

Yuri E Nesmelov

List of Publications by Year in descending order

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papers

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840776

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33
docs citations

33
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	The Local Environment of Loop Switch 1 Modulates the Rate of ATP-Induced Dissociation of Human Cardiac Actomyosin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1220.	4.1	0
2	Conformation of S1-S2 Complex of Human Cardiac Myosin Revealed by FRET. <i>Biophysical Journal</i> , 2021, 120, 251a.	0.5	0
3	Electrostatic interaction of loop 1 and backbone of human cardiac myosin regulates the rate of ATP induced actomyosin dissociation. <i>Journal of Muscle Research and Cell Motility</i> , 2021, , 1.	2.0	1
4	Electrostatic interactions in the SH1-SH2 helix of human cardiac myosin modulate the time of strong actomyosin binding. <i>Journal of Muscle Research and Cell Motility</i> , 2020, 42, 137-147.	2.0	4
5	CaATP prolongs strong actomyosin binding and promotes futile myosin stroke. <i>Journal of Muscle Research and Cell Motility</i> , 2019, 40, 389-398.	2.0	5
6	Electrostatic interactions in the force-generating region of the human cardiac myosin modulate ADP dissociation from actomyosin. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 978-982.	2.1	6
7	Enhancement of resolution in microspherical nanoscopy by coupling of fluorescent objects to plasmonic metasurfaces. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	37
8	Role of Electrostatic Interactions in the Isoform-Specific Rate of ADP Release from Human Cardiac Myosin. <i>Biophysical Journal</i> , 2018, 114, 140a-141a.	0.5	0
9	Structural analysis of variant of <i>Helicobacter pylori</i> MotB in its activated form, engineered as chimera of MotB and leucine zipper. <i>Scientific Reports</i> , 2017, 7, 13435.	3.3	12
10	Metal cation controls phosphate release in the myosin ATPase. <i>Protein Science</i> , 2017, 26, 2181-2186.	7.6	3
11	Quantification of resolution in microspherical nanoscopy with biological objects. , 2017, , .		3
12	Spotlight on microspherical nanoscopy: Experimental quantification of super-resolution. , 2017, , .		3
13	Microsphere nanoscopy for imaging of actin proteins. , 2016, , .		6
14	Macromolecular Crowding Modulates Actomyosin Kinetics. <i>Biophysical Journal</i> , 2016, 111, 178-184.	0.5	12
15	Role of the Coil-Helix Transition within Loop2 in Cardiac Myosin Kinetics Modulation. <i>Biophysical Journal</i> , 2014, 106, 157a.	0.5	0
16	Protein Structural Dynamics Revealed by Site-Directed Spin Labeling and Multifrequency EPR. <i>Methods in Molecular Biology</i> , 2014, 1084, 63-79.	0.9	4
17	Lactose binding to human galectin-7 (p53-induced gene 1) induces long-range effects through the protein resulting in increased dimer stability and evidence for positive cooperativity. <i>Glycobiology</i> , 2013, 23, 508-523.	2.5	42
18	Metal cation controls myosin and actomyosin kinetics. <i>Protein Science</i> , 2013, 22, 1766-1774.	7.6	7

#	ARTICLE	IF	CITATIONS
19	Mn ²⁺ Nucleotide Coordination at the Myosin Active Site As Detected by Pulsed Electron Paramagnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13655-13662.	2.6	6
20	Early stages of the recovery stroke in myosin II studied by molecular dynamics simulations. <i>Protein Science</i> , 2011, 20, 2013-2022.	7.6	12
21	Structural kinetics of myosin by transient time-resolved FRET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1891-1896.	7.1	46
22	Protein structural dynamics revealed by site-directed spin labeling and multifrequency EPR. <i>Biophysical Reviews</i> , 2010, 2, 91-99.	3.2	27
23	Structural dynamics of the myosin relay helix by time-resolved EPR and FRET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21625-21630.	7.1	51
24	Structure and Dynamics of the Force-Generating Domain of Myosin Probed by Multifrequency Electron Paramagnetic Resonance. <i>Biophysical Journal</i> , 2008, 95, 247-256.	0.5	25
25	Muscle and nonmuscle myosins probed by a spin label at equivalent sites in the force-generating domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13397-13402.	7.1	26
26	Rotational Dynamics of Phospholamban Determined by Multifrequency Electron Paramagnetic Resonance. <i>Biophysical Journal</i> , 2007, 93, 2805-2812.	0.5	42
27	Multibore sample cell increases EPR sensitivity for aqueous samples. <i>Journal of Magnetic Resonance</i> , 2006, 178, 318-324.	2.1	7
28	Site-directed spin labeling reveals a conformational switch in the phosphorylation domain of smooth muscle myosin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4000-4005.	7.1	42
29	Phospholamban structural dynamics in lipid bilayers probed by a spin label rigidly coupled to the peptide backbone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14437-14442.	7.1	110
30	Aqueous sample in an EPR cavity: sensitivity considerations. <i>Journal of Magnetic Resonance</i> , 2004, 167, 138-146.	2.1	22