

# Marek Orzechowski

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

499  
citations

759233

12  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

468  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | HCM and DCM cardiomyopathy-linked $\hat{I}\pm$ -tropomyosin mutations influence off-state stability and crossbridge interaction on thin filaments. Archives of Biochemistry and Biophysics, 2018, 647, 84-92. | 3.0 | 19        |
| 2  | 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        |
| 3  | The structural dynamics of $\hat{I}\pm$ -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        |
| 4  | Structure and flexibility of the tropomyosin overlap junction. Biochemical and Biophysical Research Communications, 2014, 446, 304-308.   | 2.1 | 37        |
| 5  | Three-Dimensional Organization of Troponin on Cardiac Muscle Thin Filaments in the Relaxed State. Biophysical Journal, 2014, 106, 855-864.  | 0.5 | 46        |
| 6  | Tropomyosin movement on F-actin during muscle activation explained by energy landscapes. Archives of Biochemistry and Biophysics, 2014, 545, 63-68.   | 3.0 | 29        |
| 7  | Energy landscapes reveal the myopathic effects of tropomyosin mutations. Archives of Biochemistry and Biophysics, 2014, 564, 89-99.   | 3.0 | 48        |
| 8  | An Atomic Model of the Tropomyosin Cable on F-actin. Biophysical Journal, 2014, 107, 694-699.   | 0.5 | 49        |
| 9  | Gestalt-Binding of tropomyosin on actin during thin filament activation. Journal of Muscle Research and Cell Motility, 2013, 34, 155-163.   | 2.0 | 53        |
| 10 | Tropomyosin Movement on F-actin Analyzed by Energy Landscape Determination. Biophysical Journal, 2012, 102, 17a.  | 0.5 | 1         |
| 11 | Dynamics of Water Filaments in Disordered Environments. Journal of Physical Chemistry B, 2010, 114, 12203-12212.  | 2.6 | 12        |
| 12 | 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        |
| 13 | 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       |
| 14 | 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        |