

# Mattia Bernetti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4489852/publications.pdf>

Version: 2024-02-01

12  
papers

499  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure control using stochastic cell rescaling. <i>Journal of Chemical Physics</i> , 2020, 153, 114107.	3.0	113
2	Kinetics of Drug Binding and Residence Time. <i>Annual Review of Physical Chemistry</i> , 2019, 70, 143-171.	10.8	105
3	Predicting Residence Time and Drug Unbinding Pathway through Scaled Molecular Dynamics. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 535-549.	5.4	64
4	Toward empirical force fields that match experimental observables. <i>Journal of Chemical Physics</i> , 2020, 152, 230902.	3.0	49
5	An Integrated Markov State Model and Path Metadynamics Approach To Characterize Drug Binding Processes. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5689-5702.	5.3	45
6	Data-Driven Molecular Dynamics: A Multifaceted Challenge. <i>Pharmaceuticals</i> , 2020, 13, 253.	3.8	33
7	Reweighting of molecular simulations with explicit-solvent SAXS restraints elucidates ion-dependent RNA ensembles. <i>Nucleic Acids Research</i> , 2021, 49, e84-e84.	14.5	25
8	Structural and Kinetic Characterization of the Intrinsically Disordered Protein SeV N<sub>TAIL</sub> through Enhanced Sampling Simulations. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9572-9582.	2.6	23
9	Binding Residence Time through Scaled Molecular Dynamics: A Prospective Application to hDAAO Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 2255-2265.	5.4	21
10	Development of a multisite model for Ni(II) ion in solution from thermodynamic and kinetic data. <i>Journal of Computational Chemistry</i> , 2017, 38, 1834-1843.	3.3	11
11	Fully Flexible Docking via Reaction-Coordinate-Independent Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 490-500.	5.4	9
12	Molecular Dynamics of Solids at Constant Pressure and Stress Using Anisotropic Stochastic Cell Rescaling. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1139.	2.5	1