Christopher R Myers

List of Publications by Citations

21 papers	2,232 citations	12 h-index	22 g-index
22 ext. papers	2,693 ext. citations	6.8 avg, IF	4.67 L-index

#	Paper	IF	Citations
21	Crackling noise. *Nature*, **2001**, 410, 242-50	50.4	836
20	Universally sloppy parameter sensitivities in systems biology models. *PLoS Computational Biology*, **2007**, 3, 1871-78	5	774
19	Perspective: Sloppiness and emergent theories in physics, biology, and beyond. *Journal of Chemical Physics*, **2015**, 143, 010901	3.9	151
18	Sloppiness, robustness, and evolvability in systems biology. *Current Opinion in Biotechnology*, **2008**, 19, 389-95	11.4	130
17	Sloppy-model universality class and the Vandermonde matrix. *Physical Review Letters*, **2006**, 97, 150601	7.4	82
16	Dominant bee species and floral abundance drive parasite temporal dynamics in plant-pollinator communities. *Nature Ecology and Evolution*, **2020**, 4, 1358-1367	12.3	39
15	Landscape simplification shapes pathogen prevalence in plant-pollinator networks. *Ecology Letters*, **2020**, 23, 1212-1222	10	36
14	AlgU Controls Expression of Virulence Genes in Pseudomonas syringae pv. tomato DC3000. *Journal of Bacteriology*, **2016**, 198, 2330-44	3.5	29
13	Multiscale Metabolic Modeling of C4 Plants: Connecting Nonlinear Genome-Scale Models to Leaf-Scale Metabolism in Developing Maize Leaves. *PLoS ONE*, **2016**, 11, e0151722	3.7	28
12	Overshoot during phenotypic switching of cancer cell populations. *Scientific Reports*, **2015**, 5, 15464	4.9	26
11	Two-strain competition in quasineutral stochastic disease dynamics. *Physical Review E*, **2014**, 90, 042149	2.4	22
10	Epidemic fronts in complex networks with metapopulation structure. *Physical Review E*, **2013**, 88, 012809	2.4	16
9	Driven synchronization in random networks of oscillators. *Chaos*, **2015**, 25, 073119	3.3	11
8	Estimating relative changes of metabolic fluxes. *PLoS Computational Biology*, **2014**, 10, e1003958	5	11
7	You can run, you can hide: The epidemiology and statistical mechanics of zombies. *Physical Review E* , **2015**, 92, 052801	2.4	9
6	Genomic plasticity enables phenotypic variation of Pseudomonas syringae pv. tomato DC3000. *PLoS ONE*, **2014**, 9, e86628	3.7	9
5	Using multitype branching processes to quantify statistics of disease outbreaks in zoonotic epidemics. *Physical Review E*, **2014**, 89, 032702	2.4	6

List of Publications

4	A novel method of transcriptome interpretation reveals a quantitative suppressive effect on tomato immune signaling by two domains in a single pathogen effector protein. *BMC Genomics*, **2016**, 17, 229	4.5	5
3	Outbreak statistics and scaling laws for externally driven epidemics. *Physical Review E*, **2014**, 89, 042108	2.4	5
2	Scaling theory of armed-conflict avalanches. *Physical Review E*, **2020**, 102, 042312	2.4	4
1	Fragility of reaction-diffusion models with respect to competing advective processes. *Physical Review E*, **2017**, 96, 022220	2.4	2