

Christopher R Myers

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Landscape simplification shapes pathogen prevalence in plant-pollinator networks. <i>Ecology Letters</i> , 2020 , 23, 1212-1222	10	36
20	Dominant bee species and floral abundance drive parasite temporal dynamics in plant-pollinator communities. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1358-1367	12.3	39
19	Scaling theory of armed-conflict avalanches. <i>Physical Review E</i> , 2020 , 102, 042312	2.4	4
18	Fragility of reaction-diffusion models with respect to competing advective processes. <i>Physical Review E</i> , 2017 , 96, 022220	2.4	2
17	A novel method of transcriptome interpretation reveals a quantitative suppressive effect on tomato immune signaling by two domains in a single pathogen effector protein. <i>BMC Genomics</i> , 2016 , 17, 229	4.5	5
16	AlgU Controls Expression of Virulence Genes in <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Journal of Bacteriology</i> , 2016 , 198, 2330-44	3.5	29
15	Multiscale Metabolic Modeling of C4 Plants: Connecting Nonlinear Genome-Scale Models to Leaf-Scale Metabolism in Developing Maize Leaves. <i>PLoS ONE</i> , 2016 , 11, e0151722	3.7	28
14	You can run, you can hide: The epidemiology and statistical mechanics of zombies. <i>Physical Review E</i> , 2015 , 92, 052801	2.4	9
13	Overshoot during phenotypic switching of cancer cell populations. <i>Scientific Reports</i> , 2015 , 5, 15464	4.9	26
12	Perspective: Slowness and emergent theories in physics, biology, and beyond. <i>Journal of Chemical Physics</i> , 2015 , 143, 010901	3.9	151
11	Driven synchronization in random networks of oscillators. <i>Chaos</i> , 2015 , 25, 073119	3.3	11
10	Two-strain competition in quasineutral stochastic disease dynamics. <i>Physical Review E</i> , 2014 , 90, 042149	2.4	22
9	Genomic plasticity enables phenotypic variation of <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>PLoS ONE</i> , 2014 , 9, e86628	3.7	9
8	Estimating relative changes of metabolic fluxes. <i>PLoS Computational Biology</i> , 2014 , 10, e1003958	5	11
7	Using multitype branching processes to quantify statistics of disease outbreaks in zoonotic epidemics. <i>Physical Review E</i> , 2014 , 89, 032702	2.4	6
6	Outbreak statistics and scaling laws for externally driven epidemics. <i>Physical Review E</i> , 2014 , 89, 042108	2.4	5
5	Epidemic fronts in complex networks with metapopulation structure. <i>Physical Review E</i> , 2013 , 88, 012809	2.4	16

4	Sloppiness, robustness, and evolvability in systems biology. <i>Current Opinion in Biotechnology</i> , 2008 , 19, 389-95	11.4	130
3	Universally sloppy parameter sensitivities in systems biology models. <i>PLoS Computational Biology</i> , 2007 , 3, 1871-78	5	774
2	Sloppy-model universality class and the Vandermonde matrix. <i>Physical Review Letters</i> , 2006 , 97, 150601	7.4	82
1	Crackling noise. <i>Nature</i> , 2001 , 410, 242-50	50.4	836