

# Hana Charvatova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1131617/publications.pdf>

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16  
papers

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citations

1163117

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996975

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docs citations

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238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Breathing Analysis Using Thermal and Depth Imaging Camera Video Records. <i>Sensors</i> , 2017, 17, 1408.	3.8	56
2	Machine Learning in Rehabilitation Assessment for Thermal and Heart Rate Data Processing. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1209-1214.	4.9	30
3	GPS-based analysis of physical activities using positioning and heart rate cycling data. <i>Signal, Image and Video Processing</i> , 2017, 11, 251-258.	2.7	22
4	Experimental and Numerical Research of the Thermal Properties of a PCM Window Panel. <i>Sustainability</i> , 2017, 9, 1222.	3.2	20
5	Cycling Segments Multimodal Analysis and Classification Using Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 581.	2.5	16
6	Motion Symmetry Evaluation Using Accelerometers and Energy Distribution. <i>Symmetry</i> , 2019, 11, 871.	2.2	13
7	Augmented Reality Implementations in Stomatology. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2929.	2.5	11
8	Computer Simulation of Temperature Distribution during Cooling of the Thermally Insulated Room. <i>Energies</i> , 2018, 11, 3205.	3.1	9
9	Discrimination of cycling patterns using accelerometric data and deep learning techniques. <i>Neural Computing and Applications</i> , 2021, 33, 7603-7613.	5.6	7
10	Evaluation of Accelerometric and Cycling Cadence Data for Motion Monitoring. <i>IEEE Access</i> , 2021, 9, 129256-129263.	4.2	7
11	Computer Simulation of Passive Cooling of Wooden House Covered by Phase Change Material. <i>Energies</i> , 2020, 13, 6065.	3.1	5
12	Motion Assessment for Accelerometric and Heart Rate Cycling Data Analysis. <i>Sensors</i> , 2020, 20, 1523.	3.8	5
13	Interactive software application for calculation of non-stationary heat conduction in a cylindrical body. <i>Computer Applications in Engineering Education</i> , 2013, 21, 89-94.	3.4	3
14	Experimental and Numerical Testing of Possibilities and Limits for Applications of Phase Changed Materials in Buildings. <i>MATEC Web of Conferences</i> , 2019, 292, 01022.	0.2	2
15	Testing of Method for Assessing of Room Thermal Stability. <i>MATEC Web of Conferences</i> , 2017, 125, 02035.	0.2	1
16	Infrared Thermography and Computational Intelligence in Analysis of Facial Video-Records. <i>Communications in Computer and Information Science</i> , 2021, , 635-643.	0.5	0