

# Tyler M Earnest

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3175831/publications.pdf>

Version: 2024-02-01

9

papers

327

citations

1163117

8

h-index

1474206

9

g-index

11

all docs

11

docs citations

11

times ranked

339

citing authors

#	ARTICLE	IF	CITATIONS
1	Essential metabolism for a minimal cell. ELife, 2019, 8, .	6.0	110
2	Fundamental behaviors emerge from simulations of a living minimal cell. Cell, 2022, 185, 345-360.e28.	28.9	66
3	DNA looping increases the range of bistability in a stochastic model of the <i>lac</i> genetic switch. Physical Biology, 2013, 10, 026002.	1.8	40
4	Simulating biological processes: stochastic physics from whole cells to colonies. Reports on Progress in Physics, 2018, 81, 052601.	20.1	32
5	Toward a Whole-Cell Model of Ribosome Biogenesis: Kinetic Modeling of SSU Assembly. Biophysical Journal, 2015, 109, 1117-1135.	0.5	25
6	Single-molecule packaging initiation in real time by a viral DNA packaging machine from bacteriophage T4. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15096-15101.	7.1	22
7	Challenges of Integrating Stochastic Dynamics and Cryo-Electron Tomograms in Whole-Cell Simulations. Journal of Physical Chemistry B, 2017, 121, 3871-3881.	2.6	14
8	Ribosome biogenesis in replicating cells: Integration of experiment and theory. Biopolymers, 2016, 105, 735-751.	2.4	12
9	Hybrid CME-ODE method for efficient simulation of the galactose switch in yeast. IET Systems Biology, 2018, 12, 170-176.	1.5	6