

# William Lehman

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122  
papers

5,771  
citations

42  
h-index

73  
g-index

129  
ext. papers

6,193  
ext. citations

6.5  
avg, IF

5.61  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 122 | Steric-model for activation of muscle thin filaments. <i>Journal of Molecular Biology</i> , <b>1997</b> , 266, 8-14  | 6.5  | 401       |
| 121 | Regulation in molluscan muscles. <i>Journal of Molecular Biology</i> , <b>1970</b> , 54, 313-26  | 6.5  | 340       |
| 120 | Ca(2+)-induced tropomyosin movement in Limulus thin filaments revealed by three-dimensional reconstruction. <i>Nature</i> , <b>1994</b> , 368, 65-7  | 50.4 | 289       |
| 119 | Structure of the F-actin-tropomyosin complex. <i>Nature</i> , <b>2015</b> , 519, 114-7   | 50.4 | 256       |
| 118 | Tropomyosin and actin isoforms modulate the localization of tropomyosin strands on actin filaments. <i>Journal of Molecular Biology</i> , <b>2000</b> , 302, 593-606   | 6.5  | 225       |
| 117 | Steric-blocking by tropomyosin visualized in relaxed vertebrate muscle thin filaments. <i>Journal of Molecular Biology</i> , <b>1995</b> , 251, 191-6  | 6.5  | 160       |
| 116 | Tropomyosin positions in regulated thin filaments revealed by cryoelectron microscopy. <i>Biophysical Journal</i> , <b>1999</b> , 77, 985-92   | 2.9  | 156       |
| 115 | A comparison of muscle thin filament models obtained from electron microscopy reconstructions and low-angle X-ray fibre diagrams from non-overlap muscle. <i>Journal of Structural Biology</i> , <b>2006</b> , 155, 273-84 | 3.4  | 141       |
| 114 | Tropomyosin position on F-actin revealed by EM reconstruction and computational chemistry. <i>Biophysical Journal</i> , <b>2011</b> , 100, 1005-13   | 2.9  | 135       |
| 113 | An atomic model of the thin filament in the relaxed and Ca <sup>2+</sup> -activated states. <i>Journal of Molecular Biology</i> , <b>2006</b> , 357, 707-17  | 6.5  | 123       |
| 112 | Structural basis for the regulation of muscle contraction by troponin and tropomyosin. <i>Journal of Molecular Biology</i> , <b>2008</b> , 379, 929-35   | 6.5  | 122       |
| 111 | Gestalt-binding of tropomyosin to actin filaments. <i>Journal of Muscle Research and Cell Motility</i> , <b>2008</b> , 29, 213-9   | 3.5  | 117       |
| 110 | Crossbridge and tropomyosin positions observed in native, interacting thick and thin filaments. <i>Journal of Molecular Biology</i> , <b>2001</b> , 311, 1027-36   | 6.5  | 117       |
| 109 | An atomic model of fimbrin binding to F-actin and its implications for filament crosslinking and regulation. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 787-92  |      | 110       |
| 108 | Single particle analysis of relaxed and activated muscle thin filaments. <i>Journal of Molecular Biology</i> , <b>2005</b> , 346, 761-72   | 6.5  | 100       |
| 107 | The shape and flexibility of tropomyosin coiled coils: implications for actin filament assembly and regulation. <i>Journal of Molecular Biology</i> , <b>2010</b> , 395, 327-39  | 6.5  | 97        |
| 106 | Troponin organization on relaxed and activated thin filaments revealed by electron microscopy and three-dimensional reconstruction. <i>Journal of Molecular Biology</i> , <b>2001</b> , 307, 739-44                        | 6.5  | 84        |

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|-----|---|------|----|
| 105 | The troponin tail domain promotes a conformational state of the thin filament that suppresses myosin activity. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 27636-42                                     | 5.4  | 83 |
| 104 | Tropomyosin and the steric mechanism of muscle regulation. <i>Advances in Experimental Medicine and Biology</i> , <b>2008</b> , 644, 95-109   | 3.6  | 75 |
| 103 | The recruitment of acetylated and unacetylated tropomyosin to distinct actin polymers permits the discrete regulation of specific myosins in fission yeast. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 3235-43 | 5.3  | 72 |
| 102 | Structural basis for the activation of muscle contraction by troponin and tropomyosin. <i>Journal of Molecular Biology</i> , <b>2009</b> , 388, 673-81  | 6.5  | 69 |
| 101 | The relationship between curvature, flexibility and persistence length in the tropomyosin coiled-coil. <i>Journal of Structural Biology</i> , <b>2010</b> , 170, 313-8  | 3.4  | 68 |
| 100 | Acetylation regulates tropomyosin function in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Journal of Cell Science</i> , <b>2007</b> , 120, 1635-45  | 5.3  | 68 |
| 99  | Three-dimensional reconstruction of caldesmon-containing smooth muscle thin filaments. <i>Journal of Cell Biology</i> , <b>1993</b> , 123, 313-21   | 7.3  | 67 |
| 98  | An atomic model for actin binding by the CH domains and spectrin-repeat modules of utrophin and dystrophin. <i>Journal of Molecular Biology</i> , <b>2003</b> , 329, 15-33  | 6.5  | 66 |
| 97  | Caldesmon and the structure of smooth muscle thin filaments: electron microscopy of isolated thin filaments. <i>Journal of Muscle Research and Cell Motility</i> , <b>1990</b> , 11, 176-85                             | 3.5  | 65 |
| 96  | Thick-filament-linked calcium regulation in vertebrate striated muscle. <i>Nature</i> , <b>1978</b> , 274, 80-1   | 50.4 | 65 |
| 95  | Mutations in repeating structural motifs of tropomyosin cause gain of function in skeletal muscle myopathy patients. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 4978-87  | 5.6  | 62 |
| 94  | 3-D image reconstruction of reconstituted smooth muscle thin filaments containing calponin: visualization of interactions between F-actin and calponin. <i>Journal of Molecular Biology</i> , <b>1997</b> , 273, 150-9  | 6.5  | 62 |
| 93  | Electron microscopy and 3D reconstruction of F-actin decorated with cardiac myosin-binding protein C (cMyBP-C). <i>Journal of Molecular Biology</i> , <b>2011</b> , 410, 214-25   | 6.5  | 58 |
| 92  | Three-dimensional image reconstruction of reconstituted smooth muscle thin filaments: effects of caldesmon. <i>Biophysical Journal</i> , <b>1997</b> , 72, 2398-404   | 2.9  | 56 |
| 91  | Activation of the adenosine triphosphatase of <i>Limulus polyphemus</i> actomyosin by tropomyosin. <i>Journal of General Physiology</i> , <b>1972</b> , 59, 375-87  | 3.4  | 52 |
| 90  | Gestalt-binding of tropomyosin on actin during thin filament activation. <i>Journal of Muscle Research and Cell Motility</i> , <b>2013</b> , 34, 155-63   | 3.5  | 49 |
| 89  | The C terminus of cardiac troponin I stabilizes the Ca <sup>2+</sup> -activated state of tropomyosin on actin filaments. <i>Circulation Research</i> , <b>2010</b> , 106, 705-11  | 15.7 | 49 |
| 88  | Caldesmon and the structure of smooth muscle thin filaments: immunolocalization of caldesmon on thin filaments. <i>Journal of Muscle Research and Cell Motility</i> , <b>1989</b> , 10, 101-12                          | 3.5  | 47 |

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|----|---|------|----|
| 87 | FlnA binding to PACSIN2 F-BAR domain regulates membrane tubulation in megakaryocytes and platelets. <i>Blood</i> , <b>2015</b> , 126, 80-8  | 2.2  | 44 |
| 86 | An atomic model of the tropomyosin cable on F-actin. <i>Biophysical Journal</i> , <b>2014</b> , 107, 694-699  | 2.9  | 43 |
| 85 | Calcium-dependent myosin from insect flight muscles. <i>Journal of General Physiology</i> , <b>1974</b> , 63, 553-63  | 3.4  | 43 |
| 84 | Electron microscopy and persistence length analysis of semi-rigid smooth muscle tropomyosin strands. <i>Biophysical Journal</i> , <b>2010</b> , 99, 862-8   | 2.9  | 42 |
| 83 | Visualization of caldesmon on smooth muscle thin filaments. <i>Journal of Molecular Biology</i> , <b>1997</b> , 274, 310-7  | 6.5  | 42 |
| 82 | Three-dimensional reconstruction of thin filaments containing mutant tropomyosin. <i>Biophysical Journal</i> , <b>2000</b> , 78, 908-17   | 2.9  | 42 |
| 81 | Thin Filament Structure and the Steric Blocking Model. <i>Comprehensive Physiology</i> , <b>2016</b> , 6, 1043-69   | 7.7  | 42 |
| 80 | Modes of caldesmon binding to actin: sites of caldesmon contact and modulation of interactions by phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53387-94                     | 5.4  | 41 |
| 79 | The flexibility of two tropomyosin mutants, D175N and E180G, that cause hypertrophic cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 424, 493-6                  | 3.4  | 40 |
| 78 | Hybrid troponin reconstituted from vertebrate and arthropod subunits. <i>Nature</i> , <b>1975</b> , 255, 424-6  | 50.4 | 40 |
| 77 | Three-dimensional organization of troponin on cardiac muscle thin filaments in the relaxed state. <i>Biophysical Journal</i> , <b>2014</b> , 106, 855-64  | 2.9  | 39 |
| 76 | The stoichiometry of the components of arthropod thin filaments. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , <b>1976</b> , 434, 215-22   |      | 39 |
| 75 | Energy landscapes reveal the myopathic effects of tropomyosin mutations. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 564, 89-99  | 4.1  | 38 |
| 74 | Troponin C in brain. <i>Nature</i> , <b>1975</b> , 258, 260-7   | 50.4 | 38 |
| 73 | Drosophila muscle regulation characterized by electron microscopy and three-dimensional reconstruction of thin filament mutants. <i>Biophysical Journal</i> , <b>2004</b> , 86, 1618-24                     | 2.9  | 37 |
| 72 | Myosin light chain kinase binding to a unique site on F-actin revealed by three-dimensional image reconstruction. <i>Journal of Cell Biology</i> , <b>2001</b> , 154, 611-7                                 | 7.3  | 36 |
| 71 | Structure and flexibility of the tropomyosin overlap junction. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 446, 304-8  | 3.4  | 33 |
| 70 | Tropomyosin variants describe distinct functional subcellular domains in differentiated vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2011</b> , 300, C1356-65 | 5.4  | 32 |

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|----|---|------|----|
| 69 | Structural determinants of muscle thin filament cooperativity. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 594, 8-17   | 4.1  | 31 |
| 68 | Diversity in smooth muscle thin filament composition. <i>BBA - Proteins and Proteomics</i> , <b>1987</b> , 914, 35-9  |      | 31 |
| 67 | Direct observation of tropomyosin binding to actin filaments. <i>Cytoskeleton</i> , <b>2015</b> , 72, 292-303   | 2.4  | 30 |
| 66 | A <i>Drosophila melanogaster</i> model of diastolic dysfunction and cardiomyopathy based on impaired troponin-T function. <i>Circulation Research</i> , <b>2014</b> , 114, e6-17                          | 15.7 | 30 |
| 65 | Tropomyosin movement on F-actin during muscle activation explained by energy landscapes. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 545, 63-8   | 4.1  | 28 |
| 64 | Mini-thin filaments regulated by troponin-tropomyosin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 656-61                                 | 11.5 | 28 |
| 63 | Thin-filament-linked regulation in molluscan muscles. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , <b>1981</b> , 668, 349-56  |      | 28 |
| 62 | Structural analysis of smooth muscle tropomyosin $\beta$ and $\gamma$ isoforms. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 3165-74   | 5.4  | 25 |
| 61 | Curvature variation along the tropomyosin molecule. <i>Journal of Structural Biology</i> , <b>2010</b> , 170, 307-12  | 3.4  | 25 |
| 60 | Structure and dynamics of the actin-based smooth muscle contractile and cytoskeletal apparatus. <i>Journal of Muscle Research and Cell Motility</i> , <b>2012</b> , 33, 461-9                             | 3.5  | 24 |
| 59 | Phosphorylation of Ser283 enhances the stiffness of the tropomyosin head-to-tail overlap domain. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 571, 10-5                                 | 4.1  | 23 |
| 58 | Switching Muscles On and Off in Steps: The McKillop-Geeves Three-State Model of Muscle Regulation. <i>Biophysical Journal</i> , <b>2017</b> , 112, 2459-2466  | 2.9  | 22 |
| 57 | Polymorphism in tropomyosin structure and function. <i>Journal of Muscle Research and Cell Motility</i> , <b>2013</b> , 34, 177-87  | 3.5  | 22 |
| 56 | Cortactin binding to F-actin revealed by electron microscopy and 3D reconstruction. <i>Journal of Molecular Biology</i> , <b>2006</b> , 359, 840-7  | 6.5  | 22 |
| 55 | Distortion of the Actin A-Triad Results in Contractile Disinhibition and Cardiomyopathy. <i>Cell Reports</i> , <b>2017</b> , 20, 2612-2625  | 10.6 | 21 |
| 54 | Electrostatic interaction map reveals a new binding position for tropomyosin on F-actin. <i>Journal of Muscle Research and Cell Motility</i> , <b>2015</b> , 36, 525-33                                   | 3.5  | 19 |
| 53 | Tarantula myosin free head regulatory light chain phosphorylation stiffens N-terminal extension, releasing it and blocking its docking back. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 2180-9       |      | 19 |
| 52 | The structural dynamics of $\beta$ tropomyosin on F-actin shape the overlap complex between adjacent tropomyosin molecules. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 552-553, 68-73 | 4.1  | 19 |

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|----|---|------|----|
| 51 | Effects of a cardiomyopathy-causing troponin t mutation on thin filament function and structure. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 20788-94   | 5.4  | 19 |
| 50 | An actin subdomain 2 mutation that impairs thin filament regulation by troponin and tropomyosin. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 22470-8  | 5.4  | 19 |
| 49 | An open or closed case for the conformation of calponin homology domains on F-actin?. <i>Journal of Muscle Research and Cell Motility</i> , <b>2004</b> , 25, 351-8   | 3.5  | 18 |
| 48 | Caldesmon association with smooth muscle thin filaments isolated in the presence and absence of calcium. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1986</b> , 885, 88-90                      | 4.9  | 18 |
| 47 | Phylogenetic diversity of the proteins regulating muscular contraction. <i>International Review of Cytology</i> , <b>1976</b> , 44, 55-92   |      | 17 |
| 46 | Structural implications of conserved aspartate residues located in tropomyosin's coiled-coil core. <i>Bioarchitecture</i> , <b>2011</b> , 1, 250-255  |      | 16 |
| 45 | The caldesmon content of vertebrate smooth muscle. <i>BBA - Proteins and Proteomics</i> , <b>1993</b> , 1203, 53-9  |      | 16 |
| 44 | Predicting Effects of Tropomyosin Mutations on Cardiac Muscle Contraction through Myofilament Modeling. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 473   | 4.6  | 16 |
| 43 | The distribution of troponin-like proteins on thin filaments of the bay scallop, <i>aequipecten irradians</i> . <i>Journal of Muscle Research and Cell Motility</i> , <b>1983</b> , 4, 379-89                           | 3.5  | 14 |
| 42 | Tropomyosin Must Interact Weakly with Actin to Effectively Regulate Thin Filament Function. <i>Biophysical Journal</i> , <b>2017</b> , 113, 2444-2451   | 2.9  | 13 |
| 41 | ADP binding to relaxed scallop myofibrils. <i>Nature</i> , <b>1974</b> , 252, 38-9  | 50.4 | 13 |
| 40 | Cryo-EM and Molecular Docking Shows Myosin Loop 4 Contacts Actin and Tropomyosin on Thin Filaments. <i>Biophysical Journal</i> , <b>2020</b> , 119, 821-830   | 2.9  | 13 |
| 39 | Tropomyosin diffusion over actin subunits facilitates thin filament assembly. <i>Structural Dynamics</i> , <b>2016</b> , 3, 012002  | 3.2  | 12 |
| 38 | Ultra short yeast tropomyosins show novel myosin regulation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 1902-10  | 5.4  | 12 |
| 37 | Docking Troponin T onto the Tropomyosin Overlapping Domain of Thin Filaments. <i>Biophysical Journal</i> , <b>2020</b> , 118, 325-336   | 2.9  | 12 |
| 36 | HCM and DCM cardiomyopathy-linked $\beta$ -tropomyosin mutations influence off-state stability and crossbridge interaction on thin filaments. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 647, 84-92 | 4.1  | 11 |
| 35 | The ionic requirements for regulation by molluscan thin filaments. <i>BBA - Proteins and Proteomics</i> , <b>1983</b> , 745, 1-5  |      | 11 |
| 34 | A new twist on tropomyosin binding to actin filaments: perspectives on thin filament function, assembly and biomechanics. <i>Journal of Muscle Research and Cell Motility</i> , <b>2020</b> , 41, 23-38                 | 3.5  | 11 |

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|----|---|------|----|
| 33 | Spontaneous transitions of actin-bound tropomyosin toward blocked and closed states. <i>Journal of General Physiology</i> , <b>2019</b> , 151, 4-8  | 3.4  | 10 |
| 32 | Precise Binding of Tropomyosin on Actin Involves Sequence-Dependent Variance in Coiled-Coil Twisting. <i>Biophysical Journal</i> , <b>2018</b> , 115, 1082-1092   | 2.9  | 10 |
| 31 | Electron microscopy and 3D reconstruction reveals filamin Ig domain binding to F-actin. <i>Journal of Molecular Biology</i> , <b>2012</b> , 424, 248-56   | 6.5  | 9  |
| 30 | Altering the stability of the Cdc8 overlap region modulates the ability of this tropomyosin to bind co-operatively to actin and regulate myosin. <i>Biochemical Journal</i> , <b>2011</b> , 438, 265-73 | 3.8  | 9  |
| 29 | Caldesmon and the structure of vertebrate smooth muscle thin filaments. A minireview. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 599, 75-84                                      | 6.5  | 9  |
| 28 | Phylogenetic diversity of troponin subunit-C amino acid composition. <i>FEBS Letters</i> , <b>1980</b> , 121, 273-4   | 3.8  | 9  |
| 27 | Protein-Protein Docking Reveals Dynamic Interactions of Tropomyosin on Actin Filaments. <i>Biophysical Journal</i> , <b>2020</b> , 119, 75-86   | 2.9  | 9  |
| 26 | E93K charge reversal on actin perturbs steric regulation of thin filaments. <i>Journal of Molecular Biology</i> , <b>2005</b> , 347, 889-94   | 6.5  | 8  |
| 25 | The location and periodicity of a troponin-T-like protein in the myofibril of the horseshoe crab <i>Limulus polyphemus</i> . <i>Journal of Molecular Biology</i> , <b>1982</b> , 154, 385-91            | 6.5  | 8  |
| 24 | The ultrastructural basis of actin filament regulation. <i>Results and Problems in Cell Differentiation</i> , <b>2002</b> , 36, 149-69  | 1.4  | 8  |
| 23 | A role for actin flexibility in thin filament-mediated contractile regulation and myopathy. <i>Nature Communications</i> , <b>2020</b> , 11, 2417   | 17.4 | 7  |
| 22 | Effects of basic calponin on the flexural mechanics and stability of F-actin. <i>Cytoskeleton</i> , <b>2012</b> , 69, 49-58   | 2.4  | 7  |
| 21 | Structural basis for myopathic defects engendered by alterations in the myosin rod. <i>Journal of Molecular Biology</i> , <b>2011</b> , 414, 477-84   | 6.5  | 7  |
| 20 | The effect of calcium on the aggregation of chicken gizzard thin filaments. <i>Journal of Muscle Research and Cell Motility</i> , <b>1986</b> , 7, 537-49   | 3.5  | 7  |
| 19 | Structural studies on maturing actin filaments. <i>Bioarchitecture</i> , <b>2011</b> , 1, 127-133   |      | 6  |
| 18 | The structure of the vertebrate striated muscle thin filament: a tribute to the contributions of Jean Hanson. <i>Journal of Muscle Research and Cell Motility</i> , <b>2004</b> , 25, 455-66            | 3.5  | 6  |
| 17 | 35 kDa proteins are not components of vertebrate smooth muscle thin filaments. <i>BBA - Proteins and Proteomics</i> , <b>1989</b> , 996, 57-61  |      | 6  |
| 16 | Actin and the Structure of Smooth Muscle Thin Filaments <b>1996</b> , 47-60   |      | 5  |

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|----|---|-----|---|
| 15 | Novel immunological technique. <i>Journal of Muscle Research and Cell Motility</i> , <b>1992</b> , 13, 582-5  | 3.5 | 5 |
| 14 | The propensity for tropomyosin twisting in the presence and absence of F-actin. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 609, 51-58   | 4.1 | 5 |
| 13 | The mechanism of thin filament regulation: Models in conflict?. <i>Journal of General Physiology</i> , <b>2019</b> , 151, 1265-1271   | 3.4 | 5 |
| 12 | The characterization of invertebrate troponin C. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1984</b> , 79, 525-9  |     | 4 |
| 11 | Reference Free Single Particle Analysis Of Reconstituted Thin Filaments. <i>Biophysical Journal</i> , <b>2009</b> , 96, 376a  | 2.9 | 3 |
| 10 | The isolation and characterization of a troponin-C-like protein from the mantle muscle of the squid <i>Loligo pealei</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1982</b> , 71, 507-509      |     | 3 |
| 9  | C-terminal troponin-I residues trap tropomyosin in the muscle thin filament blocked-state. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 551, 27-32  | 3.4 | 3 |
| 8  | Electron microscopy and three-dimensional reconstruction of native thin filaments reveal species-specific differences in regulatory strand densities. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 391, 193-7 | 3.4 | 2 |
| 7  | Tropomyosin Flexibility Evaluated by Electron Microscopy Image Analysis. <i>Biophysical Journal</i> , <b>2009</b> , 96, 231a  | 2.9 | 2 |
| 6  | Cardiomyopathy Mutation Alters End-to-End Junction of Tropomyosin and Reduces Calcium Sensitivity. <i>Biophysical Journal</i> , <b>2020</b> , 118, 303-312  | 2.9 | 2 |
| 5  | Modulation of cardiac thin filament structure by phosphorylated troponin-I analyzed by protein-protein docking and molecular dynamics simulation.. <i>Archives of Biochemistry and Biophysics</i> , <b>2022</b> , 109282                    | 4.1 | 2 |
| 4  | The Effect of Tropomyosin Mutations on Actin-Tropomyosin Binding: In Search of Lost Time. <i>Biophysical Journal</i> , <b>2019</b> , 116, 2275-2284   | 2.9 | 1 |
| 3  | M8R tropomyosin mutation disrupts actin binding and filament regulation: The beginning affects the middle and end. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 17128-17137  | 5.4 | 1 |
| 2  | Our muscle at near-atomic resolution - Cryo-EM structure of the F-actin-tropomyosin complex <b>2016</b> , 7-8   |     |   |
| 1  | Functional Remodeling of the Contractile Smooth Muscle Cell Cortex, a Provocative Concept, Supported by Direct Visualization of Cortical Remodeling. <i>Biology</i> , <b>2022</b> , 11, 662   | 4.9 |   |