

Rupamanjari Majumder

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

264
citations

1163117

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996975

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docs citations

22
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized Optogenetic Targeting of Rotors in Atrial Cardiomyocyte Monolayers. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	50
2	Optogenetics enables real-time spatiotemporal control over spiral wave dynamics in an excitable cardiac system. <i>ELife</i> , 2018, 7, .	6.0	49
3	Drift and termination of spiral waves in optogenetically modified cardiac tissue at sub-threshold illumination. <i>ELife</i> , 2021, 10, .	6.0	42
4	Optogenetic manipulation of anatomical re-entry by light-guided generation of a reversible local conduction block. <i>Cardiovascular Research</i> , 2017, 113, 354-366.	3.8	31
5	Islands of spatially discordant APD alternans underlie arrhythmogenesis by promoting electrotonic dyssynchrony in models of fibrotic rat ventricular myocardium. <i>Scientific Reports</i> , 2016, 6, 24334.	3.3	22
6	Turbulent electrical activity at sharp-edged inexcitable obstacles in a model for human cardiac tissue. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1024-H1035.	3.2	15
7	A Mathematical Model of Neonatal Rat Atrial Monolayers with Constitutively Active Acetylcholine-Mediated K ⁺ Current. <i>PLoS Computational Biology</i> , 2016, 12, e1004946.	3.2	15
8	Self-restoration of cardiac excitation rhythm by anti-arrhythmic ion channel gating. <i>ELife</i> , 2020, 9, .	6.0	12
9	Pulsed low-energy stimulation initiates electric turbulence in cardiac tissue. <i>PLoS Computational Biology</i> , 2021, 17, e1009476.	3.2	6
10	In silico optical control of pinned electrical vortices in an excitable biological medium. <i>New Journal of Physics</i> , 2020, 22, 023034.	2.9	4
11	Electrophysiological Characterization of Human Atria: The Understated Role of Temperature. <i>Frontiers in Physiology</i> , 2021, 12, 639149.	2.8	4
12	From Disorder to Normal Rhythm: Traveling-Wave Control of Cardiac Arrhythmias. <i>Physical Review Applied</i> , 2022, 17, .	3.8	4
13	Forced fusion of human ventricular scar cells with cardiomyocytes suppresses arrhythmogenicity in a co-culture model. <i>Cardiovascular Research</i> , 2015, 107, 601-612.	3.8	3
14	Anisotropic shortening in the wavelength of electrical waves promotes onset of electrical turbulence in cardiac tissue: An in silico study. <i>PLoS ONE</i> , 2020, 15, e0230214.	2.5	3
15	The effects of inhomogeneities on scroll-wave dynamics in an anatomically realistic mathematical model for canine ventricular tissue. <i>Physics Open</i> , 2021, 9, 100090.	1.5	1
16	Response by Feola et al to Letter Regarding Article, "Localized Optogenetic Targeting of Rotors in Atrial Cardiomyocyte Monolayers". <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006130.	4.8	0