

Larry S Tobacman

List of Publications by Year in descending order

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11
papers

789
citations

840776
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1281871
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11
docs citations

11
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Troponin Revealed: Uncovering the Structure of the Thin Filament On-Off Switch in Striated Muscle. <i>Biophysical Journal</i> , 2021, 120, 1-9.	0.5	44
2	Cardiomyopathic troponin mutations predominantly occur at its interface with actin and tropomyosin. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	24
3	<i>TNNT2</i> mutations in the tropomyosin binding region of TNT1 disrupt its role in contractile inhibition and stimulate cardiac dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18822-18831.	7.1	21
4	Tropomyosin Position on F-Actin Revealed by EM Reconstruction and Computational Chemistry. <i>Biophysical Journal</i> , 2011, 100, 1005-1013.	0.5	147
5	Structure of the mid-region of tropomyosin: Bending and binding sites for actin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18878-18883.	7.1	144
6	<i>Drosophila</i> Muscle Regulation Characterized by Electron Microscopy and Three-Dimensional Reconstruction of Thin Filament Mutants. <i>Biophysical Journal</i> , 2004, 86, 1618-1624.	0.5	40
7	Folding and Function of the Troponin Tail Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 506-513.	3.4	69
8	Cardiomyopathic Tropomyosin Mutations That Increase Thin Filament Ca ²⁺ Sensitivity and Tropomyosin N-domain Flexibility. <i>Journal of Biological Chemistry</i> , 2003, 278, 41742-41748.	3.4	52
9	The Troponin Tail Domain Promotes a Conformational State of the Thin Filament That Suppresses Myosin Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 27636-27642.	3.4	88
10	Regulation of force and unloaded sliding speed in single thin filaments: effects of regulatory proteins and calcium. <i>Journal of Physiology</i> , 2000, 524, 233-243.	2.9	87
11	Roles for the Troponin Tail Domain in Thin Filament Assembly and Regulation. <i>Journal of Biological Chemistry</i> , 1999, 274, 7157-7164.	3.4	73