

Julian E Stelzer

List of Publications by Year in descending order

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36
papers

1,524
citations

331538

21
h-index

345118

36
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all docs

36
docs citations

36
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of linker and loop-mediated structural modulation and hinge motion in the C4-C5 domains of cMyBPC. <i>Journal of Structural Biology</i> , 2022, 214, 107856.	1.3	5
2	Identification of Phosphorylation and Other Post-Translational Modifications in the Central C4C5 Domains of Murine Cardiac Myosin Binding Protein C. <i>ACS Omega</i> , 2022, 7, 14189-14202.	1.6	4
3	cMyBPC phosphorylation modulates the effect of omecamtiv mecarbil on myocardial force generation. <i>Journal of General Physiology</i> , 2021, 153, .	0.9	10
4	Prof. Cristobal dos Remedios and the Sydney Heart Bank: enabling translatable heart failure research. <i>Biophysical Reviews</i> , 2020, 12, 783-784.	1.5	1
5	Strategies for targeting the cardiac sarcomere: avenues for novel drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 457-469.	2.5	3
6	AAV9 gene transfer of cMyBPC N-terminal domains ameliorates cardiomyopathy in cMyBPC-deficient mice. <i>JCI Insight</i> , 2020, 5, .	2.3	18
7	Myocardial-restricted ablation of the GTPase RAD results in a pro-adaptive heart response in mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 10913-10927.	1.6	24
8	Lost in translation: Interpreting cardiac muscle mechanics data in clinical practice. <i>Archives of Biochemistry and Biophysics</i> , 2019, 662, 213-218.	1.4	12
9	The HCM-causing Y235S cMyBPC mutation accelerates contractile function by altering C1 domain structure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 661-677.	1.8	14
10	Impact of the Myosin Modulator Mavacamten on Force Generation and Cross-Bridge Behavior in a Murine Model of Hypercontractility. <i>Journal of the American Heart Association</i> , 2018, 7, e009627.	1.6	41
11	Sarcomere-based genetic enhancement of systolic cardiac function in a murine model of dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2018, 273, 168-176.	0.8	12
12	Sarcomeric protein modification during adrenergic stress enhances cross-bridge kinetics and cardiac output. <i>Journal of Applied Physiology</i> , 2017, 122, 520-530.	1.2	13
13	Cardiac myosin binding protein-C Ser ³⁰² phosphorylation regulates cardiac β^2 -adrenergic reserve. <i>Science Advances</i> , 2017, 3, e1602445.	4.7	22
14	Dose-Dependent Effects of the Myosin Activator Omecamtiv Mecarbil on Cross-Bridge Behavior and Force Generation in Failing Human Myocardium. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	38
15	Cardiac Myosin Binding Protein-C Phosphorylation Modulates Myofilament Length-Dependent Activation. <i>Frontiers in Physiology</i> , 2016, 7, 38.	1.3	43
16	The contributions of cardiac myosin binding protein C and troponin I phosphorylation to β^2 -adrenergic enhancement of <i>in vivo</i> cardiac function. <i>Journal of Physiology</i> , 2016, 594, 669-686.	1.3	42
17	Molecular effects of the myosin activator omecamtiv mecarbil on contractile properties of skinned myocardium lacking cardiac myosin binding protein-C. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 262-272.	0.9	44
18	Length-dependent changes in contractile dynamics are blunted due to cardiac myosin binding protein-C ablation. <i>Frontiers in Physiology</i> , 2014, 5, 461.	1.3	33

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19	Cardiac myosin binding protein-C: a novel sarcomeric target for gene therapy. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 225-230.	1.3	14
20	The contribution of cardiac myosin binding protein's Ser282 phosphorylation to the rate of force generation and <i>in vivo</i> cardiac contractility. <i>Journal of Physiology</i> , 2014, 592, 3747-3765.	1.3	30
21	In Vivo Cardiac Myosin Binding Protein C Gene Transfer Rescues Myofilament Contractile Dysfunction in Cardiac Myosin Binding Protein C Null Mice. <i>Circulation: Heart Failure</i> , 2012, 5, 635-644.	1.6	37
22	Cardiac Myosin Binding Protein C Insufficiency Leads to Early Onset of Mechanical Dysfunction. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 127-136.	1.3	20
23	Cardiac Myosin Binding Protein C and Its Phosphorylation Regulate Multiple Steps in the Cross-Bridge Cycle of Muscle Contraction. <i>Biochemistry</i> , 2012, 51, 3292-3301.	1.2	34
24	Altered <i>in vivo</i> left ventricular torsion and principal strains in hypothyroid rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1577-H1587.	1.5	12
25	Determination of rate constants for turnover of myosin isoforms in rat myocardium: implications for <i>in vivo</i> contractile kinetics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H247-H256.	1.5	37
26	Transmural variation in myosin heavy chain isoform expression modulates the timing of myocardial force generation in porcine left ventricle. <i>Journal of Physiology</i> , 2008, 586, 5203-5214.	1.3	43
27	Acceleration of Crossbridge Kinetics by Protein Kinase A Phosphorylation of Cardiac Myosin Binding Protein C Modulates Cardiac Function. <i>Circulation Research</i> , 2008, 103, 974-982.	2.0	163
28	Differential Roles of Cardiac Myosin-Binding Protein C and Cardiac Troponin I in the Myofibrillar Force Responses to Protein Kinase A Phosphorylation. <i>Circulation Research</i> , 2007, 101, 503-511.	2.0	149
29	Role of myosin heavy chain composition in the stretch activation response of rat myocardium. <i>Journal of Physiology</i> , 2007, 579, 161-173.	1.3	54
30	Ablation of Myosin-Binding Protein-C Accelerates Force Development in Mouse Myocardium. <i>Biophysical Journal</i> , 2006, 90, 4119-4127.	0.2	101
31	Activation Dependence of Stretch Activation in Mouse Skinned Myocardium: Implications for Ventricular Function. <i>Journal of General Physiology</i> , 2006, 127, 95-107.	0.9	75
32	Contributions of Stretch Activation to Length-dependent Contraction in Murine Myocardium. <i>Journal of General Physiology</i> , 2006, 128, 461-471.	0.9	53
33	Ablation of Cardiac Myosin-Binding Protein-C Accelerates Stretch Activation in Murine Skinned Myocardium. <i>Circulation Research</i> , 2006, 98, 1212-1218.	2.0	106
34	Protein Kinase A-Mediated Acceleration of the Stretch Activation Response in Murine Skinned Myocardium Is Eliminated by Ablation of cMyBP-C. <i>Circulation Research</i> , 2006, 99, 884-890.	2.0	120
35	Acceleration of Stretch Activation in Murine Myocardium due to Phosphorylation of Myosin Regulatory Light Chain. <i>Journal of General Physiology</i> , 2006, 128, 261-272.	0.9	76
36	Expression of cardiac troponin T with COOH-terminal truncation accelerates cross-bridge interaction kinetics in mouse myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1756-H1761.	1.5	21