

Alena Khmelinskaia

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

492
citations

933264

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1125617

13
g-index

20
all docs

20
docs citations

20
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane sculpting by curved DNA origami scaffolds. <i>Nature Communications</i> , 2018, 9, 811.	5.8	173
2	A diffusiophoretic mechanism for ATP-driven transport without motor proteins. <i>Nature Physics</i> , 2021, 17, 850-858.	6.5	53
3	Control of lipid domain organization by a biomimetic contractile actomyosin cortex. <i>ELife</i> , 2017, 6, .	2.8	46
4	Control of Membrane Binding and Diffusion of Cholesteryl-Modified DNA Origami Nanostructures by DNA Spacers. <i>Langmuir</i> , 2018, 34, 14921-14931.	1.6	39
5	Effect of anchor positioning on binding and diffusion of elongated 3D DNA nanostructures on lipid membranes. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 194001.	1.3	31
6	Single Particle Tracking and Super-Resolution Imaging of Membrane-Assisted Stop-and-Go Diffusion and Lattice Assembly of DNA Origami. <i>ACS Nano</i> , 2019, 13, 996-1002.	7.3	28
7	Changes in Membrane Organization upon Spontaneous Insertion of 2-Hydroxylated Unsaturated Fatty Acids in the Lipid Bilayer. <i>Langmuir</i> , 2014, 30, 2117-2128.	1.6	26
8	Plasmonic Nanosensors Reveal a Height Dependence of MinDE Protein Oscillations on Membrane Features. <i>Journal of the American Chemical Society</i> , 2018, 140, 17901-17906.	6.6	26
9	Structure-based design of novel polyhedral protein nanomaterials. <i>Current Opinion in Microbiology</i> , 2021, 61, 51-57.	2.3	24
10	Liquid-Ordered Phase Formation by Mammalian and Yeast Sterols: A Common Feature With Organizational Differences. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 337.	1.8	20
11	FCS Analysis of Protein Mobility on Lipid Monolayers. <i>Biophysical Journal</i> , 2018, 114, 2444-2454.	0.2	10
12	Design of Sealable Custom-Shaped Cell Mimicries Based on Self-Assembled Monolayers on CYTOP Polymer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21372-21380.	4.0	8
13	Membrane-Mediated Self-Organization of Rod-Like DNA Origami on Supported Lipid Bilayers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101094.	1.9	4
14	Sterol Properties Required for Microdomain Formation: From Model Systems to Living Yeast and Mammalian Cells. <i>Biophysical Journal</i> , 2012, 102, 298a.	0.2	0
15	Steps for Constructing Synthetic Membrane Curvature-Inducing DNA Origami Scaffolds. <i>Biophysical Journal</i> , 2016, 110, 199a.	0.2	0
16	Breaking the Symmetry of Protein Assemblies: Structural Flexibility as a De Novo Design Principle. <i>Biophysical Journal</i> , 2020, 118, 516a-517a.	0.2	0
17	Molecular Transport and Spatial Sorting of Membrane-bound DNA Nanostructures by a Biological Reaction-diffusion System. <i>Biophysical Journal</i> , 2020, 118, 165a.	0.2	0