Tracy L Stepien

List of Publications by Year
in descending order

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