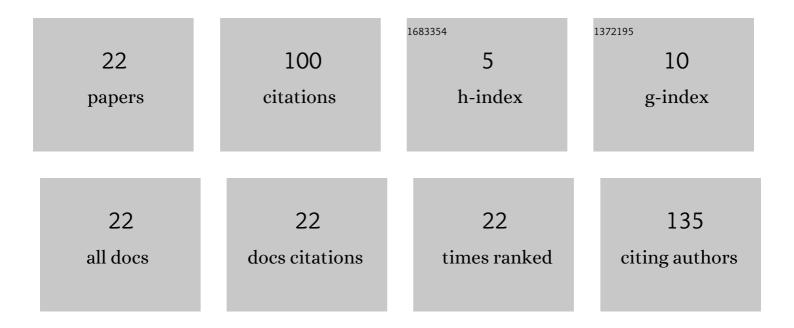
Dominik Vilimek

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent Trends, Technical Concepts and Components of Computer-Assisted Orthopedic Surgery Systems: A Comprehensive Review. Sensors, 2019, 19, 5199.	2.1	33
2	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.	13.1	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 Environment—Program 4). International Journal of Environmental Research and Public Health, 2020, 17, 9142.	1.2	12
4	Prediction Model of Alcohol Intoxication from Facial Temperature Dynamics Based on K-Means Clustering Driven by Evolutionary Computing. Symmetry, 2019, 11, 995.	1.1	8
5	Towards to Optimal Wavelet Denoising Scheme—A Novel Spatial and Volumetric Mapping of Wavelet-Based Biomedical Data Smoothing. Sensors, 2020, 20, 5301.	2.1	6
6	Comparative analysis of wavelet transform filtering systems for noise reduction in ultrasound images. PLoS ONE, 2022, 17, e0270745.	1.1	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. Sensors, 2021, 21, 4161.	2.1	2
9	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.	3.9	2
10	Fiber-Optic Breathing Mask: An Alternative Solution for MRI Respiratory Triggering. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	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. Lecture Notes in Computer Science, 2020, , 90-101.	1.0	1
13	Analysis and Measurement of Cardiac Output Based on Pulmonary Artery Thermodilution in Laboratory Conditions. IFMBE Proceedings, 2021, , 73-83.	0.2	1
14	Does the Achilles Tendon Influence Foot Strike Patterns During an Exhaustive Run?. Journal of Applied Biomechanics, 2022, 38, 263-270.	0.3	1
15	Device for Evaluation of Electrical Parameters of Biopotential Electrodes. IFAC-PapersOnLine, 2019, 52, 524-529.	0.5	Ο
16	A Proposal of Measuring Telemetry System for Patient Breathing Recording within Radiotherapy. IFAC-PapersOnLine, 2019, 52, 353-358.	0.5	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 EGG Signal Trend Detection. Communications in Computer and Information Science, 2020. , 238-248.	0.4	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.	1.0	0
20	Monitoring and Statistical Evaluation of the Effect of Outpatient Pleoptic-Orthoptic Exercises. Lecture Notes in Computer Science, 2020, , 102-113.	1.0	0
21	Riana – A Diagnostic Device for Measurement of Joint Range. , 2020, , .		Ο
22	Analysis of Enzyme Attachment onto Electrode for Glycemic Measurement. , 2020, , .		0