

Mozziyar Etemadi

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

4,260
citations

430874

18
h-index

254184

43
g-index

50
all docs

50
docs citations

50
times ranked

5565
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based artificial intelligence model for identifying swallow types in esophageal high-resolution manometry. <i>Neurogastroenterology and Motility</i> , 2022, 34, e14290.	3.0	7
2	A multi-stage machine learning model for diagnosis of esophageal manometry. <i>Artificial Intelligence in Medicine</i> , 2022, 124, 102233.	6.5	10
3	Estimation of Changes in Intracardiac Hemodynamics Using Wearable Seismocardiography and Machine Learning in Patients With Heart Failure: A Feasibility Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2443-2455.	4.2	20
4	Evaluation and Mitigation of Racial Bias in Clinical Machine Learning Models: Scoping Review. <i>JMIR Medical Informatics</i> , 2022, 10, e36388.	2.6	44
5	The answer at our fingertips: Volume status in cirrhosis determined by machine learning and pulse oximeter waveform. <i>Physiological Reports</i> , 2022, 10, e15223.	1.7	2
6	Preventing Delayed and Missed Care by Applying Artificial Intelligence to Trigger Radiology Imaging Follow-up. <i>NEJM Catalyst</i> , 2022, 3, .	0.7	5
7	Novel Noninvasive Biosensors and Artificial Intelligence for Optimized Heart Failure Management. <i>JACC Basic To Translational Science</i> , 2022, 7, 316-318.	4.1	3
8	Estimation of Instantaneous Oxygen Uptake During Exercise and Daily Activities Using a Wearable Cardio-Electromechanical and Environmental Sensor. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 634-646.	6.3	28
9	Wearable Cuff-Less Blood Pressure Estimation at Home via Pulse Transit Time. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1926-1937.	6.3	53
10	A deep-learning-based unsupervised model on esophageal manometry using variational autoencoder. <i>Artificial Intelligence in Medicine</i> , 2021, 112, 102006.	6.5	19
11	Amalgamation of cloud-based colonoscopy videos with patient-level metadata to facilitate large-scale machine learning. <i>Endoscopy International Open</i> , 2021, 09, E233-E238.	1.8	2
12	Non-Invasive Wearable Patch Utilizing Seismocardiography for Peri-Operative Use in Surgical Patients. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1572-1582.	6.3	17
13	Deep learning for distinguishing normal versus abnormal chest radiographs and generalization to two unseen diseases tuberculosis and COVID-19. <i>Scientific Reports</i> , 2021, 11, 15523.	3.3	22
14	Enabling Continuous Wearable Reflectance Pulse Oximetry at the Sternum. <i>Biosensors</i> , 2021, 11, 521.	4.7	16
15	Classification of Decompensated Heart Failure From Clinical and Home Ballistocardiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1303-1313.	4.2	30
16	Seismocardiography and 4D flow MRI reveal impact of aortic valve replacement on chest acceleration and aortic hemodynamics. <i>Journal of Cardiac Surgery</i> , 2020, 35, 232-235.	0.7	3
17	International evaluation of an AI system for breast cancer screening. <i>Nature</i> , 2020, 577, 89-94.	27.8	1,458
18	Wearable Patch-Based Estimation of Oxygen Uptake and Assessment of Clinical Status during Cardiopulmonary Exercise Testing in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2020, 26, 948-958.	1.7	18

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19	Detecting Aortic Valve-Induced Abnormal Flow with Seismocardiography and Cardiac MRI. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1779-1792.	2.5	12
20	Preventing Intraoperative Hypotension. <i>Anesthesiology</i> , 2020, 133, 1170-1172.	2.5	5
21	A Wearable, Multimodal Sensing System to Monitor Knee Joint Health. <i>IEEE Sensors Journal</i> , 2020, 20, 10323-10334.	4.7	47
22	Seismocardiography and Machine Learning Algorithms to Assess Clinical Status of Patients with Heart Failure in Cardiopulmonary Exercise Testing. <i>Journal of Cardiac Failure</i> , 2019, 25, S64-S65.	1.7	5
23	End-to-end lung cancer screening with three-dimensional deep learning on low-dose chest computed tomography. <i>Nature Medicine</i> , 2019, 25, 954-961.	30.7	1,122
24	Incorporating Intra-Operative Medication Information for Prediction of Post-Operative Atrial Fibrillation. , 2019, , .		0
25	Effects Upon Postoperative Atrial Fibrillation Prediction of Varied Observation Time Windows. , 2019, , .		0
26	Novel Wearable Seismocardiography and Machine Learning Algorithms Can Assess Clinical Status of Heart Failure Patients. <i>Circulation: Heart Failure</i> , 2018, 11, e004313.	3.9	136
27	Wearable ballistocardiogram and seismocardiogram systems for health and performance. <i>Journal of Applied Physiology</i> , 2018, 124, 452-461.	2.5	45
28	Seismocardiography Can Assess Cardiopulmonary Exercise Test Parameters in Patients with Heart Failure. <i>Journal of Cardiac Failure</i> , 2018, 24, S124-S125.	1.7	4
29	Quantifying and Reducing Motion Artifacts in Wearable Seismocardiogram Measurements During Walking to Assess Left Ventricular Health. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1277-1286.	4.2	61
30	Using Ballistocardiography to Monitor Left Ventricular Function in Heart Failure Patients. <i>Journal of Cardiac Failure</i> , 2016, 22, S45.	1.7	11
31	A Wearable Patch to Enable Long-Term Monitoring of Environmental, Activity and Hemodynamics Variables. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016, 10, 280-288.	4.0	75
32	MyPectus: First-in-human pilot study of remote compliance monitoring of teens using dynamic compression bracing to correct pectus carinatum. <i>Journal of Pediatric Surgery</i> , 2016, 51, 608-611.	1.6	13
33	Toward Continuous, Noninvasive Assessment of Ventricular Function and Hemodynamics: Wearable Ballistocardiography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1435-1442.	6.3	46
34	Ballistocardiography and Seismocardiography: A Review of Recent Advances. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1414-1427.	6.3	529
35	Wearable ballistocardiography: Preliminary methods for mapping surface vibration measurements to whole body forces. , 2014, 2014, 5172-5.		16
36	Quality Factor Optimization of Inductive Antennas for Implantable Pressure Sensors. <i>IEEE Sensors Journal</i> , 2014, 14, 2452-2460.	4.7	9

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37	Antenatal maternally-administered phosphodiesterase type 5 inhibitors normalize eNOS expression in the fetal lamb model of congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2014, 49, 39-45.	1.6	22
38	Rapid and Low-cost Prototyping of Medical Devices Using 3D Printed Molds for Liquid Injection Molding. <i>Journal of Visualized Experiments</i> , 2014, , e51745.	0.3	19
39	Towards BirthAlert™ A Clinical Device Intended for Early Preterm Birth Detection. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3484-3493.	4.2	12
40	Implantable Ultralow Pulmonary Pressure Monitoring System for Fetal Surgery. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 1208-1215.	3.2	3
41	Dynamic tracheal occlusion improves lung morphometrics and function in the fetal lamb model of congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2011, 46, 1150-1157.	1.6	11
42	Rapid Assessment of Cardiac Contractility on a Home Bathroom Scale. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 864-869.	3.2	80
43	Automatic detection of motion artifacts in the ballistocardiogram measured on a modified bathroom scale. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 213-220.	2.8	26
44	Ballistocardiography — A method worth revisiting. , 2011, 2011, 4279-82.		117
45	Cognitive memory: Human and machine. , 2009, , .		4
46	Non-invasive assessment of cardiac contractility on a weighing scale. , 2009, 2009, 6773-6.		21
47	Evaluating the Foot Electromyogram Signal as a Noise Reference for a Bathroom Scale Ballistocardiogram Recorder. , 2008, , .		4