

Espen W Remme

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,614
citations

687363

13
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

2414
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-throughput study of visceral organs in CT-scanned pigs. Scientific Reports, 2022, 12, .	3.3	1
2	Automatic Detection of Aortic Valve Events Using Deep Neural Networks on Cardiac Signals From Epicardially Placed Accelerometer. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4450-4461.	6.3	1
3	Continuous Estimation of Acute Changes in Preload Using Epicardially Attached Accelerometers. IEEE Transactions on Biomedical Engineering, 2021, 68, 2067-2075.	4.2	5
4	Determinants of left atrial reservoir and pump strain and use of atrial strain for evaluation of left ventricular filling pressure. European Heart Journal Cardiovascular Imaging, 2021, 23, 61-70.	1.2	129
5	Myocardial Strain Measured by Epicardial Transducersâ€”Comparison Between Velocity Estimators. Ultrasound in Medicine and Biology, 2021, 47, 1377-1396.	1.5	0
6	Lateral Wall Dysfunction Signals Onset of Progressive Heart Failure in Left Bundle Branch Block. JACC: Cardiovascular Imaging, 2021, 14, 2059-2069.	5.3	7
7	Shortening of timeâ€”toâ€”peak left ventricular pressure rise (Td) in cardiac resynchronization therapy. ESC Heart Failure, 2021, 8, 5222-5236.	3.1	7
8	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2021, , .	1.2	1
9	The â€”Digital Twinâ€”™ to enable the vision of precision cardiology. European Heart Journal, 2020, 41, 4556-4564.	2.2	319
10	Mechanical Effects on Right Ventricular Function From Left Bundle Branch Block and Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2020, 13, 1475-1484.	5.3	14
11	Left bundle branch block increases left ventricular diastolic pressure during tachycardia due to incomplete relaxation. Journal of Applied Physiology, 2020, 128, 729-738.	2.5	2
12	Estimating Regional Myocardial Contraction Using Miniature Transducers on the Epicardium. Ultrasound in Medicine and Biology, 2019, 45, 2958-2969.	1.5	2
13	Mechanism of Abnormal Septal Motion in Left Bundle Branch Block. JACC: Cardiovascular Imaging, 2019, 12, 2402-2413.	5.3	44
14	Comparison of two methods for mechanical activation detection using high frame rate ultrasound imaging. , 2019, , .		2
15	Left ventricular end-systolic volume is a more sensitive marker of acute response to cardiac resynchronization therapy than contractility indices: insights from an experimental study. Europace, 2019, 21, 347-355.	1.7	9
16	Validation of a Holographic Display for Quantification of Mitral Annular Dynamics by Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2019, 32, 303-316.e4.	2.8	3
17	Afterload Hypersensitivity in Patients With Left Bundle Branch Block. JACC: Cardiovascular Imaging, 2019, 12, 967-977.	5.3	34
18	Dysfunction of the systemic right ventricle after atrial switch: physiological implications of altered septal geometry and load. Journal of Applied Physiology, 2018, 125, 1482-1489.	2.5	9

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19	Estimating Left Ventricular Filling Pressure by Echocardiography. Journal of the American College of Cardiology, 2017, 69, 1937-1948.	2.8	298
20	Gravity Compensation Method for Combined Accelerometer and Gyro Sensors Used in Cardiac Motion Measurements. Annals of Biomedical Engineering, 2017, 45, 1292-1304.	2.5	8
21	Geometry as a Confounder When Assessing Ventricular Systolic Function. Journal of the American College of Cardiology, 2017, 70, 942-954.	2.8	345
22	Velocity resolution improvement for high temporal resolution ultrasonic transducer. , 2017, , .		0
23	Velocity resolution improvement for high temporal resolution ultrasonic transducer. , 2017, , .		0
24	Non-invasive myocardial work index identifies acute coronary occlusion in patients with non-ST-segment elevation-acute coronary syndrome. European Heart Journal Cardiovascular Imaging, 2015, 16, 1247-1255.	1.2	152
25	Continuous monitoring of cardiac function by 3-dimensional accelerometers in a closed-chest pig model. Interactive Cardiovascular and Thoracic Surgery, 2015, 21, 573-582.	1.1	9
26	Factors determining the magnitude of the pre-ejection leftward septal motion in left bundle branch block. Europace, 2015, 18, euv381.	1.7	15
27	Elevated inflammatory markers in preeclamptic pregnancies, but no relation to systemic arterial stiffness. Pregnancy Hypertension, 2015, 5, 325-329.	1.4	17
28	Assessment of 3D motion increases the applicability of accelerometers for monitoring left ventricular function. Interactive Cardiovascular and Thoracic Surgery, 2015, 20, 329-337.	1.1	10
29	Beneficial Effect on Cardiac Resynchronization From Left Ventricular Endocardial Pacing Is Mediated by Early Access to High Conduction Velocity Tissue. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1164-1172.	4.8	47
30	Cardiac responses to left ventricular pacing in hearts with normal electrical conduction: beneficial effect of improved filling is counteracted by dyssynchrony. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H370-H378.	3.2	6
31	Early systolic lengthening may identify minimal myocardial damage in patients with non-ST-elevation acute coronary syndrome. European Heart Journal Cardiovascular Imaging, 2014, 15, 1152-1160.	1.2	28
32	A computational pipeline for quantification of mouse myocardial stiffness parameters. Computers in Biology and Medicine, 2014, 53, 65-75.	7.0	13
33	Simulation model of cardiac three dimensional accelerometer measurements. Medical Engineering and Physics, 2012, 34, 990-998.	1.7	5
34	Transmural myocardial strain distribution measured at high spatial and temporal resolution. , 2011, , .		2
35	Mechanics of left ventricular relaxation, early diastolic lengthening, and suction investigated in a mathematical model. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1678-H1687.	3.2	28
36	Automatic real-time detection of myocardial ischemia by epicardial accelerometer. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1026-1032.	0.8	22

#	ARTICLE	IF	CITATIONS
37	The validation of cardiac accelerometer sensor measurements. <i>Physiological Measurement</i> , 2009, 30, 1429-1444.	2.1	20