

Ophir Flomenbom

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

932
citations

567281

15
h-index

454955

30
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39
all docs

39
docs citations

39
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretched exponential decay and correlations in the catalytic activity of fluctuating single lipase molecules. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2368-2372.	7.1	273
2	Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis. Angewandte Chemie - International Edition, 2005, 44, 560-564.	13.8	177
3	What Can One Learn from Two-State Single-Molecule Trajectories?. Biophysical Journal, 2005, 88, 3780-3783.	0.5	78
4	Utilizing the information content in two-state trajectories. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10907-10910.	7.1	51
5	Single file dynamics in soft materials. Soft Matter, 2017, 13, 1096-1106.	2.7	37
6	On single-file and less dense processes. Europhysics Letters, 2008, 83, 20004.	2.0	31
7	Closed-Form Solutions for Continuous Time Random Walks on Finite Chains. Physical Review Letters, 2005, 95, 098105.	7.8	26
8	Some new aspects of dendrimer applications. Journal of Luminescence, 2005, 111, 315-325.	3.1	24
9	Dynamics of heterogeneous hard spheres in a file. Physical Review E, 2010, 82, 031126.	2.1	22
10	Translocation of a Single-Stranded DNA Through a Conformationally Changing Nanopore. Biophysical Journal, 2004, 86, 3576-3584.	0.5	21
11	Toolbox for analyzing finite two-state trajectories. Physical Review E, 2008, 78, 066105.	2.1	20
12	Clustering in anomalous files of independent particles. Europhysics Letters, 2011, 94, 58001.	2.0	17
13	On the relationships between kinetic schemes and two-state single molecule trajectories. Journal of Chemical Physics, 2005, 123, 064903.	3.0	16
14	MATHEMATICAL TREATMENTS THAT SOLVE SINGLE MOLECULES. Biophysical Reviews and Letters, 2013, 08, 109-136.	0.8	15
15	Renewal "anomalous" heterogeneous files. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4331-4335.	2.1	14
16	Single File Dynamics Advances with a Focus on Biophysical Relevance. Biophysical Reviews and Letters, 2014, 09, 307-331.	0.8	11
17	The Society-Deciders Model and Fairness in Nations. Biophysical Reviews and Letters, 2015, 10, 157-174.	0.8	11
18	Correctly validating results from single molecule data: The case of stretched exponential decay in the catalytic activity of single lipase B molecules. Chemical Physics Letters, 2006, 432, 371-374.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Path-probability density functions for semi-Markovian random walks. <i>Physical Review E</i> , 2007, 76, 041101.	2.1	9
20	Properties of the generalized master equation: Greenâ€™s functions and probability density functions in the path representation. <i>Journal of Chemical Physics</i> , 2007, 127, 034103.	3.0	7
21	From the Physiocrats to Fairness in Nations. <i>Reports in Advances of Physical Sciences</i> , 2017, 01, 1750001.	0.2	7
22	DENDRIMER-BASED DEVICES: ANTENNAE AND AMPLIFIERS. , 2005, , 245-279.		6
23	The rule for a subdiffusive particle in an extremely diverse environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1405-1408.	2.1	6
24	Commentary on "Biophysical Economics" and Evolving Areas. <i>Biophysical Reviews and Letters</i> , 2016, 11, 55-61.	0.8	3
25	The IncomeGini of Fairness. <i>Reports in Advances of Physical Sciences</i> , 2017, 01, 1740004.	0.2	3
26	Commentary on the Special Issue Continuation on "Single File Dynamics and Generalizations in Interdisciplinary Sciences" <i>Biophysical Reviews and Letters</i> , 2016, 11, 1-8.	0.8	2
27	Introduction to the Special Issue on Physics of Societies. <i>Reports in Advances of Physical Sciences</i> , 2017, 01, 1703001.	0.2	2
28	How to get more from less. <i>Physics of Life Reviews</i> , 2015, 13, 150-152.	2.8	1
29	Customizing Crowdfunding Approaches to Replace "Biased" Funding. <i>Reports in Advances of Physical Sciences</i> , 2017, 01, 1771001.	0.2	1
30	Are Socio-Econo-Physical Models Better to Explain Biases in Societies?. <i>Reports in Advances of Physical Sciences</i> , 2018, 02, 1850006.	0.2	1
31	<title>Stretched exponential decay and correlations from two-state single molecule trajectories (Invited Paper)</title>. , 2005, 5845, 156.		0
32	Cover Picture: Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis (<i>Angew. Chem. Int. Ed.</i> 4/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 495-495.	13.8	0
33	Mean First Passage Time in Single File Dynamics. <i>Biophysical Reviews and Letters</i> , 2016, 11, 39-54.	0.8	0
34	Unique Mechanisms From Finite Two-State Trajectories. , 2008, , 337-363.		0