

# T K Shajahan

## List of Publications by Year in descending order

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14  
papers

268  
citations

1163117

8  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

194  
citing authors

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