

Dominik Vilimek

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

100
citations

1684188

5
h-index

1372567

10
g-index

22
all docs

22
docs citations

22
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Trends, Construction, and Applications of Smart Textiles and Clothing for Monitoring of Health Activity: A Comprehensive Multidisciplinary Review. IEEE Reviews in Biomedical Engineering, 2022, 15, 36-60.	18.0	21
2	A Comparison of Alternative Approaches to MR Cardiac Triggering: A Pilot Study at 3 Tesla. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2594-2605.	6.3	2
3	Fiber-Optic Breathing Mask: An Alternative Solution for MRI Respiratory Triggering. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	2
4	Does the Achilles Tendon Influence Foot Strike Patterns During an Exhaustive Run?. Journal of Applied Biomechanics, 2022, 38, 263-270.	0.8	1
5	Comparative analysis of wavelet transform filtering systems for noise reduction in ultrasound images. PLoS ONE, 2022, 17, e0270745.	2.5	6
6	Quantitative and Comparative Analysis of Effectivity and Robustness for Enhanced and Optimized Non-Local Mean Filter Combining Pixel and Patch Information on MR Images of Musculoskeletal System. Sensors, 2021, 21, 4161.	3.8	2
7	Analysis and Measurement of Cardiac Output Based on Pulmonary Artery Thermodilution in Laboratory Conditions. IFMBE Proceedings, 2021, , 73-83.	0.3	1
8	Towards to Optimal Wavelet Denoising Schemeâ€”A Novel Spatial and Volumetric Mapping of Wavelet-Based Biomedical Data Smoothing. Sensors, 2020, 20, 5301.	3.8	6
9	A Mechanical Construction Proposal of Rehabilitation Instrument for Measurement and Analysis of Knee Joint Range. , 2020, , .		0
10	Running and Physical Activity in an Air-Polluted Environment: The Biomechanical and Musculoskeletal Protocol for a Prospective Cohort Study 4HAIE (Healthy Aging in Industrial Environmentâ€”Program 4). International Journal of Environmental Research and Public Health, 2020, 17, 9142.	2.6	12
11	A Proposal of Optimal Wavelet Based Smoothing for EGG Signal Trend Detection. Communications in Computer and Information Science, 2020, , 238-248.	0.5	0
12	Quantitative Analysis and Objective Comparison of Clustering Algorithms for Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 114-125.	1.3	0
13	Monitoring and Statistical Evaluation of the Effect of Outpatient Pleoptic-Orthoptic Exercises. Lecture Notes in Computer Science, 2020, , 102-113.	1.3	0
14	A Quantitative and Comparative Analysis of Edge Detectors for Biomedical Image Identification Within Dynamical Noise Effect. Lecture Notes in Computer Science, 2020, , 90-101.	1.3	1
15	Riana â€” A Diagnostic Device for Measurement of Joint Range. , 2020, , .		0
16	Analysis of Enzyme Attachment onto Electrode for Glycemic Measurement. , 2020, , .		0
17	Prediction Model of Alcohol Intoxication from Facial Temperature Dynamics Based on K-Means Clustering Driven by Evolutionary Computing. Symmetry, 2019, 11, 995.	2.2	8
18	Device for Evaluation of Electrical Parameters of Biopotential Electrodes. IFAC-PapersOnLine, 2019, 52, 524-529.	0.9	0

#	ARTICLE	IF	CITATIONS
19	A Proposal of Measuring Telemetry System for Patient Breathing Recording within Radiotherapy. IFAC-PapersOnLine, 2019, 52, 353-358.	0.9	0
20	Biocompatibility of Medical Devices and Their Risks. , 2019, , .		1
21	Recent Trends, Technical Concepts and Components of Computer-Assisted Orthopedic Surgery Systems: A Comprehensive Review. Sensors, 2019, 19, 5199.	3.8	33
22	Current Automatic Methods for Knee Cartilage Segmentation: A Review. , 2019, , .		4