T K Shajahan

List of Publications by Year
in descending order

14	268	1163117 8	1125743 13
papers	citations	h-index	g-index

16	16	16	194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spiral-Wave Turbulence and Its Control in the Presence of Inhomogeneities in Four Mathematical Models of Cardiac Tissue. PLoS ONE, 2009, 4, e4738.	2.5	65
2	Spiral-wave dynamics depend sensitively on inhomogeneities in mathematical models of ventricular tissue. Physical Review E, 2007, 75, 011929.	2.1	55
3	Spiral-Wave Dynamics in a Mathematical Model of Human Ventricular Tissue with Myocytes and Fibroblasts. PLoS ONE, 2013, 8, e72950.	2.5	55
4	Scanning and resetting the phase of a pinned spiral wave using periodic far field pulses. New Journal of Physics, 2016, 18, 043012.	2.9	18
5	Mechanisms of vortices termination in the cardiac muscle. Royal Society Open Science, 2017, 4, 170024.	2.4	18
6	Pacemaker interactions induce reentrant wave dynamics in engineered cardiac culture. Chaos, 2012, 22, 033132.	2.5	15
7	Scaling properties of conduction velocity in heterogeneous excitable media. Physical Review E, 2011, 84, 046208.	2.1	11
8	Theory of unpinning of spiral waves using circularly polarized electric fields in mathematical models of excitable media. Physical Review E, 2020, 102, 032411.	2.1	10
9	VENTRICULAR FIBRILLATION IN A SIMPLE EXCITABLE MEDIUM MODEL OF CARDIAC TISSUE. International Journal of Modern Physics B, 2003, 17, 5645-5654.	2.0	6
10	Entropy Rate Maps of Complex Excitable Dynamics in Cardiac Monolayers. Entropy, 2015, 17, 950-967.	2.2	5
11	Spiral wave unpinning facilitated by wave emitting sites in cardiac monolayers. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190420.	2.1	5
12	Spiralâ€“pacemaker interactions in a mathematical model of excitable medium. New Journal of Physics, 2013, 15, 023028.	2.9	2
13	The Mathematical Modelling of Inhomogeneities in Ventricular Tissue. Understanding Complex Systems, 2009, , 51-67.	0.6	2
14	Eliminating pinned spiral waves in cardiac monolayer by far field pacing. , 2014, , .		1