Kedar Aras

List of Publications by Year
in descending order

22 papers	707 citations	840119 11 h-index	839053 18 g-index
25 all docs	25 docs citations	25 times ranked	775 citing authors

#	Article	IF	Citations
1	Catheter-integrated soft multilayer electronic arrays for multiplexed sensing and actuation during cardiac surgery. Nature Biomedical Engineering, 2020, 4, 997-1009.	11.6	175
2	Photocurable bioresorbable adhesives as functional interfaces between flexible bioelectronic devices and soft biological tissues. Nature Materials, 2021, 20, 1559-1570.	13.3	114
3	A transient, closed-loop network of wireless, body-integrated devices for autonomous electrotherapy. Science, 2022, 376, 1006-1012.	6.0	90
4	From Genes to Organisms Via the Cell: A Problem-Solving Environment for Multicellular Development. Computing in Science and Engineering, 2007, 9, 50-60.	1.2	61
5	Experimental Data and Geometric Analysis Repositoryâ€"EDGAR. Journal of Electrocardiology, 2015, 48, 975-981.	0.4	58
6	RHYTHM: An Open Source Imaging Toolkit for Cardiac Panoramic Optical Mapping. Scientific Reports, 2018, 8, 2921.	1.6	58
7	PFEIFER: Preprocessing Framework for Electrograms Intermittently Fiducialized from Experimental Recordings. Journal of Open Source Software, 2018, 3, 472.	2.0	34
8	Spatial organization of acute myocardial ischemia. Journal of Electrocardiology, 2016, 49, 323-336.	0.4	28
9	Genetic algorithm-based personalized models of human cardiac action potential. PLoS ONE, 2020, 15, e0231695.	1.1	19
10	Sensitivity of epicardial electrical markers to acute ischemia detection. Journal of Electrocardiology, 2014, 47, 836-841.	0.4	16
11	Secretome of atrial epicardial adipose tissue facilitates reentrant arrhythmias by myocardial remodeling. Heart Rhythm, 2022, 19, 1461-1470.	0.3	13
12	Image-based modeling of acute myocardial ischemia using experimentally derived ischemic zone source representations. Journal of Electrocardiology, 2018, 51, 725-733.	0.4	12
13	Electrophysiology and Arrhythmogenesis in the Human Right Ventricular Outflow Tract. Circulation: Arrhythmia and Electrophysiology, 2022, 15, CIRCEP121010630.	2.1	11
14	Chromatin Accessibility of Human Mitral Valves and Functional Assessment of MVP Risk Loci. Circulation Research, 2021, 128, e84-e101.	2.0	10
15	Hardwareâ€Mappable Cellular Neural Networks for Distributed Wavefront Detection in Nextâ€Generation Cardiac Implants. Advanced Intelligent Systems, 2022, 4, .	3.3	3
16	Verification of a Defibrillation Simulation Using Internal Electric Fields in a Human Shaped Phantom. Computing in Cardiology, 2014, 2014, 689-692.	0.4	1
17	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0
18	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0

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19	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0
20	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0
21	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0
22	Genetic algorithm-based personalized models of human cardiac action potential. , 2020, 15, e0231695.		0