

upendra Harbola

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.

44
papers

1,505
citations

15
h-index

38
g-index

47
ext. papers

1,681
ext. citations

4
avg, IF

4.72
L-index

#	Paper	IF	Citations
44	Frequency-dependent specific heat in quantum supercooled liquids: A mode-coupling study. <i>Journal of Chemical Physics</i> , 2021 , 154, 164512	3.9	
43	Structural relaxation in quantum supercooled liquids: A mode-coupling approach. <i>Journal of Chemical Physics</i> , 2021 , 154, 014502	3.9	1
42	Photo-Ionization Time Delay in Linearly Extended π -Conjugated Molecular Systems. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8417-8425	2.8	
41	The Photoionization Time in π -Conjugated Molecular Systems. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5770-5774	2.8	1
40	Energy, Particle, and Photon Fluxes in Molecular Junctions. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1762-1766	6.4	1
39	Statistics of heat transport across a capacitively coupled double quantum dot circuit. <i>Physical Review B</i> , 2019 , 99,	3.3	5
38	Spontaneous Light Emission from Molecular Junctions: Theoretical Analysis of Upconversion Signal. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10594-10598	2.8	1
37	Current in nanojunctions: Effects of reservoir coupling. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 101, 224-231	3	1
36	Memory induced anomalous dynamics in a random walker with internal states. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018 , 2018, 103207	1.9	2
35	A memory-based random walk model to understand diffusion in crowded heterogeneous environment. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1850193	1.1	
34	Controlling local currents in molecular junctions. <i>Physical Review B</i> , 2016 , 94,	3.3	7
33	Geometric effects in nonequilibrium electron transfer statistics in adiabatically driven quantum junctions. <i>Physical Review B</i> , 2016 , 93,	3.3	7
32	Electroluminescence in Molecular Junctions: A Diagrammatic Approach. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 4304-15	6.4	11
31	Descending from infinity: convergence of tailed distributions. <i>Physical Review E</i> , 2015 , 91, 012128	2.4	1
30	Electron transfer statistics and thermal fluctuations in molecular junctions. <i>Journal of Chemical Physics</i> , 2015 , 142, 084106	3.9	7
29	Response to "Comment on 'Frequency-domain stimulated and spontaneous light emission signals at molecular junctions'" [J. Chem. Phys. 142, 137101 (2015)]. <i>Journal of Chemical Physics</i> , 2015 , 142, 137102	3.9	1
28	Coherent (photon) vs incoherent (current) detection of multidimensional optical signals from single molecules in open junctions. <i>Journal of Chemical Physics</i> , 2015 , 142, 212445	3.9	11

27	Dynamics of chemical bond: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 121-54	3.6	8
26	Globally coupled stochastic two-state oscillators: fluctuations due to finite numbers. <i>Physical Review E</i> , 2014 , 89, 052143	2.4	20
25	Memory-induced anomalous dynamics in a minimal random walk model. <i>Physical Review E</i> , 2014 , 90, 022136	3.6	20
24	Large deviation function and fluctuation theorem for classical particle transport. <i>Physical Review E</i> , 2014 , 89, 012141	2.4	5
23	An integral fluctuation theorem for systems with unidirectional transitions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P10044	1.9	7
22	Frequency-domain stimulated and spontaneous light emission signals at molecular junctions. <i>Journal of Chemical Physics</i> , 2014 , 141, 074107	3.9	11
21	Thermodynamics of quantum heat engines. <i>Physical Review A</i> , 2013 , 88,	2.6	34
20	Heat fluctuations and coherences in a quantum heat engine. <i>Physical Review A</i> , 2012 , 86,	2.6	46
19	Quantum heat engines: A thermodynamic analysis of power and efficiency. <i>Europhysics Letters</i> , 2012 , 99, 50005	1.6	39
18	Nonequilibrium fluctuations, fluctuation theorems, and counting statistics in quantum systems. <i>Reviews of Modern Physics</i> , 2009 , 81, 1665-1702	40.5	842
17	Nonlinear optical spectroscopy of single, few, and many molecules; nonequilibrium Green's function QED approach. <i>Physical Review A</i> , 2008 , 77, 22110	2.6	51
16	Single-electron counting spectroscopy: simulation study of porphyrin in a molecular junction. <i>Nano Letters</i> , 2008 , 8, 1137-41	11.5	19
15	Conductance Bistability in a Single Porphyrin Molecule in a STM Junction: A Many-Body Simulation Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9516-9521	3.8	9
14	Statistics and fluctuation theorem for boson and fermion transport through mesoscopic junctions. <i>Physical Review B</i> , 2007 , 76,	3.3	27
13	Nonequilibrium superoperator GW equations. <i>Journal of Chemical Physics</i> , 2006 , 124, 044106	3.9	18
12	Many-body theory of current-induced fluorescence in molecular junctions. <i>Physical Review B</i> , 2006 , 73,	3.3	23
11	Nonequilibrium superoperator Green's function approach to inelastic resonances in STM currents. <i>Physical Review B</i> , 2006 , 73,	3.3	17
10	Quantum master equation for electron transport through quantum dots and single molecules. <i>Physical Review B</i> , 2006 , 74,	3.3	187

9	Simulation of single molecule inelastic electron tunneling signals in paraphenylene-vinylene oligomers and distyrylbenzene[2.2]paracyclophanes. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 6329-38 ^{2.8}	23
8	Structural Relaxation in a Binary Mixture. <i>Progress of Theoretical Physics Supplement</i> , 2005 , 157, 172-175	
7	A SIMPLE MODEL FOR DYNAMIC HETEROGENEITIES IN A SUPERCOOLED LIQUID. <i>International Journal of Modern Physics B</i> , 2004 , 18, 1299-1307	1.1 0
6	SECONDARY RELAXATION IN A SUPERCOOLED BINARY MIXTURE. <i>International Journal of Modern Physics B</i> , 2003 , 17, 2395-2415	1.1 2
5	Dynamic Transition in a Binary Liquid and Its Dependence on the Mass-Ratio: Results from a Self Consistent Mode Coupling Model. <i>Journal of Statistical Physics</i> , 2003 , 112, 1109-1125	1.5 8
4	Comment on "Universal scaling laws of diffusion in a binary fluid mixture". <i>Physical Review Letters</i> , 2003 , 91, 229601; discussion 229602	7.4 5
3	Model for glass transition in a binary fluid from a mode coupling approach. <i>Physical Review E</i> , 2002 , 65, 036138	2.4 19
2	Model for viscoelasticity in a binary mixture. <i>Journal of Chemical Physics</i> , 2002 , 117, 9844-9849	3.9 3
1	Structural relaxation and frequency-dependent specific heat in a supercooled liquid. <i>Physical Review E</i> , 2001 , 64, 046122	2.4 5