

# Frank No

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151  
papers

10,303  
citations

51  
h-index

99  
g-index

170  
ext. papers

13,227  
ext. citations

7.8  
avg. IF

7.09  
L-index

#	Paper	IF	Citations
151	Identifying optimal cycles in quantum thermal machines with reinforcement-learning. <i>Npj Quantum Information</i> , <b>2022</b> , 8,	8.6	2
150	Coupling Particle-Based Reaction-Diffusion Simulations with Reservoirs Mediated by Reaction-Diffusion PDEs. <i>Multiscale Modeling and Simulation</i> , <b>2021</b> , 19, 1659-1683	1.8	1
149	Thermodynamics and Kinetics of Aggregation of Flexible Peripheral Membrane Proteins. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10497-10504	6.4	0
148	Progress in deep Markov state modeling: Coarse graining and experimental data restraints. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 214106	3.9	3
147	Alpha 1 Antitrypsin is an Inhibitor of the SARS-CoV-2-Priming Protease TMPRSS2. <i>Pathogens and Immunity</i> , <b>2021</b> , 6, 55-74	4.9	36
146	Camostat mesylate inhibits SARS-CoV-2 activation by TMPRSS2-related proteases and its metabolite GBPA exerts antiviral activity. <i>EBioMedicine</i> , <b>2021</b> , 65, 103255	8.8	120
145	Convergence to the fixed-node limit in deep variational Monte Carlo. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 124108	3.9	3
144	TorchMD: A Deep Learning Framework for Molecular Simulations. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 2355-2363	6.4	23
143	What Markov State Models Can and Cannot Do: Correlation versus Path-Based Observables in Protein-Folding Models. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 3119-3133	6.4	9
142	Multi-body effects in a coarse-grained protein force field. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 164113, 3.9	3.9	9
141	Unsupervised Learning Methods for Molecular Simulation Data. <i>Chemical Reviews</i> , <b>2021</b> , 121, 9722-9758, 68.1	68.1	34
140	Independent Markov decomposition: Toward modeling kinetics of biomolecular complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
139	Molecular mechanism of inhibiting the SARS-CoV-2 cell entry facilitator TMPRSS2 with camostat and nafamostat.. <i>Chemical Science</i> , <b>2021</b> , 12, 983-992	9.4	27
138	Discovery of a hidden transient state in all bromodomain families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
137	Synergistic inhibition of SARS-CoV-2 cell entry by otamixaban and covalent protease inhibitors: pre-clinical assessment of pharmacological and molecular properties. <i>Chemical Science</i> , <b>2021</b> , 12, 12600-12609, 12.609	12.609	2
136	Neural mode jump Monte Carlo. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 074101	3.9	2
135	Symmetric and antisymmetric kernels for machine learning problems in quantum physics and chemistry. <i>Machine Learning: Science and Technology</i> , <b>2021</b> , 2, 045016	5.1	5

134	Machine learning implicit solvation for molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 084101	3.9	6
133	Multiscale molecular kinetics by coupling Markov state models and reaction-diffusion dynamics. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 124109	3.9	5
132	Hydrodynamic coupling for particle-based solvent-free membrane models. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 114108	3.9	1
131	Parameterized Hypercomplex Graph Neural Networks for Graph Classification. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 204-216	0.9	1
130	grBifai: interactive multiparameter optimization of molecules in a continuous vector space. <i>Bioinformatics</i> , <b>2020</b> , 36, 4093-4094	7.2	3
129	Ensemble learning of coarse-grained molecular dynamics force fields with a kernel approach. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 194106	3.9	25
128	Large-scale simulation of biomembranes incorporating realistic kinetics into coarse-grained models. <i>Nature Communications</i> , <b>2020</b> , 11, 2951	17.4	12
127	Coupling of Conformational Switches in Calcium Sensor Unraveled with Local Markov Models and Transfer Entropy. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 2584-2593	6.4	5
126	Machine Learning for Molecular Simulation. <i>Annual Review of Physical Chemistry</i> , <b>2020</b> , 71, 361-390	15.7	193
125	Machine Learning for Molecular Dynamics on Long Timescales. <i>Lecture Notes in Physics</i> , <b>2020</b> , 331-372	0.8	10
124	Alpha 1 Antitrypsin is an Inhibitor of the SARS-CoV-2-Priming Protease TMPRSS2 <b>2020</b> ,		24
123	Camostat mesylate inhibits SARS-CoV-2 activation by TMPRSS2-related proteases and its metabolite GBPA exerts antiviral activity <b>2020</b> ,		30
122	Machine learning for protein folding and dynamics. <i>Current Opinion in Structural Biology</i> , <b>2020</b> , 60, 77-84	8.1	55
121	Coarse graining molecular dynamics with graph neural networks. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 194101	3.9	34
120	Deep-neural-network solution of the electronic Schrödinger equation. <i>Nature Chemistry</i> , <b>2020</b> , 12, 891-897	7.6	103
119	Neuraldecipher - reverse-engineering extended-connectivity fingerprints (ECFPs) to their molecular structures. <i>Chemical Science</i> , <b>2020</b> , 11, 10378-10389	9.4	11
118	Geometrical characterization of T cell receptor binding modes reveals class-specific binding to maximize access to antigen. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2020</b> , 88, 503-513	4.2	9
117	Variational Approach for Learning Markov Processes from Time Series Data. <i>Journal of Nonlinear Science</i> , <b>2020</b> , 30, 23-66	2.8	66

116	Boltzmann generators: Sampling equilibrium states of many-body systems with deep learning. <i>Science</i> , <b>2019</b> , 365,	33.3	166
115	Targeted Adversarial Learning Optimized Sampling. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5791-5797	6.7	22
114	Learning continuous and data-driven molecular descriptors by translating equivalent chemical representations. <i>Chemical Science</i> , <b>2019</b> , 10, 1692-1701	9.4	152
113	Dynamically Driven Allostery in MHC Proteins: Peptide-Dependent Tuning of Class I MHC Global Flexibility. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 966	8.4	22
112	Variational selection of features for molecular kinetics. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 194108	3.9	25
111	Identification of kinetic order parameters for non-equilibrium dynamics. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 164120	3.9	15
110	Machine Learning of Coarse-Grained Molecular Dynamics Force Fields. <i>ACS Central Science</i> , <b>2019</b> , 5, 755-763	16.8	160
109	The mechanism of RNA base fraying: Molecular dynamics simulations analyzed with core-set Markov state models. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 154123	3.9	12
108	ReaDDy 2: Fast and flexible software framework for interacting-particle reaction dynamics. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006830	5	27
107	Reactive SINDy: Discovering governing reactions from concentration data. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 025101	3.9	29
106	Cyclization and Relaxation Dynamics of Finite-Length Collapsed Self-Avoiding Polymers. <i>Physical Review Letters</i> , <b>2019</b> , 122, 067801	7.4	5
105	Deflation reveals dynamical structure in nondominant reaction coordinates. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 054103	3.9	8
104	Efficient multi-objective molecular optimization in a continuous latent space. <i>Chemical Science</i> , <b>2019</b> , 10, 8016-8024	9.4	63
103	Dynamic graphical models of molecular kinetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15001-15006	11.5	16
102	Structure and assembly of the mitochondrial membrane remodelling GTPase Mgm1. <i>Nature</i> , <b>2019</b> , 571, 429-433	50.4	50
101	Polymer-like Model to Study the Dynamics of Dynamin Filaments on Deformable Membrane Tubes. <i>Biophysical Journal</i> , <b>2019</b> , 117, 1870-1891	2.9	5
100	Diffusion-influenced reaction rates in the presence of pair interactions. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 164105	3.9	12
99	Introduction to Markov state modeling with the PyEMMA software [Article v1.0]. <i>Living Journal of Computational Molecular Science</i> , <b>2019</b> , 1,	10.1	28

98	Porting Adaptive Ensemble Molecular Dynamics Workflows to the Summit Supercomputer. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 397-417	0.9	2
97	Nanoscale coupling of endocytic pit growth and stability. <i>Science Advances</i> , <b>2019</b> , 5, eaax5775	14.3	7
96	Kernel methods for detecting coherent structures in dynamical data. <i>Chaos</i> , <b>2019</b> , 29, 123112	3.3	8
95	Single event visualization of unconventional secretion of FGF2. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 683-699	3	20
94	OpenPathSampling: A Python Framework for Path Sampling Simulations. 2. Building and Customizing Path Ensembles and Sample Schemes. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 837-856	6.4	20
93	OpenPathSampling: A Python Framework for Path Sampling Simulations. 1. Basics. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 813-836	6.4	27
92	Particle-based membrane model for mesoscopic simulation of cellular dynamics. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 044901	3.9	15
91	Identifying Conformational-Selection and Induced-Fit Aspects in the Binding-Induced Folding of PMI from Markov State Modeling of Atomistic Simulations. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 5649-5656	3.4	15
90	Rapid Calculation of Molecular Kinetics Using Compressed Sensing. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 2771-2783	6.4	10
89	A scalable approach to the computation of invariant measures for high-dimensional Markovian systems. <i>Scientific Reports</i> , <b>2018</b> , 8, 1796	4.9	4
88	Data-Driven Model Reduction and Transfer Operator Approximation. <i>Journal of Nonlinear Science</i> , <b>2018</b> , 28, 985-1010	2.8	124
87	VAMPnets for deep learning of molecular kinetics. <i>Nature Communications</i> , <b>2018</b> , 9, 5	17.4	168
86	Time-lagged autoencoders: Deep learning of slow collective variables for molecular kinetics. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 241703	3.9	162
85	Grand canonical diffusion-influenced reactions: A stochastic theory with applications to multiscale reaction-diffusion simulations. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 044102	3.9	8
84	Optimal Data-Driven Estimation of Generalized Markov State Models for Non-Equilibrium Dynamics. <i>Computation</i> , <b>2018</b> , 6, 22	2.2	16
83	MSM/RD: Coupling Markov state models of molecular kinetics with reaction-diffusion simulations. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 214107	3.9	17
82	It takes two transducins to activate the cGMP-phosphodiesterase 6 in retinal rods. <i>Open Biology</i> , <b>2018</b> , 8,	7	28
81	Collective hydrogen-bond rearrangement dynamics in liquid water. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 244504	3.9	14

80	Reversible Interacting-Particle Reaction Dynamics. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 11240-11250	3.9	16
79	Variational Koopman models: Slow collective variables and molecular kinetics from short off-equilibrium simulations. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 154104	3.9	58
78	Markov state models from short non-equilibrium simulations: Analysis and correction of estimation bias. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 094104	3.9	37
77	The Isomeric Preference of an Atypical Dopamine Transporter Inhibitor Contributes to Its Selection of the Transporter Conformation. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 1735-1746	5.7	18
76	Lipid-mediated PX-BAR domain recruitment couples local membrane constriction to endocytic vesicle fission. <i>Nature Communications</i> , <b>2017</b> , 8, 15873	17.4	66
75	Collective variables for the study of long-time kinetics from molecular trajectories: theory and methods. <i>Current Opinion in Structural Biology</i> , <b>2017</b> , 43, 141-147	8.1	69
74	Predicting the Kinetics of RNA Oligonucleotides Using Markov State Models. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 926-934	6.4	21
73	Mechanistic Models of Chemical Exchange Induced Relaxation in Protein NMR. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 200-210	16.4	18
72	Protein-peptide association kinetics beyond the seconds timescale from atomistic simulations. <i>Nature Communications</i> , <b>2017</b> , 8, 1095	17.4	76
71	Combining experimental and simulation data of molecular processes via augmented Markov models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8265-8270	11.5	62
70	An efficient multi-scale Green's function reaction dynamics scheme. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 184106	3.9	14
69	Complete protein-protein association kinetics in atomic detail revealed by molecular dynamics simulations and Markov modelling. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1005-1011	17.6	203
68	MHC class II complexes sample intermediate states along the peptide exchange pathway. <i>Nature Communications</i> , <b>2016</b> , 7, 13224	17.4	29
67	Commute Maps: Separating Slowly Mixing Molecular Configurations for Kinetic Modeling. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 5620-5630	6.4	40
66	Hierarchical Time-Lagged Independent Component Analysis: Computing Slow Modes and Reaction Coordinates for Large Molecular Systems. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 6118-6129	6.4	41
65	Molecular dynamics simulations data of the twenty encoded amino acids in different force fields. <i>Data in Brief</i> , <b>2016</b> , 7, 582-90	1.2	10
64	HTMD: High-Throughput Molecular Dynamics for Molecular Discovery. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 1845-52	6.4	219
63	Variational tensor approach for approximating the rare-event kinetics of macromolecular systems. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 054105	3.9	43

62	Multiensemble Markov models of molecular thermodynamics and kinetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E3221-30	11.5	133
61	Nanosopic compartmentalization of membrane protein motion at the axon initial segment. <i>Journal of Cell Biology</i> , <b>2016</b> , 215, 37-46	7.3	71
60	Beating the millisecond barrier in molecular dynamics simulations. <i>Biophysical Journal</i> , <b>2015</b> , 108, 228-9	2.9	16
59	Protein conformational plasticity and complex ligand-binding kinetics explored by atomistic simulations and Markov models. <i>Nature Communications</i> , <b>2015</b> , 6, 7653	17.4	252
58	Shedding Light on the Dock-Lock Mechanism in Amyloid Fibril Growth Using Markov State Models. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1076-81	6.4	28
57	Dynamic properties of force fields. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 084101	3.9	60
56	Gaussian Markov transition models of molecular kinetics. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 084104	3.9	13
55	A Basis Set for Peptides for the Variational Approach to Conformational Kinetics. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 3992-4004	6.4	23
54	PyEMMA 2: A Software Package for Estimation, Validation, and Analysis of Markov Models. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 5525-42	6.4	504
53	Crystal structure of the dynamin tetramer. <i>Nature</i> , <b>2015</b> , 525, 404-8	50.4	82
52	Kinetic distance and kinetic maps from molecular dynamics simulation. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 5002-11	6.4	113
51	Investigating Molecular Kinetics by Variationally Optimized Diffusion Maps. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 5947-60	6.4	39
50	Projected metastable Markov processes and their estimation with observable operator models. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 144101	3.9	12
49	Estimation and uncertainty of reversible Markov models. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 174101	3.9	67
48	Higher-order architecture of rhodopsin in intact photoreceptors and its implication for phototransduction kinetics. <i>Structure</i> , <b>2015</b> , 23, 628-38	5.2	89
47	Response to comment "Transient complexes between dark rhodopsin and transducin: circumstantial evidence or physiological necessity?" by D. Dell'Orco and K.-W. Koch. <i>Biophysical Journal</i> , <b>2015</b> , 108, 778-9	2.9	3
46	ReaDDyMM: Fast interacting particle reaction-diffusion simulations using graphical processing units. <i>Biophysical Journal</i> , <b>2015</b> , 108, 457-61	2.9	25
45	Dynamical Organization of Syntaxin-1A at the Presynaptic Active Zone. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004407	5	38

44	Variational Approach to Molecular Kinetics. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 1739-62	193
43	Complex RNA folding kinetics revealed by single-molecule FRET and hidden Markov models. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4534-43	16.4 69
42	Explicit spatiotemporal simulation of receptor-G protein coupling in rod cell disk membranes. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1042-1053	2.9 32
41	Markov state models of biomolecular conformational dynamics. <i>Current Opinion in Structural Biology</i> , <b>2014</b> , 25, 135-44	8.1 448
40	Optimal Estimation of Free Energies and Stationary Densities from Multiple Biased Simulations. <i>Multiscale Modeling and Simulation</i> , <b>2014</b> , 12, 25-54	1.8 21
39	Statistically optimal analysis of state-discretized trajectory data from multiple thermodynamic states. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 214106	3.9 62
38	xTRAM: Estimating Equilibrium Expectations from Time-Correlated Simulation Data at Multiple Thermodynamic States. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1 23
37	Spectral Rate Theory for Two-State Kinetics. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1 15
36	Simulation tools for particle-based reaction-diffusion dynamics in continuous space. <i>BMC Biophysics</i> , <b>2014</b> , 7, 11	0 56
35	Spatiotemporal control of endocytosis by phosphatidylinositol-3,4-bisphosphate. <i>Nature</i> , <b>2013</b> , 499, 233-7	50.4 289
34	Projected and hidden Markov models for calculating kinetics and metastable states of complex molecules. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 184114	3.9 96
33	A Variational Approach to Modeling Slow Processes in Stochastic Dynamical Systems. <i>Multiscale Modeling and Simulation</i> , <b>2013</b> , 11, 635-655	1.8 180
32	Dynamic neutron scattering from conformational dynamics. I. Theory and Markov models. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 175101	3.9 20
31	Efficient Bayesian estimation of Markov model transition matrices with given stationary distribution. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 164113	3.9 29
30	Dynamic neutron scattering from conformational dynamics. II. Application using molecular dynamics simulation and Markov modeling. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 175102	3.9 11
29	Identification of slow molecular order parameters for Markov model construction. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 015102	3.9 522
28	ReaDDy--a software for particle-based reaction-diffusion dynamics in crowded cellular environments. <i>PLoS ONE</i> , <b>2013</b> , 8, e74261	3.7 91
27	Kinetic characterization of the critical step in HIV-1 protease maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20449-54	11.5 85



26	EMMA: A Software Package for Markov Model Building and Analysis. <i>Journal of Chemical Theory and Computation</i> , <b>2012</b> , 8, 2223-38	6.4	123
25	Markov models and dynamical fingerprints: Unraveling the complexity of molecular kinetics. <i>Chemical Physics</i> , <b>2012</b> , 396, 92-107	2.3	48
24	Mechanisms of protein-ligand association and its modulation by protein mutations. <i>Biophysical Journal</i> , <b>2011</b> , 100, 701-710	2.9	54
23	Markov state models based on milestoning. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 204105	3.9	164
22	Crystal structure of nucleotide-free dynamin. <i>Nature</i> , <b>2011</b> , 477, 556-60	50.4	229
21	Probing molecular kinetics with Markov models: metastable states, transition pathways and spectroscopic observables. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 16912-27	3.6	86
20	Optimal use of data in parallel tempering simulations for the construction of discrete-state Markov models of biomolecular dynamics. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 244108	3.9	43
19	Dynamical fingerprints for probing individual relaxation processes in biomolecular dynamics with simulations and kinetic experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 4822-7	11.5	90
18	Dynamical reweighting: improved estimates of dynamical properties from simulations at multiple temperatures. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 244107	3.9	50
17	Markov models of molecular kinetics: generation and validation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 174105	3.9	738
16	Optimal identification of semi-rigid domains in macromolecules from molecular dynamics simulation. <i>PLoS ONE</i> , <b>2010</b> , 5, e10491	3.7	18
15	Probability distributions of molecular observables computed from Markov models. II. Uncertainties in observables and their time-evolution. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 105102	3.9	32
14	On the Approximation Quality of Markov State Models. <i>Multiscale Modeling and Simulation</i> , <b>2010</b> , 8, 1154-1177	153	
13	Estimating the sampling error: distribution of transition matrices and functions of transition matrices for given trajectory data. <i>Physical Review E</i> , <b>2009</b> , 80, 021106	2.4	36
12	Constructing the equilibrium ensemble of folding pathways from short off-equilibrium simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19011-6	11.5	586
11	Probability distributions of molecular observables computed from Markov models. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 244103	3.9	110
10	Data-based parameter estimation of generalized multidimensional Langevin processes. <i>Physical Review E</i> , <b>2007</b> , 76, 016706	2.4	33
9	Hierarchical analysis of conformational dynamics in biomolecules: transition networks of metastable states. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 155102	3.9	322

8	Transition Networks for the Comprehensive Characterization of Complex Conformational Change in Proteins. <i>Journal of Chemical Theory and Computation</i> , <b>2006</b> , 2, 840-57	6.4	81
7	Automated computation of low-energy pathways for complex rearrangements in proteins: application to the conformational switch of Ras p21. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 59, 534-44	4.2	32
6	Computational tools for analysing structural changes in proteins in solution. <i>Applied Bioinformatics</i> , <b>2003</b> , 2, S11-7		
5	Deeptime: a Python library for machine learning dynamical models from time series data. <i>Machine Learning: Science and Technology</i> ,	5.1	3
4	Discovery of a hidden transient state in all bromodomain families		1
3	What Markov state models can and cannot do: Correlation versus path-based observables in protein folding models		2
2	Independent Markov Decomposition: Towards modeling kinetics of biomolecular complexes		2
1	Roadmap on Machine Learning in Electronic Structure. <i>Electronic Structure</i> ,	2.6	7