

# Tracy L Stepien

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7986640/publications.pdf>

Version: 2024-02-01

13  
papers

120  
citations

1684188

5  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Analysis of Glioma Growth in a Murine Model. <i>Scientific Reports</i> , 2017, 7, 2508.	3.3	37
2	A data-motivated density-dependent diffusion model of in vitro glioblastoma growth. <i>Mathematical Biosciences and Engineering</i> , 2015, 12, 1157-1172.	1.9	24
3	Traveling Waves of a Go-or-Grow Model of Glioma Growth. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 1778-1801.	1.8	16
4	Moth Mating: Modeling Female Pheromone Calling and Male Navigational Strategies to Optimize Reproductive Success. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6543.	2.5	13
5	TGF-Mediated Dynamics in a System of Many Coupled Nephrons. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 1482-1506.	1.9	9
6	Traveling Waves in a One-Dimensional Elastic Continuum Model of Cell Layer Migration with Stretch-Dependent Proliferation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2014, 13, 1489-1516.	1.6	5
7	Using a continuum model to decipher the mechanics of embryonic tissue spreading from time-lapse image sequences: An approximate Bayesian computation approach. <i>PLoS ONE</i> , 2019, 14, e0218021.	2.5	5
8	Mathematics + Cancer: An Undergraduate "Bridge" Course in Applied Mathematics. <i>SIAM Review</i> , 2020, 62, 244-263.	9.5	3
9	Existence and uniqueness of similarity solutions of a generalized heat equation arising in a model of cell migration. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 35, 3203-3216.	0.9	2
10	Discovering News Frames. <i>International Journal of Multimedia Data Engineering and Management</i> , 2016, 7, 45-62.	0.4	2
11	Discovering News Frames: Exploring Text, Content, and Concepts in Online News Sources to Address Water Insecurity in the Southwest Region. , 2016, , .		1
12	A Multicellular Vascular Model of the Renal Myogenic Response. <i>Processes</i> , 2018, 6, 89.	2.8	1
13	Spreading mechanics and differentiation of astrocytes during retinal development. <i>Journal of Theoretical Biology</i> , 2022, 549, 111208.	1.7	1