

Oleg Krichevsky

List of Publications by Year in descending order

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29
papers

2,239
citations

430874

18
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

2949
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence correlation spectroscopy: the technique and its applications. Reports on Progress in Physics, 2002, 65, 251-297.	20.1	725
2	Sequence Dependent Rigidity of Single Stranded DNA. Physical Review Letters, 2000, 85, 2400-2403.	7.8	275
3	Bubble Dynamics in Double-Stranded DNA. Physical Review Letters, 2003, 90, 138101.	7.8	246
4	A Tunable Diffusion-Consumption Mechanism of Cytokine Propagation Enables Plasticity in Cell-to-Cell Communication in the Immune System. Immunity, 2017, 46, 609-620.	14.3	136
5	Monomer Dynamics in Double- and Single-Stranded DNA Polymers. Physical Review Letters, 2004, 92, 048303.	7.8	130
6	Competition for IL-2 between Regulatory and Effector T Cells to Chisel Immune Responses. Frontiers in Immunology, 2012, 3, 268.	4.8	96
7	Correlated Ostwald ripening in two dimensions. Physical Review Letters, 1993, 70, 1473-1476.	7.8	83
8	Sequence Sensitivity of Breathing Dynamics in Heteropolymer DNA. Physical Review Letters, 2006, 97, 128105.	7.8	66
9	Actin Turnover in Lamellipodial Fragments. Current Biology, 2017, 27, 2963-2973.e14.	3.9	58
10	T cells translate individual, quantal activation into collective, analog cytokine responses via time-integrated feedbacks. ELife, 2014, 3, e01944.	6.0	57
11	Breathing Dynamics in Heteropolymer DNA. Biophysical Journal, 2007, 92, 2674-2684.	0.5	50
12	Intravital Imaging Reveals Motility of Adult Hematopoietic Stem Cells in the Bone Marrow Niche. Cell Stem Cell, 2020, 27, 336-345.e4.	11.1	49
13	End-Monomer Dynamics in Semiflexible Polymers. Macromolecules, 2009, 42, 860-875.	4.8	41
14	Internal Structure and Dynamics of Isolated Escherichia coli Nucleoids Assessed by Fluorescence Correlation Spectroscopy. Biophysical Journal, 2007, 92, 2875-2884.	0.5	35
15	Ostwald ripening in a two-dimensional system: Correlation effects. Physical Review E, 1995, 52, 1818-1827.	2.1	34
16	Catch and Release of Cytokines Mediated by Tumor Phosphatidylserine Converts Transient Exposure into Long-Lived Inflammation. Molecular Cell, 2017, 66, 635-647.e7.	9.7	34
17	Selection mechanism and area distribution in two-dimensional cellular structures. Physical Review E, 1993, 47, 812-819.	2.1	23
18	Fluorescence correlation spectroscopy analysis of segmental dynamics in actin filaments. Journal of Chemical Physics, 2006, 125, 084903.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Dynamics of a fluorophore attached to superhelical DNA: FCS experiments simulated by Brownian dynamics. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10671.	2.8	17
20	Topological Distribution of Survivors in an Evolving Cellular Structure. <i>Physical Review Letters</i> , 1994, 73, 756-759.	7.8	16
21	Marginal Nature of DNA Solutions. <i>Physical Review Letters</i> , 2010, 104, 128101.	7.8	12
22	Universality of Persistence Exponents in Two-Dimensional Ostwald Ripening. <i>Physical Review Letters</i> , 2009, 103, 226101.	7.8	10
23	Goddard et al. Reply:. <i>Physical Review Letters</i> , 2002, 88, .	7.8	8
24	Comment on "Polymer Dynamics, Fluorescence Correlation Spectroscopy, and the Limits of Optical Resolution". <i>Physical Review Letters</i> , 2013, 110, 159801.	7.8	8
25	DNA overstretched state: S-DNA form or force-induced melting?. <i>Physics of Life Reviews</i> , 2010, 7, 350-352.	2.8	5
26	T4 Lysozyme as a Pac-Man: How Fast Can It Chew?. <i>Biophysical Journal</i> , 2012, 103, 1414-1415.	0.5	3
27	Imaging Cytokine Concentration Fields Using PlaneView Imaging Devices. <i>Bio-protocol</i> , 2018, 8, e2788.	0.4	1
28	Dynamics of DNA conformations and DNA-protein interactions. <i>Materials Research Society Symposia Proceedings</i> , 2005, 899, 1.	0.1	0
29	Scanning fluorescence correlation spectroscopy as a versatile tool to measure static and dynamic properties of soft matter systems. <i>Soft Matter</i> , 2015, 11, 8939-8947.	2.7	0