Zhinuo J Wang

List of Publications by Year
in descending order

11	321	1163117 8	1372567 10
papers	citations	h-index	g-index

14	14	14	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Verification of cardiac mechanics software: benchmark problems and solutions for testing active and passive material behaviour. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150641.	2.1	80
2	In-silico human electro-mechanical ventricular modelling and simulation for drug-induced pro-arrhythmia and inotropic risk assessment. Progress in Biophysics and Molecular Biology, 2021, 159, 58-74.	2.9	55
3	Sensitivity analysis of a strongly-coupled human-based electromechanical cardiac model: Effect of mechanical parameters on physiologically relevant biomarkers. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112762.	6.6	52
4	Electrophysiological and Contractile Effects of Disopyramide in Patients With Obstructive Hypertrophic Cardiomyopathy. JACC Basic To Translational Science, 2019, 4, 795-813.	4.1	35
5	Left Ventricular Diastolic Myocardial Stiffness and End-Diastolic Myofibre Stress in Human Heart Failure Using Personalised Biomechanical Analysis. Journal of Cardiovascular Translational Research, 2018, 11, 346-356.	2.4	34
6	COSMAS: a lightweight toolbox for cardiac optical mapping analysis. Scientific Reports, 2021, 11, 9147.	3.3	20
7	Inference of ventricular activation properties from non-invasive electrocardiography. Medical Image Analysis, 2021, 73, 102143.	11.6	19
8	Human biventricular electromechanical simulations on the progression of electrocardiographic and mechanical abnormalities in post-myocardial infarction. Europace, 2021, 23, i143-i152.	1.7	15
9	Efficient estimation of loadâ€free left ventricular geometry and passive myocardial properties using principal component analysis. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3313.	2.1	7
10	Sensitivity of Myocardial Stiffness Estimates to Inter-observer Variability in LV Geometric Modelling. Lecture Notes in Computer Science, 2021, , 287-295.	1.3	1
11	Effects of Fibre Orientation on Electrocardiographic and Mechanical Functions in a Computational Human Biventricular Model. Lecture Notes in Computer Science, 2021, , 351-361.	1.3	0