

# Dhiman Ray

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Markovian Weighted Ensemble Milestoning (M-WEM): Long-Time Kinetics from Short Trajectories. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 79-95.	2.3	20
2	Point mutations in SARS-CoV-2 variants induce long-range dynamical perturbations in neutralizing antibodies. <i>Chemical Science</i> , 2022, 13, 7224-7239.	3.7	6
3	Kinetics and Free Energy of Protein Ligand Interaction using Weighted Ensemble Milestoning (WEM). <i>Biophysical Journal</i> , 2021, 120, 97a.	0.2	0
4	Distant residues modulate conformational opening in SARS-CoV-2 spike protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	69
5	Kinetics and free energy of ligand dissociation using weighted ensemble milestoning. <i>Journal of Chemical Physics</i> , 2020, 153, 154117.	1.2	10
6	Interfacial water and ion distribution determine $\zeta$ potential and binding affinity of nanoparticles to biomolecules. <i>Nanoscale</i> , 2020, 12, 18106-18123.	2.8	14
7	Free Energy Landscape and Conformational Kinetics of Hoogsteen Base Pairing in DNA vs. RNA. <i>Biophysical Journal</i> , 2020, 119, 1568-1579.	0.2	10
8	Weighted ensemble milestoning (WEM): A combined approach for rare event simulations. <i>Journal of Chemical Physics</i> , 2020, 152, 234114.	1.2	22
9	Controlling Electron Dynamics with Carrier-Envelope Phases of a Laser Pulse. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4702-4707.	1.1	6
10	Effects of alloying on mode-selectivity in H <sub>2</sub> O dissociation on Cu/Ni bimetallic surfaces. <i>Journal of Chemical Physics</i> , 2019, 150, 114702.	1.2	19
11	Controlling Heterogeneous Catalysis of Water Dissociation Using Cu-Ni Bimetallic Alloy Surfaces: A Quantum Dynamics Study. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5698-5709.	1.1	20