. , 2019, , .		0
41	Behavioural Hybrid Process Calculus for Modelling and Analysis of Hybrid and Electronic Systems. Lecture Notes in Electrical Engineering, 2009, , 429-443.	0.4	0
42	Research on Process Algebraic Analysis Tools for Electronic System Design. Lecture Notes in Electrical Engineering, 2009, , 415-427.	0.4	0
43	FORMAL VERIFICATION AND SYNTHESIS OF NULL CONVENTIONAL LOGIC CIRCUITS. , 2012, , .		0
44	Computing the Lower and Upper Bound Prices for Multi-asset Bermudan Options via Parallel Monte Carlo Simulations. , 2015, , 181-194.		0
45	Automatic classification of Lithuanian parliament bills. International Journal of Information Technology and Management, 2018, 17, 129.	0.1	0
46	Investigation on the Dependencies Between HRV, Physical Training, and Focus of Attention in Virtual Environment. Communications in Computer and Information Science, 2019, , 529-540.	0.5	0
47	Similarities and Differences of Lithuanian Functional Styles: A Quantitative Perspective. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0
48	Development and Research in Lithuanian Language Technologies (2016â€“2020). Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0
49	Reply to Nicholas et al. Using a ResNet-18 Network to Detect Features of Alzheimerâ€™s Disease on Functional Magnetic Resonance Imaging: A Failed Replication. Comment on â€œOdusami et al. Analysis of Features of Alzheimerâ€™s Disease: Detection of Early Stage from Functional Brain Changes in Magnetic Resonance Images Using a Finetuned ResNet18 Network. Diagnostics 2021, 11, 1071â€• Diagnostics, 2022, 12, 1887.	2.6	0