

Sinan Hersek

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

609
citations

567281

15
h-index

752698

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g-index

22
all docs

22
docs citations

22
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Methods for Sensing Acoustical Emissions From the Knee for Wearable Joint Health Assessment. IEEE Transactions on Biomedical Engineering, 2016, 63, 1581-1590.	4.2	76
2	A Wearable Patch to Enable Long-Term Monitoring of Environmental, Activity and Hemodynamics Variables. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 280-288.	4.0	75
3	Wearable Vector Electrical Bioimpedance System to Assess Knee Joint Health. IEEE Transactions on Biomedical Engineering, 2017, 64, 2353-2360.	4.2	60
4	Performance Analysis of Gyroscope and Accelerometer Sensors for Seismocardiography-Based Wearable Pre-Ejection Period Estimation. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2365-2374.	6.3	44
5	Robust Longitudinal Ankle Edema Assessment Using Wearable Bioimpedance Spectroscopy. IEEE Transactions on Biomedical Engineering, 2020, 67, 1019-1029.	4.2	37
6	A Robust System for Longitudinal Knee Joint Edema and Blood Flow Assessment Based on Vector Bioimpedance Measurements. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 545-555.	4.0	36
7	Acoustical Emission Analysis by Unsupervised Graph Mining: A Novel Biomarker of Knee Health Status. IEEE Transactions on Biomedical Engineering, 2018, 65, 1291-1300.	4.2	31
8	A Deep Neural Network-Based Permanent Magnet Localization for Tongue Tracking. IEEE Sensors Journal, 2019, 19, 9324-9331.	4.7	29
9	Fusing Near-Infrared Spectroscopy With Wearable Hemodynamic Measurements Improves Classification of Mental Stress. IEEE Sensors Journal, 2019, 19, 8522-8531.	4.7	29
10	A Unified Framework for Quality Indexing and Classification of Seismocardiogram Signals. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1080-1092.	6.3	29
11	Quantifying the Consistency of Wearable Knee Acoustical Emission Measurements During Complex Motions. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1265-1272.	6.3	25
12	Using Knee Acoustical Emissions for Sensing Joint Health in Patients With Juvenile Idiopathic Arthritis: A Pilot Study. IEEE Sensors Journal, 2018, 18, 9128-9136.	4.7	23
13	A Globalized Model for Mapping Wearable Seismocardiogram Signals to Whole-Body Ballistocardiogram Signals Based on Deep Learning. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1296-1309.	6.3	23
14	Universal Pre-Ejection Period Estimation Using Seismocardiography: Quantifying the Effects of Sensor Placement and Regression Algorithms. IEEE Sensors Journal, 2018, 18, 1665-1674.	4.7	20
15	Wearable Patch-Based Estimation of Oxygen Uptake and Assessment of Clinical Status during Cardiopulmonary Exercise Testing in Patients With Heart Failure. Journal of Cardiac Failure, 2020, 26, 948-958.	1.7	18
16	A Proof-of-Concept System to Analyze Joint Sounds in Real Time for Knee Health Assessment in Uncontrolled Settings. IEEE Sensors Journal, 2016, 16, 2892-2893.	4.7	14
17	Wearable knee health system employing novel physiological biomarkers. Journal of Applied Physiology, 2018, 124, 537-547.	2.5	12
18	Detecting Suspected Pump Thrombosis in Left Ventricular Assist Devices via Acoustic Analysis. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1899-1906.	6.3	11

#	ARTICLE	IF	CITATIONS
19	Modeling Consistent Dynamics of Cardiogenic Vibrations in Low-Dimensional Subspace. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1887-1898.	6.3	8
20	Wearable knee health rehabilitation assessment using acoustical emissions. AIP Conference Proceedings, 2017, , .	0.4	6
21	Proof-of-concept energy-efficient and real-time hemodynamic feature extraction from bioimpedance signals using a mixed-signal field programmable analog array. , 2017, , .		3
22	A finite element model of knee electrical bioimpedance for facilitating edema quantification. , 2017, , .		0