Shane D Walton

List of Publications by Year
in descending order

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17	202	1163117 8	1372567 10
papers	citations	h-index	g-index

17	17	17	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Myofilament Calcium Sensitivity: Consequences of the Effective Concentration of Troponin I. Frontiers in Physiology, 2016, 7, 632.	2.8	37
2	Combined troponin I Ser-150 and Ser-23/24 phosphorylation sustains thin filament Ca2+ sensitivity and accelerates deactivation in an acidic environment. Journal of Molecular and Cellular Cardiology, 2014, 72, 177-185.	1.9	35
3	Cardiac troponin I tyrosine 26 phosphorylation decreases myofilament Ca2+ sensitivity and accelerates deactivation. Journal of Molecular and Cellular Cardiology, 2014, 76, 257-264.	1.9	32
4	Gene Transfer of Engineered Calmodulin Alleviates Ventricular Arrhythmias in a Calsequestrinâ€Associated Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. Journal of the American Heart Association, 2018, 7, .	3.7	32
5	Converter domain mutations in myosin alter structural kinetics and motor function. Journal of Biological Chemistry, 2019, 294, 1554-1567.	3.4	19
6	Modulating Beta-Cardiac Myosin Function at the Molecular and Tissue Levels. Frontiers in Physiology, 2016, 7, 659.	2.8	16
7	Designing proteins to combat disease: Cardiac troponin C as an example. Archives of Biochemistry and Biophysics, 2016, 601, 4-10.	3.0	14
8	Divergent Soybean Calmodulins Respond Similarly to Calcium Transients: Insight into Differential Target Regulation. Frontiers in Plant Science, 2017, 08, 208.	3.6	10
9	Dissociation of Calcium Transients and Force Development following a Change in Stimulation Frequency in Isolated Rabbit Myocardium. BioMed Research International, 2015, 2015, 1-12.	1.9	5
10	Engineering an Anti-Arrhythmic Calmodulin. Biophysical Journal, 2016, 110, 217a.	0.5	2
11	Troponin I Serine 150 Phosphorylation Inhibits pH-Induced Troponin Calcium Desensitization. Biophysical Journal, 2013, 104, 450a.	0.5	0
12	Calcium and Magnesium Binding Properties of Soybean Calmodulin 1 andÂ4. Biophysical Journal, 2013, 104, 99a.	0.5	0
13	Troponin I Ser-150 Phosphorylation Sustains Troponin Ca2+ Sensitivity in an Acidic Environment. Biophysical Journal, 2014, 106, 724a.	0.5	0
14	Characterization of the Calcium-Binding and Peptide-Binding Properties of Arrhythmogenic Calmodulin Mutants. Biophysical Journal, 2015, 108, 57a.	0.5	0
15	Integration of Cardiac Troponin I Phosphorylations to Modulate Function. Biophysical Journal, 2016, 110, 525a.	0.5	0
16	Cardiomyopathy Mutations in the Converter Domain of Human Beta-Cardiac Myosin Impairs Mechanochemistry in the Presence and Absence of Load. Biophysical Journal, 2017, 112, 120a.	0.5	0
17	Mutations in the Converter Domain of Myosin V Demonstrate Coupling Between Lever Arm Swing and Phosphate Release. Biophysical Journal, 2018, 114, 321a.	0.5	0