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	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
2	Imaging Cytokine Concentration Fields Using PlaneView Imaging Devices. Bio-protocol, 2018, 8, e2788.	0.4	1
3	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
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	Actin Turnover in Lamellipodial Fragments. Current Biology, 2017, 27, 2963-2973.e14.	3.9	58
6	Scanning fluorescence correlation spectroscopy as a versatile tool to measure static and dynamic properties of soft matter systems. Soft Matter, 2015, 11, 8939-8947.	2.7	0
7	T cells translate individual, quantal activation into collective, analog cytokine responses via time-integrated feedbacks. ELife, 2014, 3, e01944.	6.0	57
8	Comment on â€œPolymer Dynamics, Fluorescence Correlation Spectroscopy, and the Limits of Optical Resolutionâ€• Physical Review Letters, 2013, 110, 159801.	7.8	8
9	Competition for IL-2 between Regulatory and Effector T Cells to Chisel Immune Responses. Frontiers in Immunology, 2012, 3, 268.	4.8	96
10	T4 Lysozyme as a Pac-Man: How Fast Can It Chew?. Biophysical Journal, 2012, 103, 1414-1415.	0.5	3
11	DNA overstretched state: S-DNA form or force-induced melting?. Physics of Life Reviews, 2010, 7, 350-352.	2.8	5
12	Marginal Nature of DNA Solutions. Physical Review Letters, 2010, 104, 128101.	7.8	12
13	Universality of Persistence Exponents in Two-Dimensional Ostwald Ripening. Physical Review Letters, 2009, 103, 226101.	7.8	10
14	End-Monomer Dynamics in Semiflexible Polymers. Macromolecules, 2009, 42, 860-875.	4.8	41
15	Dynamics of a fluorophore attached to superhelical DNA: FCS experiments simulated by Brownian dynamics. Physical Chemistry Chemical Physics, 2009, 11, 10671.	2.8	17
16	Internal Structure and Dynamics of Isolated Escherichia coli Nucleoids Assessed by Fluorescence Correlation Spectroscopy. Biophysical Journal, 2007, 92, 2875-2884.	0.5	35
17	Breathing Dynamics in Heteropolymer DNA. Biophysical Journal, 2007, 92, 2674-2684.	0.5	50
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	Sequence Sensitivity of Breathing Dynamics in Heteropolymer DNA. Physical Review Letters, 2006, 97, 128105.	7.8	66
20	Dynamics of DNA conformations and DNA-protein interactions. Materials Research Society Symposia Proceedings, 2005, 899, 1.	0.1	0
21	Monomer Dynamics in Double- and Single-Stranded DNA Polymers. Physical Review Letters, 2004, 92, 048303.	7.8	130
22	Bubble Dynamics in Double-Stranded DNA. Physical Review Letters, 2003, 90, 138101.	7.8	246
23	Goddardet al.Reply:. Physical Review Letters, 2002, 88, .	7.8	8
24	Fluorescence correlation spectroscopy: the technique and its applications. Reports on Progress in Physics, 2002, 65, 251-297.	20.1	725
25	Sequence Dependent Rigidity of Single Stranded DNA. Physical Review Letters, 2000, 85, 2400-2403.	7.8	275
26	Ostwald ripening in a two-dimensional system: Correlation effects. Physical Review E, 1995, 52, 1818-1827.	2.1	34
27	Topological Distribution of Survivors in an Evolving Cellular Structure. Physical Review Letters, 1994, 73, 756-759.	7.8	16
28	Correlated Ostwald ripening in two dimensions. Physical Review Letters, 1993, 70, 1473-1476.	7.8	83
29	Selection mechanism and area distribution in two-dimensional cellular structures. Physical Review E, 1993, 47, 812-819.	2.1	23