

# Alexandra Zidovska

## List of Publications by Year in descending order

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33  
papers

1,598  
citations

430442

18  
h-index

525886

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Convective Flows Carve Pinnacles and Scallops in Melting Ice. <i>Physical Review Letters</i> , 2022, 128, 044502.	2.9	15
2	Dynamic self-organization of the human genome during the cell cycle. <i>Biophysical Journal</i> , 2022, 121, 476a.	0.2	0
3	Nuclear espionage. <i>Nature Physics</i> , 2021, 17, 436-437.	6.5	0
4	Characterization of Centromeres and Telomeres in Human Cells. <i>Biophysical Journal</i> , 2021, 120, 318a.	0.2	0
5	Interphase Chromatin Undergoes a Local Sol-Gel Transition upon Cell Differentiation. <i>Physical Review Letters</i> , 2021, 126, 228101.	2.9	37
6	Tethered tracer in a mixture of hot and cold Brownian particles: can activity pacify fluctuations?. <i>Soft Matter</i> , 2021, 17, 9528-9539.	1.2	4
7	Mechanical stress affects dynamics and rheology of the human genome. <i>Soft Matter</i> , 2021, 18, 107-116.	1.2	6
8	Structural and Dynamical Signatures of Local DNA Damage in Live Cells. <i>Biophysical Journal</i> , 2020, 118, 2168-2180.	0.2	24
9	The rich inner life of the cell nucleus: dynamic organization, active flows, and emergent rheology. <i>Biophysical Reviews</i> , 2020, 12, 1093-1106.	1.5	45
10	Chromatin: Liquid or Solid?. <i>Cell</i> , 2020, 183, 1737-1739.	13.5	21
11	The self-stirred genome: large-scale chromatin dynamics, its biophysical origins and implications. <i>Current Opinion in Genetics and Development</i> , 2020, 61, 83-90.	1.5	28
12	Nucleolar dynamics and interactions with nucleoplasm in living cells. <i>ELife</i> , 2019, 8, .	2.8	80
13	Surface Fluctuations and Coalescence of Nucleolar Droplets in the Human Cell Nucleus. <i>Physical Review Letters</i> , 2018, 121, 148101.	2.9	119
14	Extensile motor activity drives coherent motions in a model of interphase chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11442-11447.	3.3	83
15	Linking the Active Undulations of Nuclear Envelope with Surface Fluctuations of the Chromatin Globule. <i>Biophysical Journal</i> , 2017, 112, 374a-375a.	0.2	0
16	The "Self-Stirred" Genome: Bulk and Surface Dynamics of the Chromatin Globule. <i>Biophysical Journal</i> , 2017, 112, 180a.	0.2	2
17	On the origin of shape fluctuations of the cell nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10338-10343.	3.3	103
18	Repacking chromatin for therapy. <i>Nature Biomedical Engineering</i> , 2017, 1, 858-859.	11.6	0

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19	Chromatin Hydrodynamics. <i>Biophysical Journal</i> , 2014, 106, 1871-1881.	0.2	112
20	Micron-scale coherence in interphase chromatin dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15555-15560.	3.3	232
21	Block liposome and nanotube formation is a general phenomenon of two-component membranes containing multivalent lipids. <i>Soft Matter</i> , 2011, 7, 8363.	1.2	11
22	On the Mechanical Stabilization of Filopodia. <i>Biophysical Journal</i> , 2011, 100, 1428-1437.	0.2	32
23	Development of Time-Integrated Multipoint Moment Analysis for Spatially Resolved Fluctuation Spectroscopy with High Time Resolution. <i>Biophysical Journal</i> , 2011, 101, 1546-1554.	0.2	21
24	Nanoscale Assembly in Biological Systems: From Neuronal Cytoskeletal Proteins to Curvature Stabilizing Lipids. <i>Advanced Materials</i> , 2011, 23, 2260-2270.	11.1	19
25	Cationic Liposome–Nucleic Acid Complexes for Gene Delivery and Silencing: Pathways and Mechanisms for Plasmid DNA and siRNA. <i>Topics in Current Chemistry</i> , 2010, 296, 191-226.	4.0	131
26	The Role of Cholesterol and Structurally Related Molecules in Enhancing Transfection of Cationic Liposome–DNA Complexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5208-5216.	1.2	50
27	Block Liposomes from Curvature-Stabilizing Lipids: Connected Nanotubes, -rods, or -spheres. <i>Langmuir</i> , 2009, 25, 2979-2985.	1.6	32
28	The effect of salt and pH on block liposomes studied by cryogenic transmission electron microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1869-1876.	1.4	15
29	Block Liposomes. <i>Methods in Enzymology</i> , 2009, 465, 111-128.	0.4	15
30	Liquid Crystalline Phases of Dendritic Lipid–DNA Self-Assemblies: Lamellar, Hexagonal, and DNA Bundles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3694-3703.	1.2	62
31	Formation of Block Liposomes is a General Phenomenon of Charged Membranes. <i>Biophysical Journal</i> , 2009, 96, 458a.	0.2	0
32	A Columnar Phase of Dendritic Lipid–Based Cationic Liposome–DNA Complexes for Gene Delivery: Hexagonally Ordered Cylindrical Micelles Embedded in a DNA Honeycomb Lattice. <i>Journal of the American Chemical Society</i> , 2006, 128, 3998-4006.	6.6	236
33	Brownian Motion of Nucleated Cell Envelopes Impedes Adhesion. <i>Physical Review Letters</i> , 2006, 96, 048103.	2.9	61