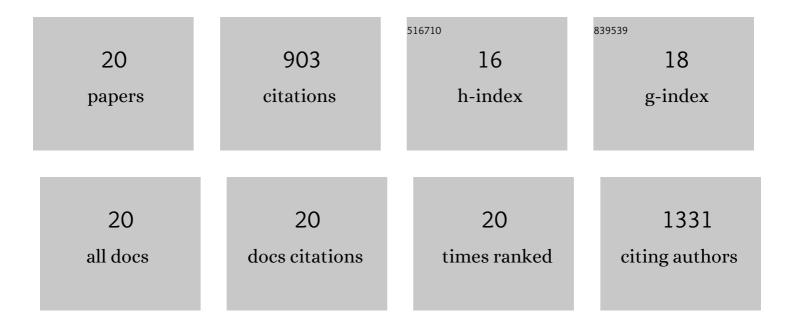
Grant M Rotskoff

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Learning nonequilibrium control forces to characterize dynamical phase transitions. Physical Review E, 2022, 105, 024115.	2.1	18
2	Adaptive Monte Carlo augmented with normalizing flows. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109420119.	7.1	35
3	Probing the theoretical and computational limits of dissipative design. Journal of Chemical Physics, 2021, 155, 194114.	3.0	7
4	Dynamical Computation of the Density of States and Bayes Factors Using Nonequilibrium Importance Sampling. Physical Review Letters, 2019, 122, 150602.	7.8	8
5	Robust nonequilibrium pathways to microcompartment assembly. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6341-6346.	7.1	45
6	Inferring dissipation from current fluctuations. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 184004.	2.1	113
7	Mapping current fluctuations of stochastic pumps to nonequilibrium steady states. Physical Review E, 2017, 95, 030101.	2.1	24
8	On the Role of Nonspherical Cavities in Short Length-Scale Density Fluctuations in Water. Journal of Physical Chemistry A, 2017, 121, 370-380.	2.5	24
9	Geometric approach to optimal nonequilibrium control: Minimizing dissipation in nanomagnetic spin systems. Physical Review E, 2017, 95, 012148.	2.1	53
10	Near-optimal protocols in complex nonequilibrium transformations. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10263-10268.	7.1	36
11	Single-particle mapping of nonequilibrium nanocrystal transformations. Science, 2016, 354, 874-877.	12.6	204
12	Necessity of capillary modes in a minimal model of nanoscale hydrophobic solvation. Proceedings of the United States of America, 2016, 113, E2224-30.	7.1	30
13	Optimal control in nonequilibrium systems: Dynamic Riemannian geometry of the Ising model. Physical Review E, 2015, 92, 060102.	2.1	53
14	Structural asymmetry in a conserved signaling system that regulates division, replication, and virulence of an intracellular pathogen. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3709-18.	7.1	52
15	Molecular Simulation Workflows as Parallel Algorithms: The Execution Engine of Copernicus, a Distributed High-Performance Computing Platform. Journal of Chemical Theory and Computation, 2015, 11, 2600-2608.	5.3	40
16	Efficiency and large deviations in time-asymmetric stochastic heat engines. New Journal of Physics, 2014, 16, 102003.	2.9	47
17	Transition-Tempered Metadynamics: Robust, Convergent Metadynamics via On-the-Fly Transition Barrier Estimation. Journal of Chemical Theory and Computation, 2014, 10, 3626-3633.	5.3	70
18	Ligand-Gated Ion Channel Opening and Closing Mechanism from Molecular Simulations. Biophysical Journal, 2013, 104, 271a.	0.5	0

#	Article	IF	CITATIONS
19	Structural basis of a protein partner switch that regulates the general stress response of α-proteobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1415-23.	7.1	42
20	Physics-informed graph neural networks enhance scalability of variational nonequilibrium optimal control. Journal of Chemical Physics, 0, , .	3.0	2