

Jan Havlák

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

85
citations

1937685

4
h-index

1720034

7
g-index

39
all docs

39
docs citations

39
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in mean arterial pressure of young and elderly people measured by oscillometry during inflation and deflation of the arm cuff. Biomedizinische Technik, 2016, 61, 611-621.	0.8	10
2	A Flexible Thermoelectric Generator Worn on the Leg to Harvest Body Heat Energy and to Recognize Motor Activities: A Preliminary Study. IEEE Access, 2021, 9, 20878-20892.	4.2	10
3	Noninvasive Assessment of Aortic Pulse Wave Velocity by the Brachial Occlusion-Cuff Technique: Comparative Study. Sensors, 2019, 19, 3467.	3.8	9
4	Human Body Motions Classification. IFMBE Proceedings, 2009, , 80-84.	0.3	6
5	Thumb Motion Classification using Discrimination Functions. , 2006, , .		5
6	Initial Analysis of the EEG Signal Processing Methods for Studying Correlations between Muscle and Brain Activity. Lecture Notes in Computer Science, 2010, , 220-225.	1.3	4
7	Laboratory kit for pulse oximetry. , 2010, , .		3
8	Device for long term measurement of heart rate. , 2011, , .		3
9	Parameterization of the Tremor Signal from Accelerometers in Multiple Sclerosis. , 2021, , .		3
10	Visceral Fat Accumulation Is Related to Impaired Pancreatic Blood Perfusion and Beta-Cell Dysfunction in Obese Women. Annals of Nutrition and Metabolism, 2021, 77, 344-349.	1.9	3
11	Telemetry Physical Activity Monitoring â€”in Minipigâ€™s Model of Huntingtonâ€™s Disease. Ceska A Slovenska Neurologie A Neurochirurgie, 2015, 78/111, 39-42.	0.1	3
12	The Database of the Cardiovascular System Related Signals. Lecture Notes in Computer Science, 2012, , 169-170.	1.3	3
13	Breathing Friend: Tackling Stress Through Portable Tangible Breathing Artifact. Lecture Notes in Computer Science, 2017, , 106-115.	1.3	3
14	Patient Monitoring Using Bioimpedance Signal. Lecture Notes in Computer Science, 2012, , 171-172.	1.3	2
15	Laboratory Kit for Oscillometry Measurement of Blood Pressure. Lecture Notes in Computer Science, 2010, , 215-219.	1.3	2
16	The Evaluation of the Tremor: Signal Database of Healthy Control Subjects. IFMBE Proceedings, 2019, , 547-550.	0.3	2
17	Modular development telemonitoring system. , 2012, , .		1
18	Student projects in assistive technologies. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Detection of artifacts in oscillometric pulsations signals. , 2014, , .		1
20	Design and realization of measuring device for tremor evaluation. , 2015, , .		1
21	System Approach to AAL Applications: A Case Study. Lecture Notes in Computer Science, 2011, , 151-158.	1.3	1
22	Telemedicine: New Approach to Modern Education of Medical Electronics. IFMBE Proceedings, 2011, , 1389-1392.	0.3	1
23	VERIFICATION OF CLINICAL ACCURACY OF AUTOMATED NON-INVASIVE SPHYGMOMANOMETERS: IS IT APPROPRIATE TO USE BLOOD PRESSURE SIMULATORS?. Lekar A Technika, 2020, 50, 5-11.	0.1	1
24	Possibilities of using thermoelectric generators (TEG) for producing electrical energy by living subjects. , 2020, , .		1
25	Measurement of hemodynamic parameters. , 2011, , .		0
26	Case studies of students' involvement in research. , 2013, , .		0
27	Adaptive mechanical model of cardiovascular system regulatory processes. , 2014, , .		0
28	C13â€¦Physical activity monitoring of transgenic minipigs using telemetric accelerometer. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A31.2-A31.	1.9	0
29	Comparison of home blood pressure measurement devices in real conditions. , 2018, , .		0
30	Assistive Technologies: Project-Based Education. IFMBE Proceedings, 2013, , 1687-1690.	0.3	0
31	Interoperability of Medical Devices and Information Systems. , 2013, , 749-762.		0
32	Adaptive Model of Cardiovascular System: Realization and Signal Database. Lecture Notes in Computer Science, 2013, , 112-113.	1.3	0
33	Comparison of Home Blood Pressure Measurement Devices on Artificial Signals. IFMBE Proceedings, 2019, , 941-944.	0.3	0