Jan-Hendrik Prinz

List of Publications by Year
in descending order

18	2,500	687335 13	839512 18
papers	citations	h-index	g-index

19	19	19	2132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OpenPathSampling: A Python Framework for Path Sampling Simulations. 2. Building and Customizing Path Ensembles and Sample Schemes. Journal of Chemical Theory and Computation, 2019, 15, 837-856.	5.3	34
2	OpenPathSampling: A Python Framework for Path Sampling Simulations. 1. Basics. Journal of Chemical Theory and Computation, 2019, 15, 813-836.	5.3	45
3	Markov state models from short non-equilibrium simulationsâ€”Analysis and correction of estimation bias. Journal of Chemical Physics, 2017, 146, .	3.0	51
4	Projected metastable Markov processes and their estimation with observable operator models. Journal of Chemical Physics, 2015, 143, 144101.	3.0	15
5	PyEMMA 2: A Software Package for Estimation, Validation, and Analysis of Markov Models. Journal of Chemical Theory and Computation, 2015, 11, 5525-5542.	5.3	876
6	Spectral Rate Theory for Two-State Kinetics. Physical Review X, 2014, 4, .	8.9	16
7	Markov Model Theory. Advances in Experimental Medicine and Biology, 2014, 797, 23-44.	1.6	8
8	Estimation and Validation of Markov Models. Advances in Experimental Medicine and Biology, 2014, 797, 45-60.	1.6	3
9	Analysis of Markov Models. Advances in Experimental Medicine and Biology, 2014, 797, 75-90.	1.6	4
10	Projected and hidden Markov models for calculating kinetics and metastable states of complex molecules. Journal of Chemical Physics, 2013, 139, 184114.	3.0	144
11	Dynamic neutron scattering from conformational dynamics. I. Theory and Markov models. Journal of Chemical Physics, 2013, 139, 175101.	3.0	22
12	Dynamic neutron scattering from conformational dynamics. II. Application using molecular dynamics simulation and Markov modeling. Journal of Chemical Physics, 2013, 139, 175102.	3.0	12
13	Markov models and dynamical fingerprints: Unraveling the complexity of molecular kinetics. Chemical Physics, 2012, 396, 92-107.	1.9	52
14	Mechanisms of Protein-Ligand Association and Its Modulation by Protein Mutations. Biophysical Journal, 2011, 100, 701-710.	0.5	62
15	Probing molecular kinetics with Markov models: metastable states, transition pathways and spectroscopic observables. Physical Chemistry Chemical Physics, 2011, 13, 16912.	2.8	106
16	Efficient Computation, Sensitivity, and Error Analysis of Committor Probabilities for Complex Dynamical Processes. Multiscale Modeling and Simulation, 2011, 9, 545-567.	1.6	26
17	Dynamical reweighting: Improved estimates of dynamical properties from simulations at multiple temperatures. Journal of Chemical Physics, 2011, 134, 244107.	3.0	55
18	Markov models of molecular kinetics: Generation and validation. Journal of Chemical Physics, 2011, 134, 174105.	3.0	968