

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, Technical Concepts and Components of Computer-Assisted Orthopedic Surgery Systems: A Comprehensive Review. <i>Sensors</i> , 2019, 19, 5199.	3.8	33
2	Recent Trends, Construction, and Applications of Smart Textiles and Clothing for Monitoring of Health Activity: A Comprehensive Multidisciplinary Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2022, 15, 36-60.	18.0	21
3	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). <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9142.	2.6	12
4	Prediction Model of Alcohol Intoxication from Facial Temperature Dynamics Based on K-Means Clustering Driven by Evolutionary Computing. <i>Symmetry</i> , 2019, 11, 995.	2.2	8
5	Towards to Optimal Wavelet Denoising Schemeâ€™A Novel Spatial and Volumetric Mapping of Wavelet-Based Biomedical Data Smoothing. <i>Sensors</i> , 2020, 20, 5301.	3.8	6
6	Comparative analysis of wavelet transform filtering systems for noise reduction in ultrasound images. <i>PLoS ONE</i> , 2022, 17, e0270745.	2.5	6
7	Current Automatic Methods for Knee Cartilage Segmentation: A Review. , 2019, , .		4
8	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. <i>Sensors</i> , 2021, 21, 4161.	3.8	2
9	A Comparison of Alternative Approaches to MR Cardiac Triggering: A Pilot Study at 3 Tesla. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2594-2605.	6.3	2
10	Fiber-Optic Breathing Mask: An Alternative Solution for MRI Respiratory Triggering. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-13.	4.7	2
11	Biocompatibility of Medical Devices and Their Risks. , 2019, , .		1
12	A Quantitative and Comparative Analysis of Edge Detectors for Biomedical Image Identification Within Dynamical Noise Effect. <i>Lecture Notes in Computer Science</i> , 2020, , 90-101.	1.3	1
13	Analysis and Measurement of Cardiac Output Based on Pulmonary Artery Thermodilution in Laboratory Conditions. <i>IFMBE Proceedings</i> , 2021, , 73-83.	0.3	1
14	Does the Achilles Tendon Influence Foot Strike Patterns During an Exhaustive Run?. <i>Journal of Applied Biomechanics</i> , 2022, 38, 263-270.	0.8	1
15	Device for Evaluation of Electrical Parameters of Biopotential Electrodes. <i>IFAC-PapersOnLine</i> , 2019, 52, 524-529.	0.9	0
16	A Proposal of Measuring Telemetry System for Patient Breathing Recording within Radiotherapy. <i>IFAC-PapersOnLine</i> , 2019, 52, 353-358.	0.9	0
17	A Mechanical Construction Proposal of Rehabilitation Instrument for Measurement and Analysis of Knee Joint Range. , 2020, , .		0
18	A Proposal of Optimal Wavelet Based Smoothing for ECG Signal Trend Detection. <i>Communications in Computer and Information Science</i> , 2020, , 238-248.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Quantitative Analysis and Objective Comparison of Clustering Algorithms for Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 114-125.	1.3	0
20	Monitoring and Statistical Evaluation of the Effect of Outpatient Pleoptic-Orthoptic Exercises. Lecture Notes in Computer Science, 2020, , 102-113.	1.3	0
21	Riana – A Diagnostic Device for Measurement of Joint Range. , 2020, , .		0
22	Analysis of Enzyme Attachment onto Electrode for Glycemic Measurement. , 2020, , .		0