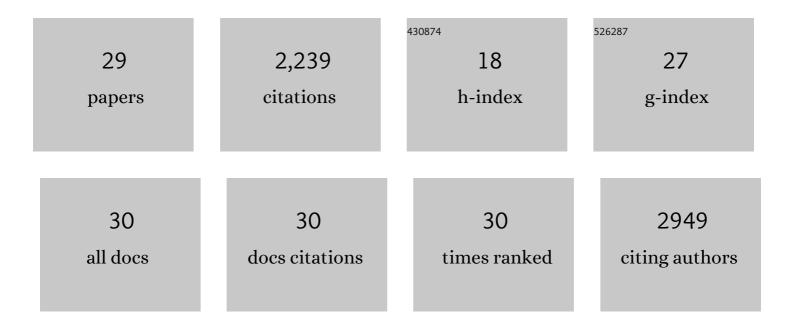
Oleg Krichevsky

List of Publications by Year in descending order

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#	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

Oleg Krichevsky

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