Fei Liu

List of Publications by Year
in descending order

47	527	686830	713013
papers	citations	13 h-index	21 g-index

48	48	48	383
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Auxiliary open quantum system for the Floquet quantum master equation. Physical Review E, 2021, 103, 022116.	0.8	1
2	On a tilted Liouville-master equation of open quantum systems. Communications in Theoretical Physics, 2021, 73, 095601.	1.1	1
3	Stochastic Floquet quantum heat engines and stochastic efficiencies. Physical Review E, 2020, 101, 062144.	0.8	8
4	Infima statistics of entropy production in an underdamped Brownian motor. Physical Review E, 2020, 102, 062127.	0.8	5
5	A fluctuation theorem for Floquet quantum master equations. Communications in Theoretical Physics, 2020, 72, 095601.	1.1	0
6	Computing characteristic functions of quantum work in phase space. Physical Review E, 2019, 100, 062119.	0.8	8
7	Quantum corrections of work statistics in closed quantum systems. Physical Review E, 2018, 98, 012132.	0.8	13
8	Calculating work in weakly driven quantum master equations: Backward and forward equations. Physical Review E, 2016, 93, 012127.	0.8	14
9	Characteristic functions based on a quantum jump trajectory. Physical Review E, 2016, 94, 062133.	0.8	19
10	Nonequilibrium work equalities in isolated quantum systems. Chinese Physics B, 2014, 23, 070512.	0.7	6
11	Equivalence of two Bochkov-Kuzovlev equalities in quantum two-level systems. Physical Review E, 2014, 89, 042122.	0.8	23
12	Generalized Integral Fluctuation Relation with Feedback Control for Diffusion Processes. Communications in Theoretical Physics, 2014, 62, 571-578.	1.1	2
13	Calculating work in adiabatic two-level quantum Markovian master equations: A characteristic function method. Physical Review E, 2014, 90, 032121.	0.8	25
14	Master equation model for Gaussian disordered organic field-effect transistors. Journal of Applied Physics, 2013, 114, 074502.	1.1	2
15	Splitting of the rate matrix as a definition of time reversal in master equation systems. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 125004.	0.7	2
16	Derivation of quantum work equalities using a quantum Feynman-Kac formula. Physical Review E, 2012, 86, 010103.	0.8	18
17	Modeling carrier transport and electric field evolution in Gaussian disordered organic field-effect transistors. Journal of Applied Physics, 2011, 109, 104512.	1.1	5
18	Polarization-dependence of optical second harmonic generation for chiral cylindrical structure and explanation for nonlinear optical imaging of cholesteric liquid crystals. Chemical Physics Letters, 2011, 511, 455-460.	1.2	4

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19	Influence of traps on transient electric field and mobility evaluation in organic field-effect transistors. Journal of Applied Physics, 2010, 107, 043712.	1.1	31
20	Linear response theory and transient fluctuation relations for diffusion processes: a backward point of view. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 495003.	0.7	8
21	Electron Injection into Pentacene Field-Effect Transistor Observed by Time-Resolved Optical Second Harmonic Generation Imaging. Japanese Journal of Applied Physics, 2010, 49, 04DK05.	0.8	6
22	Generalized integral fluctuation theorem for diffusion processes. Physical Review E, 2009, 79, 060107.	0.8	12
23	Transient charge accumulation in pentacene field effect transistor with silver electrode. Thin Solid Films, 2009, 518, 485-488.	0.8	2
24	The study of the elasticity of spider dragline silk with liquid crystal model. Thin Solid Films, 2009, 518, 735-738.	0.8	2
25	Studying Transient Carrier Behaviors in Pentacene Field Effect Transistors Using Visualized Electric Field Migration. Journal of Physical Chemistry C, 2009, 113, 10279-10284.	1.5	36
26	A generalized integral fluctuation theorem for general jump processes. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 332003.	0.7	6
27	A Kinetic Model of Transcription Initiation by RNA Polymerase. Journal of Molecular Biology, 2008, 378, 520-529.	2.0	14
28	Bayesian Analysis of Folding and Unfolding Time Series of Single-Forced RNAs. Journal of Physical Chemistry B, 2008, 112, 13680-13683.	1.2	3
29	KIDNEY-BOOJUM-LIKE SOLUTIONS AND EXACT SHAPE EQUATION OF LIPID MONOLAYER DOMAINS. International Journal of Modern Physics B, 2008, 22, 2047-2053.	1.0	3
30	KIDNEY-BOOJUM-LIKE SOLUTIONS AND EXACT SHAPE EQUATION OF SOLID-LIKE DOMAINS IN LIPID MONOLAYER. International Journal of Modern Physics B, 2008, 22, 4607-4616.	1.0	1
31	Diffusionlike electric-field migration in the channel of organic field-effect transistors. Physical Review B, 2008, 78, .	1.1	63
32	Two-pathway four-state kinetic model of thioredoxin-catalyzed reduction of single forced disulfide bonds. Physical Review E, 2008, 77, 050903.	0.8	4
33	Shear-induced domain deformation in a tilted lipid monolayer: From circle to ellipse and kinked stripe. Physical Review E, 2008, 78, 051704.	0.8	3
34	Force Unfolding Single RNAs. Biophysical Journal, 2006, 90, 1895-1902.	0.2	8
35	Single molecule Michaelis-Menten equation beyond quasistatic disorder. Physical Review E, 2006, 74, 030902.	0.8	28
36	Shape and stability of two-dimensional lipid domains with dipole-dipole interactions. Journal of Chemical Physics, 2006, 125, 224701.	1.2	27

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37	Driven translocation of a polynucleotide chain through a nanopore: A continuous time Monte Carlo study. Physical Review E, 2006, 74, 011911.	0.8	1
38	Force modulating dynamic disorder: A physical model of catch-slip bond transitions in receptor-ligand forced dissociation experiments. Physical Review E, 2006, 74, 051904.	0.8	15
39	Dynamic disorder in receptor-ligand forced dissociation experiments. Physical Review E, 2006, 73, 010901.	0.8	12
40	Monte Carlo Simulation for Single RNA Unfolding by Force. Biophysical Journal, 2005, 88, 76-84.	0.2	18
41	Unfolding single RNA molecules by mechanical force: A stochastic kinetic method. Physical Review E, 2004, 70, 040901.	0.8	3
42	END-TO-END DISTANCE DISTRIBUTION OF FORCE STRETCHED CHAINS RECONSTRUCTION BY MAXIMUM-ENTROPY METHOD. International Journal of Modern Physics B, 2004, 18, 2365-2375.	1.0	1
43	Flexoelectric origin of nanomechanic deflection in DNA-microcantilever system. Biosensors and Bioelectronics, 2003, 18, 655-660.	5.3	44
44	Theory for the force-stretched double-stranded chain molecule. Journal of Chemical Physics, 2003, 119, 8112-8123.	1.2	4
45	Maximum-entropy calculation of the end-to-end distance distribution of force-stretched chains. Journal of Chemical Physics, 2003, 119, 8124-8132.	1.2	6
46	Mobility Measurement Based on Visualized Electric Field Migration in Organic Field-Effect Transistors. Applied Physics Express, 0, 2, 061501.	1.1	9
47	Deriving a kinetic uncertainty relation for piecewise deterministic processes: from classical to quantum. Communications in Theoretical Physics, 0, , .	1.1	1