

Shane D Walton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Converter domain mutations in myosin alter structural kinetics and motor function. <i>Journal of Biological Chemistry</i> , 2019, 294, 1554-1567.	3.4	19
2	Mutations in the Converter Domain of Myosin V Demonstrate Coupling Between Lever Arm Swing and Phosphate Release. <i>Biophysical Journal</i> , 2018, 114, 321a.	0.5	0
3	Gene Transfer of Engineered Calmodulin Alleviates Ventricular Arrhythmias in a Calsequestrin-Associated Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	32
4	Cardiomyopathy Mutations in the Converter Domain of Human Beta-Cardiac Myosin Impairs Mechanochemistry in the Presence and Absence of Load. <i>Biophysical Journal</i> , 2017, 112, 120a.	0.5	0
5	Divergent Soybean Calmodulins Respond Similarly to Calcium Transients: Insight into Differential Target Regulation. <i>Frontiers in Plant Science</i> , 2017, 08, 208.	3.6	10
6	Myofilament Calcium Sensitivity: Consequences of the Effective Concentration of Troponin I. <i>Frontiers in Physiology</i> , 2016, 7, 632.	2.8	37
7	Integration of Cardiac Troponin I Phosphorylations to Modulate Function. <i>Biophysical Journal</i> , 2016, 110, 525a.	0.5	0
8	Engineering an Anti-Arrhythmic Calmodulin. <i>Biophysical Journal</i> , 2016, 110, 217a.	0.5	2
9	Designing proteins to combat disease: Cardiac troponin C as an example. <i>Archives of Biochemistry and Biophysics</i> , 2016, 601, 4-10.	3.0	14
10	Modulating Beta-Cardiac Myosin Function at the Molecular and Tissue Levels. <i>Frontiers in Physiology</i> , 2016, 7, 659.	2.8	16
11	Characterization of the Calcium-Binding and Peptide-Binding Properties of Arrhythmogenic Calmodulin Mutants. <i>Biophysical Journal</i> , 2015, 108, 57a.	0.5	0
12	Dissociation of Calcium Transients and Force Development following a Change in Stimulation Frequency in Isolated Rabbit Myocardium. <i>BioMed Research International</i> , 2015, 2015, 1-12.	1.9	5
13	Combined troponin I Ser-150 and Ser-23/24 phosphorylation sustains thin filament Ca ²⁺ sensitivity and accelerates deactivation in an acidic environment. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 177-185.	1.9	35
14	Cardiac troponin I tyrosine 26 phosphorylation decreases myofilament Ca ²⁺ sensitivity and accelerates deactivation. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 257-264.	1.9	32
15	Troponin I Ser-150 Phosphorylation Sustains Troponin Ca ²⁺ Sensitivity in an Acidic Environment. <i>Biophysical Journal</i> , 2014, 106, 724a.	0.5	0
16	Troponin I Serine 150 Phosphorylation Inhibits pH-Induced Troponin Calcium Desensitization. <i>Biophysical Journal</i> , 2013, 104, 450a.	0.5	0
17	Calcium and Magnesium Binding Properties of Soybean Calmodulin 1 and 4. <i>Biophysical Journal</i> , 2013, 104, 99a.	0.5	0