Alexandra Zidovska

List of Publications by Year
in descending order

33	1,598	430442 18	525886 27
papers	citations	h-index	g-index

35	35	35	1728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Columnar Phase of Dendritic Lipidâ˜Based Cationic Liposomeâ˜DNA Complexes for Gene Delivery:Â Hexagonally Ordered Cylindrical Micelles Embedded in a DNA Honeycomb Lattice. Journal of the American Chemical Society, 2006, 128, 3998-4006.	6.6	236
2	Micron-scale coherence in interphase chromatin dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15555-15560.	3.3	232
3	Cationic Liposomeâ€“Nucleic Acid Complexes for Gene Delivery and Silencing: Pathways and Mechanisms for Plasmid DNA and siRNA. Topics in Current Chemistry, 2010, 296, 191-226.	4.0	131
4	Surface Fluctuations and Coalescence of Nucleolar Droplets in the Human Cell Nucleus. Physical Review Letters, 2018, 121, 148101.	2.9	119
5	Chromatin Hydrodynamics. Biophysical Journal, 2014, 106, 1871-1881.	0.2	112
6	On the origin of shape fluctuations of the cell nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10338-10343.	3.3	103
7	Extensile motor activity drives coherent motions in a model of interphase chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11442-11447.	3.3	83
8	Nucleolar dynamics and interactions with nucleoplasm in living cells. ELife, 2019, 8, .	2.8	80
9	Liquid Crystalline Phases of Dendritic Lipidâ˜DNA Self-Assemblies: Lamellar, Hexagonal, and DNA Bundles. Journal of Physical Chemistry B, 2009, 113, 3694-3703.	1.2	62
10	Brownian Motion of Nucleated Cell Envelopes Impedes Adhesion. Physical Review Letters, 2006, 96, 048103.	2.9	61
11	The Role of Cholesterol and Structurally Related Molecules in Enhancing Transfection of Cationic Liposomeâ˜DNA Complexes. Journal of Physical Chemistry B, 2009, 113, 5208-5216.	1.2	50
12	The rich inner life of the cell nucleus: dynamic organization, active flows, and emergent rheology. Biophysical Reviews, 2020, 12, 1093-1106.	1.5	45
13	Interphase Chromatin Undergoes a Local Sol-Gel Transition upon Cell Differentiation. Physical Review Letters, 2021, 126, 228101.	2.9	37
14	Block Liposomes from Curvature-Stabilizing Lipids: Connected Nanotubes, -rods, or -spheres. Langmuir, 2009, 25, 2979-2985.	1.6	32
15	On the Mechanical Stabilization of Filopodia. Biophysical Journal, 2011, 100, 1428-1437.	0.2	32
16	The self-stirred genome: large-scale chromatin dynamics, its biophysical origins and implications. Current Opinion in Genetics and Development, 2020, 61, 83-90.	1.5	28
17	Structural and Dynamical Signatures of Local DNA Damage in Live Cells. Biophysical Journal, 2020, 118, 2168-2180.	0.2	24
18	Development of Time-Integrated Multipoint Moment Analysis for Spatially Resolved Fluctuation Spectroscopy with High Time Resolution. Biophysical Journal, 2011, 101, 1546-1554.	0.2	21

#	Article	IF	Citations
19	Chromatin: Liquid or Solid?. Cell, 2020, 183, 1737-1739.	13.5	21
20	Nanoscale Assembly in Biological Systems: From Neuronal Cytoskeletal Proteins to Curvature Stabilizing Lipids. Advanced Materials, 2011, 23, 2260-2270.	11.1	19
21	The effect of salt and pH on block liposomes studied by cryogenic transmission electron microscopy. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1869-1876.	1.4	15
22	Block Liposomes. Methods in Enzymology, 2009, 465, 111-128.	0.4	15
23	Anomalous Convective Flows Carve Pinnacles and Scallops in Melting Ice. Physical Review Letters, 2022, 128, 044502.	2.9	15
24	Block liposome and nanotube formation is a general phenomenon of two-component membranes containing multivalent lipids. Soft Matter, 2011, 7, 8363.	1.2	11
25	Mechanical stress affects dynamics and rheology of the human genome. Soft Matter, 2021, 18, 107-116.	1.2	6
26	Tethered tracer in a mixture of hot and cold Brownian particles: can activity pacify fluctuations?. Soft Matter, 2021, 17, 9528-9539.	1.2	4
27	The â€œSelf-Stirredâ€•Genome: Bulk and Surface Dynamics of the Chromatin Globule. Biophysical Journal, 2017, 112, 180a.	0.2	2
28	Formation of Block Liposomes is a General Phenomenon of Charged Membranes. Biophysical Journal, 2009, 96, 458a.	0.2	0
29	Linking the Active Undulations of Nuclear Envelope with Surface Fluctuations of the Chromatin Globule. Biophysical Journal, 2017, 112, 374a-375a.	0.2	0
30	Repacking chromatin for therapy. Nature Biomedical Engineering, 2017, 1, 858-859.	11.6	0
31	Nuclear espionage. Nature Physics, 2021, 17, 436-437.	6.5	0
32	Characterization of Centromeres and Telomeres in Human Cells. Biophysical Journal, 2021, 120, 318a.	0.2	0
33	Dynamic self-organization of the human genome during the cell cycle. Biophysical Journal, 2022, 121, 476a.	0.2	0