Xinfeng Liu

List of Publications by Year
in descending order

10 papers	215 citations	1307594 7 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	300 citing authors

#	Article	IF	Citations
1	Numerical studies of a class of reaction–diffusion equations with Stefan conditions. International Journal of Computer Mathematics, 2020, 97, 959-979.	1.8	8
2	High order integration factor methods for systems with inhomogeneous boundary conditions. Journal of Computational and Applied Mathematics, 2019, 348, 89-102.	2.0	10
3	Stability analysis of mathematical models for nonlinear growth kinetics of breast cancer stem cells. Mathematical Methods in the Applied Sciences, 2017, 40, 5332-5348.	2.3	3
4	Fully Discretized Energy Stable Schemes for Hydrodynamic Equations Governing Two-Phase Viscous Fluid Flows. Journal of Scientific Computing, 2016, 69, 921-945.	2.3	8
5	Mathematical modeling for multisite phosphorylation with scaffold binding in cell signaling. Mathematical Methods in the Applied Sciences, 2015, 38, 4521-4529.	2.3	1
6	Nonlinear Growth Kinetics of Breast Cancer Stem Cells: Implications for Cancer Stem Cell Targeted Therapy. Scientific Reports, 2013, 3, 2473.	3.3	41
7	Protein Scaffolds Can Enhance the Bistability of Multisite Phosphorylation Systems. PLoS Computational Biology, 2012, 8, e1002551.	3.2	24
8	Operator splitting implicit integration factor methods for stiff reaction–diffusion–advection systems. Journal of Computational Physics, 2011, 230, 5996-6009.	3.8	55
9	Compact integration factor methods for complex domains and adaptive mesh refinement. Journal of Computational Physics, 2010, 229, 5692-5706.	3.8	25
10	A Combination of Multisite Phosphorylation and Substrate Sequestration Produces Switchlike Responses. Biophysical Journal, 2010, 98, 1396-1407.	0.5	40