

# David Schnoerr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/355704/publications.pdf>

Version: 2024-02-01

16  
papers

646  
citations

933447

10  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

501  
citing authors

#	ARTICLE	IF	CITATIONS
1	Approximation and inference methods for stochastic biochemical kinetics—a tutorial review. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 093001.	2.1	268
2	Comparison of different moment-closure approximations for stochastic chemical kinetics. <i>Journal of Chemical Physics</i> , 2015, 143, 185101.	3.0	84
3	A Comprehensive Network Atlas Reveals That Turing Patterns Are Common but Not Robust. <i>Cell Systems</i> , 2019, 9, 243-257.e4.	6.2	61
4	Validity conditions for moment closure approximations in stochastic chemical kinetics. <i>Journal of Chemical Physics</i> , 2014, 141, 084103.	3.0	52
5	The complex chemical Langevin equation. <i>Journal of Chemical Physics</i> , 2014, 141, 024103.	3.0	52
6	Exactly solvable models of stochastic gene expression. <i>Journal of Chemical Physics</i> , 2020, 152, 144106.	3.0	31
7	Cox process representation and inference for stochastic reaction–diffusion processes. <i>Nature Communications</i> , 2016, 7, 11729.	12.8	24
8	Turing pattern design principles and their robustness. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200272.	3.4	22
9	Efficient Low-Order Approximation of First-Passage Time Distributions. <i>Physical Review Letters</i> , 2017, 119, 210601.	7.8	13
10	Error estimates and specification parameters for functional renormalization. <i>Annals of Physics</i> , 2013, 334, 83-99.	2.8	10
11	Expectation propagation for continuous time stochastic processes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 494002.	2.1	8
12	Neural field models for latent state inference: Application to large-scale neuronal recordings. <i>PLoS Computational Biology</i> , 2019, 15, e1007442.	3.2	5
13	An alternative route to the system-size expansion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 395003.	2.1	4
14	Time-dependent product-form Poisson distributions for reaction networks with higher order complexes. <i>Journal of Mathematical Biology</i> , 2020, 80, 1919-1951.	1.9	4
15	The design principles of discrete turing patterning systems. <i>Journal of Theoretical Biology</i> , 2021, 531, 110901.	1.7	4
16	Probabilistic Model Checking for Continuous-Time Markov Chains via Sequential Bayesian Inference. <i>Lecture Notes in Computer Science</i> , 2018, , 289-305.	1.3	4