

# Xinfeng Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4904211/publications.pdf>

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