James Alex Heller

List of Publications by Year
in descending order

12	487	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of Instantaneous Oxygen Uptake During Exercise and Daily Activities Using a Wearable Cardio-Electromechanical and Environmental Sensor. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 634-646.	6.3	28
2	Wearable Cuff-Less Blood Pressure Estimation at Home via Pulse Transit Time. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1926-1937.	6.3	53
3	Non-Invasive Wearable Patch Utilizing Seismocardiography for Peri-Operative Use in Surgical Patients. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1572-1582.	6.3	17
4	Enabling Continuous Wearable Reflectance Pulse Oximetry at the Sternum. Biosensors, 2021, 11, 521.	4.7	16
5	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
6	Detecting Aortic Valve-Induced Abnormal Flow with Seismocardiography and Cardiac MRI. Annals of Biomedical Engineering, 2020, 48, 1779-1792.	2.5	12
7	A Wearable, Multimodal Sensing System to Monitor Knee Joint Health. IEEE Sensors Journal, 2020, 20, 10323-10334.	4.7	47
8	Seismocardiography and Machine Learning Algorithms to Assess Clinical Status of Patients with Heart Failure in Cardiopulmonary Exercise Testing. Journal of Cardiac Failure, 2019, 25, S64-S65.	1.7	5
9	Novel Wearable Seismocardiography and Machine Learning Algorithms Can Assess Clinical Status of Heart Failure Patients. Circulation: Heart Failure, 2018, 11, e004313.	3.9	136
10	Quantifying and Reducing Motion Artifacts in Wearable Seismocardiogram Measurements During Walking to Assess Left Ventricular Health. IEEE Transactions on Biomedical Engineering, 2017, 64, 1277-1286.	4.2	61
11	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
12	Rapid and Low-cost Prototyping of Medical Devices Using 3D Printed Molds for Liquid Injection Molding. Journal of Visualized Experiments, 2014, , e51745.	0.3	19