

# Karel Hana

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4839937/publications.pdf>

Version: 2024-02-01

24  
papers

139  
citations

1937685

4  
h-index

1588992

8  
g-index

25  
all docs

25  
docs citations

25  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of heart rate as the main stress indicator in aircraft pilots. , 2014, , .		26
2	Detecting of Fatigue States of a Car Driver. Lecture Notes in Computer Science, 2000, , 260-273.	1.3	22
3	New methods for precise detection of systolic complexes in the signal acquired from quantitative seismocardiograph. , 0, , .		13
4	FlexiGuard: Modular biotelemetry system for military applications. , 2015, , .		13
5	Wearable systems for monitoring the health condition of soldiers: Review and application. , 2017, , .		13
6	Evaluation of relationship between the activity of upper limb and the piloting precision. , 2014, , .		8
7	Postural instability assessment using trunk acceleration frequency analysis. European Journal of Physiotherapy, 2016, 18, 237-244.	1.3	6
8	Physiological Data Monitoring of Members of Air Forces During Training on Simulators. IFMBE Proceedings, 2019, , 855-860.	0.3	6
9	Compensation of the contrast and brightness attenuation with depth in confocal microscopy. , 2005, , .		5
10	Volume of confidence ellipsoid: a technique for quantifying trunk sway during stance. Biomedizinische Technik, 2015, 60, 171-6.	0.8	5
11	Wearable Modular Telemetry System for the Integrated Rescue System Operational Use. Journal of Sensors, 2017, 2017, 1-12.	1.1	4
12	Analysis and prediction of upper extremity movements by cyclograms. Open Medicine (Poland), 2014, 9, 814-820.	1.3	3
13	Postural Stability Evaluation of Patients Undergoing Vestibular Schwannoma Microsurgery Employing the Inertial Measurement Unit. Journal of Healthcare Engineering, 2018, 2018, 1-10.	1.9	3
14	Measuring of the Energy Expenditure during Balance Training Using Wearable Electronics. Electronics (Switzerland), 2022, 11, 1096.	3.1	3
15	Using a phonocardiography in a pulse wave velocity measurement. , 0, , .		2
16	VOLUME OF CONVEX HULL: A TECHNIQUE FOR QUANTIFYING HUMAN POSTURAL STABILITY. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650013.	0.7	2
17	Using mobile technologies with psychiatric patients: Assessing the potential to reduce risk of developing diseases related to inactivity. , 2017, , .		2
18	Evaluation of the effect of heel lift on postural stability and symmetry of muscle activity. Journal of Back and Musculoskeletal Rehabilitation, 2017, 30, 1037-1044.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Prediction of atrial fibrillation and its successful termination based on recurrence quantification analysis of ECG. , 2016, , .		1
20	Magnetic Resonance Imaging in Biomedical Engineering. AIP Conference Proceedings, 2007, , .	0.4	0
21	Real-time BSPM processing system. IFMBE Proceedings, 2009, , 377-380.	0.3	0
22	Decision Making Process of Hexapods in a Model of Complex Terrains. Acta Polytechnica Hungarica, 2016, 13, .	2.9	0
23	Objectivization of vacuum-compression therapy effects on micro- and macrovascular perfusion in type 2 diabetic patients. Biomedizinische Technik, 2020, 65, 469-476.	0.8	0
24	Flexible Multichannel System for Bioelectrical Fields Analysis. , 2007, , 86-89.		0