David Schnoerr

List of Publications by Year
in descending order

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