

Ekaterina G Kholina

List of Publications by Year in descending order

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15
papers

206
citations

1307594

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1125743

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docs citations

15
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-tubulin tail modifications regulate microtubule stability through selective effector recruitment, not changes in intrinsic polymer dynamics. <i>Developmental Cell</i> , 2021, 56, 2016-2028.e4.	7.0	55
2	Mechanical properties of tubulin intra- and inter-dimer interfaces and their implications for microtubule dynamic instability. <i>PLoS Computational Biology</i> , 2019, 15, e1007327.	3.2	35
3	Molecular Mechanism of Uptake of Cationic Photoantimicrobial Phthalocyanine across Bacterial Membranes Revealed by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3711-3722.	2.6	32
4	Cationic Antiseptics Facilitate Pore Formation in Model Bacterial Membranes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8593-8600.	2.6	20
5	The Photosensitizer Octakis(choliny)zinc Phthalocyanine with Ability to Bind to a Model Spike Protein Leads to a Loss of SARS-CoV-2 Infectivity In Vitro When Exposed to Far-Red LED. <i>Viruses</i> , 2021, 13, 643.	3.3	19
6	MitoCLOx: A Novel Mitochondria-Targeted Fluorescent Probe for Tracing Lipid Peroxidation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	4.0	15
7	What Binds Cationic Photosensitizers Better: Brownian Dynamics Reveals Key Interaction Sites on Spike Proteins of SARS-CoV, MERS-CoV, and SARS-CoV-2. <i>Viruses</i> , 2021, 13, 1615.	3.3	8
8	The effect of some antiseptic drugs on the energy transfer in chromatophore photosynthetic membranes of purple non-sulfur bacteria <i>Rhodobacter sphaeroides</i> . <i>Photosynthesis Research</i> , 2021, 147, 197-209.	2.9	5
9	Electrostatic Map of the SARS-CoV-2 Virion Specifies Binding Sites of the Antiviral Cationic Photosensitizer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7304.	4.1	5
10	Photodynamic inactivation of <i>Escherichia coli</i> bacteria by cationic photosensitizers. <i>Laser Physics Letters</i> , 2021, 18, 115601.	1.4	4
11	Molecular Dynamics Modeling of the Interaction of Cationic Fluorescent Lipid Peroxidation-Sensitive Probes with the Mitochondrial Membrane. <i>Doklady Biochemistry and Biophysics</i> , 2019, 486, 220-223.	0.9	3
12	Performance Analysis of Different Computational Architectures: Molecular Dynamics in Application to Protein Assemblies, Illustrated by Microtubule and Electron Transfer Proteins. <i>Supercomputing Frontiers and Innovations</i> , 2018, 5, .	0.4	3
13	Explicit measurement of the endotoxin adsorption efficiency detects non-Langmuir behavior at low concentrations. <i>Analytical Biochemistry</i> , 2019, 587, 113445.	2.4	1
14	Update on Performance Analysis of Different Computational Architectures: Molecular Dynamics in Application to Protein-Protein Interactions. <i>Supercomputing Frontiers and Innovations</i> , 2020, 7, .	0.4	1
15	Microtubule protofilament bending characterization. <i>Computer Research and Modeling</i> , 2020, 12, 435-443.	0.3	0