Ekaterina G Kholina

List of Publications by Year
in descending order

15	206	1307594 7	1125743 13
papers	citations	h-index	g-index

15	15	15	247
all docs	docs citations	times ranked	citing authors

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