

James Alex Heller

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

487
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	A Wearable, Multimodal Sensing System to Monitor Knee Joint Health. <i>IEEE Sensors Journal</i> , 2020, 20, 10323-10334.	4.7	47
6	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
7	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
8	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
9	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
10	Enabling Continuous Wearable Reflectance Pulse Oximetry at the Sternum. <i>Biosensors</i> , 2021, 11, 521.	4.7	16
11	Detecting Aortic Valve-Induced Abnormal Flow with Seismocardiography and Cardiac MRI. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1779-1792.	2.5	12
12	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