

Thomas Kampourakis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9586450/publications.pdf>

Version: 2024-02-01

20
papers

623
citations

686830

13
h-index

839053

18
g-index

21
all docs

21
docs citations

21
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscale thermophoresis suggests a new model of regulation of cardiac myosin function via interaction with cardiac myosin-binding protein C. <i>Journal of Biological Chemistry</i> , 2022, 298, 101485.	1.6	27
2	High Throughput Screen Identifies Small Molecule Effectors That Modulate Thin Filament Activation in Cardiac Muscle. <i>ACS Chemical Biology</i> , 2021, 16, 225-235.	1.6	7
3	Stress-dependent activation of myosin in the heart requires thin filament activation and thick filament mechanosensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
4	A Potent Fluorescent Reversible-Covalent Inhibitor of Cardiac Muscle Contraction. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1503-1507.	1.3	1
5	The regulatory light chain mediates inactivation of myosin motors during active shortening of cardiac muscle. <i>Nature Communications</i> , 2021, 12, 5272.	5.8	10
6	The Role of Electrostatics in the Mechanism of Cardiac Thin Filament Based Sensitizers. <i>ACS Chemical Biology</i> , 2020, 15, 2289-2298.	1.6	5
7	Cardiac myosin regulatory light chain kinase modulates cardiac contractility by phosphorylating both myosin regulatory light chain and troponin I. <i>Journal of Biological Chemistry</i> , 2020, 295, 4398-4410.	1.6	16
8	Site-specific phosphorylation of myosin binding protein-C coordinates thin and thick filament activation in cardiac muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15485-15494.	3.3	48
9	Thioimide Bond Formation between Cardiac Troponin C and Nitrile-containing Compounds. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1007-1012.	1.3	4
10	Hypertrophic cardiomyopathy mutation R58Q in the myosin regulatory light chain perturbs thick filament-based regulation in cardiac muscle. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 117, 72-81.	0.9	22
11	Omecamtiv mercabil and blebbistatin modulate cardiac contractility by perturbing the regulatory state of the myosin filament. <i>Journal of Physiology</i> , 2018, 596, 31-46.	1.3	83
12	Structural and functional effects of myosin-binding protein-C phosphorylation in heart muscle are not mimicked by serine-to-aspartate substitutions. <i>Journal of Biological Chemistry</i> , 2018, 293, 14270-14275.	1.6	19
13	Distinct contributions of the thin and thick filaments to length-dependent activation in heart muscle. <i>ELife</i> , 2017, 6, .	2.8	48
14	Myosin light chain phosphorylation enhances contraction of heart muscle via structural changes in both thick and thin filaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3039-47.	3.3	105
15	Reversible Covalent Binding to Cardiac Troponin C by the Ca ²⁺ -Sensitizer Levosimendan. <i>Biochemistry</i> , 2016, 55, 6032-6045.	1.2	14
16	Phosphorylation of myosin regulatory light chain controls myosin head conformation in cardiac muscle. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 199-206.	0.9	52
17	Orientation of the N- and C-Terminal Lobes of the Myosin Regulatory Light Chain in Cardiac Muscle. <i>Biophysical Journal</i> , 2015, 108, 304-314.	0.2	15
18	Myosin binding protein-C activates thin filaments and inhibits thick filaments in heart muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18763-18768.	3.3	103

#	ARTICLE	IF	CITATIONS
19	Regulatory domain of troponin moves dynamically during activation of cardiac muscle. Journal of Molecular and Cellular Cardiology, 2014, 75, 181-187.	0.9	22
20	Drugging the Sarcomere, a Delicate Balance: Position of N-Terminal Charge of the Inhibitor W7. ACS Chemical Biology, 0, , .	1.6	1