Marek Orzechowski

List of Publications by Year
in descending order

14	499	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible Fitting of High-Resolution X-Ray Structures into Cryoelectron Microscopy Maps Using Biased Molecular Dynamics Simulations. Biophysical Journal, 2008, 95, 5692-5705.	0.5	101
2	Gestalt-Binding of tropomyosin on actin during thin filament activation. Journal of Muscle Research and Cell Motility, 2013, 34, 155-163.	2.0	53
3	An Atomic Model of the Tropomyosin Cable on F-actin. Biophysical Journal, 2014, 107, 694-699.	0.5	49
4	Energy landscapes reveal the myopathic effects of tropomyosin mutations. Archives of Biochemistry and Biophysics, 2014, 564, 89-99.	3.0	48
5	Biased coarse-grained molecular dynamics simulation approach for flexible fitting of X-ray structure into cryo electron microscopy maps. Journal of Structural Biology, 2010, 169, 95-105.	2.8	47
6	Three-Dimensional Organization of Troponin on Cardiac Muscle Thin Filaments in the Relaxed State. Biophysical Journal, 2014, 106, 855-864.	0.5	46
7	Structure and flexibility of the tropomyosin overlap junction. Biochemical and Biophysical Research Communications, 2014, 446, 304-308.	2.1	37
8	Tropomyosin movement on F-actin during muscle activation explained by energy landscapes. Archives of Biochemistry and Biophysics, 2014, 545, 63-68.	3.0	29
9	Electrostatic interaction map reveals a new binding position for tropomyosin on F-actin. Journal of Muscle Research and Cell Motility, 2015, 36, 525-533.	2.0	25
10	The structural dynamics of Î±-tropomyosin on F-actin shape the overlap complex between adjacent tropomyosin molecules. Archives of Biochemistry and Biophysics, 2014, 552-553, 68-73.	3.0	22
11	HCM and DCM cardiomyopathy-linked Î±-tropomyosin mutations influence off-state stability and crossbridge interaction on thin filaments. Archives of Biochemistry and Biophysics, 2018, 647, 84-92.	3.0	19
12	Dynamics of Water Filaments in Disordered Environments. Journal of Physical Chemistry B, 2010, 114, 12203-12212.	2.6	12
13	Theoretical calculation of the coiled-coil stability in water in the context of its possible use as a molecular rack. Journal of Computational Chemistry, 2002, 23, 106-110.	3.3	10
14	Tropomyosin Movement on F-actin Analyzed by Energy Landscape Determination. Biophysical Journal, 2012, 102, 17a.	0.5	1