

# Tero Koivisto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8996813/publications.pdf>

Version: 2024-02-01

14  
papers

491  
citations

933447

10  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

666  
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-end sensor fusion and classification of atrial fibrillation using deep neural networks and smartphone mechanocardiography. <i>Physiological Measurement</i> , 2022, 43, 055004.	2.1	4
2	Mechanocardiography in the Detection of Acute ST Elevation Myocardial Infarction: The MECHANO-STEMI Study. <i>Sensors</i> , 2022, 22, 4384.	3.8	8
3	An instrument for measuring blood pressure and assessing cardiovascular health from the fingertip. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112483.	10.1	28
4	Classification of Atrial Fibrillation and Acute Decompensated Heart Failure Using Smartphone Mechanocardiography: A Multilabel Learning Approach. <i>IEEE Sensors Journal</i> , 2020, 20, 7957-7968.	4.7	22
5	A Computational Framework for Data Fusion in MEMS-Based Cardiac and Respiratory Gating. <i>Sensors</i> , 2019, 19, 4137.	3.8	7
6	Clinical assessment of a non-invasive wearable MEMS pressure sensor array for monitoring of arterial pulse waveform, heart rate and detection of atrial fibrillation. <i>Npj Digital Medicine</i> , 2019, 2, 39.	10.9	104
7	Comprehensive Analysis of Cardiogenic Vibrations for Automated Detection of Atrial Fibrillation Using Smartphone Mechanocardiograms. <i>IEEE Sensors Journal</i> , 2019, 19, 2230-2242.	4.7	22
8	Stand-Alone Heartbeat Detection in Multidimensional Mechanocardiograms. <i>IEEE Sensors Journal</i> , 2019, 19, 234-242.	4.7	40
9	Mobile Phone Detection of Atrial Fibrillation With Mechanocardiography. <i>Circulation</i> , 2018, 137, 1524-1527.	1.6	49
10	A novel dual gating approach using joint inertial sensors: implications for cardiac PET imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 8080-8101.	3.0	11
11	Automated Detection of Atrial Fibrillation Based on Time-Frequency Analysis of Seismocardiograms. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1233-1241.	6.3	65
12	MEMS gating: A new dual gating technique for eliminating motion-related inaccuracies in PET imaging. , 2016, , .		2
13	A real-time approach for heart rate monitoring using a Hilbert transform in seismocardiograms. <i>Physiological Measurement</i> , 2016, 37, 1885-1909.	2.1	75
14	Accelerometer-Based Method for Extracting Respiratory and Cardiac Gating Information for Dual Gating during Nuclear Medicine Imaging. <i>International Journal of Biomedical Imaging</i> , 2014, 2014, 1-11.	3.9	54