

Makarand Deo

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

864
citations

623734

14
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1461
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Classification of PCB Defects using Deep Learning Methods. , 2022, , .		1
2	An in silico hiPSC-Derived Cardiomyocyte Model Built With Genetic Algorithm. <i>Frontiers in Physiology</i> , 2021, 12, 675867.	2.8	8
3	Role of the rapid delayed rectifier K current in human induced pluripotent stem cells derived cardiomyocytes. , 2020, 1, 14-18.		1
4	Mechanisms by Which Ranolazine Terminates Paroxysmal but Not Persistent Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e005557.	4.8	10
5	Delayed afterdepolarization-induced triggered activity in cardiac purkinje cells mediated through cytosolic calcium diffusion waves. <i>Physiological Reports</i> , 2019, 7, e14296.	1.7	3
6	Calcium Dynamics and Cardiac Arrhythmia. <i>Clinical Medicine Insights: Cardiology</i> , 2017, 11, 117954681773952.	1.8	11
7	Role of Cytosolic Calcium Diffusion in Murine Cardiac Purkinje Cells. <i>Clinical Medicine Insights: Cardiology</i> , 2016, 10s1, CMC.S39705.	1.8	3
8	Constitutive Intracellular Na ⁺ Excess in Purkinje Cells Promotes Arrhythmogenesis at Lower Levels of Stress Than Ventricular Myocytes From Mice With Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2016, 133, 2348-2359.	1.6	22
9	Effects of Fibrosis Morphology on Reentrant Ventricular Tachycardia Inducibility and Simulation Fidelity in Patient-Derived Models. <i>Clinical Medicine Insights: Cardiology</i> , 2014, 8s1, CMC.S15712.	1.8	29
10	Accurate reconstruction of 3D cardiac geometry from coarsely-sliced MRI. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 483-493.	4.7	10
11	Fast, accurate, and fully automatic segmentation of the right ventricle in short-axis cardiac MRI. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 190-201.	5.8	60
12	Dominant Frequency Increase Rate Predicts Transition from Paroxysmal to Long-Term Persistent Atrial Fibrillation. <i>Circulation</i> , 2014, 129, 1472-1482.	1.6	144
13	Attraction of Rotors to the Pulmonary Veins in Paroxysmal Atrial Fibrillation: A Modeling Study. <i>Biophysical Journal</i> , 2014, 106, 1811-1821.	0.5	35
14	Reduced Na ⁺ current density underlies impaired propagation in the diabetic rabbit ventricle. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 69, 24-31.	1.9	29
15	The ionic bases of the action potential in isolated mouse cardiac Purkinje cell. <i>Heart Rhythm</i> , 2013, 10, 80-87.	0.7	40
16	<i>KCNJ2</i> mutation in short QT syndrome 3 results in atrial fibrillation and ventricular proarrhythmia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4291-4296.	7.1	130
17	Automated segmentation and reconstruction of patient-specific cardiac anatomy and pathology from <i>in vivo</i> MRI*. <i>Measurement Science and Technology</i> , 2012, 23, 125405.	2.6	14
18	Relative contribution of changes in sodium current versus intercellular coupling on reentry initiation in 2-dimensional preparations of plakophilin-2-deficient cardiac cells. <i>Heart Rhythm</i> , 2011, 8, 1740-1748.	0.7	20

#	ARTICLE	IF	CITATIONS
19	Purkinje-mediated Effects in the Response of Quiescent Ventricles to Defibrillation Shocks. <i>Annals of Biomedical Engineering</i> , 2010, 38, 456-468.	2.5	39
20	A Major Role for hERG in Determining Frequency of Reentry in Neonatal Rat Ventricular Myocyte Monolayer. <i>Circulation Research</i> , 2010, 107, 1503-1511.	4.5	45
21	Arrhythmogenesis by single ectopic beats originating in the Purkinje system. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1002-H1011.	3.2	49
22	A Spatial Gradient in IK1 Density Across the Pulmonary Vein-left Atrial Junction Attracts Atrial Fibrillation (AF) Drivers to the Pulmonary Veins. <i>Heart Rhythm</i> , 2010, 7, 1716-1717.	0.7	0
23	Towards predictive modelling of the electrophysiology of the heart. <i>Experimental Physiology</i> , 2009, 94, 563-577.	2.0	110
24	Arrhythmogenic mechanisms of the Purkinje system during electric shocks: A modeling study. <i>Heart Rhythm</i> , 2009, 6, 1782-1789.	0.7	41
25	Reduced-Order Preconditioning for Bidomain Simulations. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 938-942.	4.2	3