

Amy Li

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,040
citations

430442

18
h-index

253896

43
g-index

59
all docs

59
docs citations

59
times ranked

4091
citing authors

#	ARTICLE	IF	CITATIONS
1	PPAR- β is a major driver of the accumulation and phenotype of adipose tissue Treg cells. <i>Nature</i> , 2012, 486, 549-553.	13.7	945
2	The role of super-relaxed myosin in skeletal and cardiac muscle. <i>Biophysical Reviews</i> , 2015, 7, 5-14.	1.5	120
3	Ablation of cardiac myosin binding protein-C disrupts the super-relaxed state of myosin in murine cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 94, 65-71.	0.9	113
4	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2017, 12, e0180064.	1.1	106
5	Acetylation of VGLL4 Regulates Hippo-YAP Signaling and Postnatal Cardiac Growth. <i>Developmental Cell</i> , 2016, 39, 466-479.	3.1	86
6	Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24691-24700.	3.3	67
7	Diabetes with heart failure increases methylglyoxal modifications in the sarcomere, which inhibit function. <i>JCI Insight</i> , 2018, 3, .	2.3	50
8	Culture of Zygotes Increases p53 Expression in B6 Mouse Embryos, which Reduces Embryo Viability ¹ . <i>Biology of Reproduction</i> , 2007, 76, 362-367.	1.2	47
9	The interactome of LIM domain proteins: The contributions of LIM domain proteins to heart failure and heart development. <i>Proteomics</i> , 2012, 12, 203-225.	1.3	41
10	Abnormal contractility in human heart myofibrils from patients with dilated cardiomyopathy due to mutations in TTN and contractile protein genes. <i>Scientific Reports</i> , 2017, 7, 14829.	1.6	40
11	The Sydney Heart Bank: improving translational research while eliminating or reducing the use of animal models of human heart disease. <i>Biophysical Reviews</i> , 2017, 9, 431-441.	1.5	39
12	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
13	Skeletal myosin binding protein-C isoforms regulate thin filament activity in a Ca ²⁺ -dependent manner. <i>Scientific Reports</i> , 2018, 8, 2604.	1.6	38
14	Skeletal MyBP-C isoforms tune the molecular contractility of divergent skeletal muscle systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21882-21892.	3.3	31
15	Best practice BioBanking of human heart tissue. <i>Biophysical Reviews</i> , 2015, 7, 399-406.	1.5	29
16	Collaborative Regulation of LRG1 by TGF- β 1 and PPAR- β/γ Modulates Chronic Pressure Overload-Induced Cardiac Fibrosis. <i>Circulation: Heart Failure</i> , 2019, 12, e005962.	1.6	29
17	Pathogenesis and pathophysiology of heart failure with reduced ejection fraction: translation to human studies. <i>Heart Failure Reviews</i> , 2019, 24, 743-758.	1.7	24
18	Comparison of Orientation and Rotational Motion of Skeletal Muscle Cross-bridges Containing Phosphorylated and Dephosphorylated Myosin Regulatory Light Chain. <i>Journal of Biological Chemistry</i> , 2013, 288, 7012-7023.	1.6	20

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19	Heart Research Advances Using Database Search Engines, Human Protein Atlas and the Sydney Heart Bank. <i>Heart Lung and Circulation</i> , 2013, 22, 819-826.	0.2	18
20	Spontaneous oscillatory contraction (SPOC) in cardiomyocytes. <i>Biophysical Reviews</i> , 2015, 7, 15-24.	1.5	16
21	Titin-truncating mutations associated with dilated cardiomyopathy alter length-dependent activation and its modulation via phosphorylation. <i>Cardiovascular Research</i> , 2022, 118, 241-253.	1.8	16
22	Limitations in Translating Animal Studies to Humans in Cardiovascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 165-166.	1.1	13
23	Nanoscale Organisation of Ryanodine Receptors and Junctophilin-2 in the Failing Human Heart. <i>Frontiers in Physiology</i> , 2021, 12, 724372.	1.3	12
24	Associations of the Initial COVID-19 Lockdown on Self-Reported Happiness and Worry about Developing Loneliness: A Cross-Sectional Analysis of Rural, Regional, and Urban Australian Communities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9501.	1.2	11
25	Tissue microarray profiling in human heart failure. <i>Proteomics</i> , 2016, 16, 2319-2326.	1.3	9
26	Sarcomeric Auto-Oscillations in Single Myofibrils From the Heart of Patients With Dilated Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2018, 11, e004333.	1.6	9
27	The Effect of Trp53 Gene-Dosage and Parent-of-Origin of Inheritance on Mouse Gamete and Embryo Function In Vitro1. <i>Biology of Reproduction</i> , 2012, 86, 175.	1.2	8
28	Non-sarcomeric causes of heart failure: a Sydney Heart Bank perspective. <i>Biophysical Reviews</i> , 2018, 10, 949-954.	1.5	8
29	A step towards understanding the molecular nature of human heart failure: advances using the Sydney Heart Bank collection. <i>Biophysical Reviews</i> , 2019, 11, 241-244.	1.5	6
30	A special issue of the Australian society for Biophysics. <i>Biophysical Reviews</i> , 2022, 14, 1-2.	1.5	6
31	Special Issue on human heart failure. <i>Biophysical Reviews</i> , 2015, 7, 1-3.	1.5	5
32	Biophysics of human anatomy and physiology—a Special Issue in honor of Prof. Cristobal dos Remedios on the occasion of his 80th birthday. <i>Biophysical Reviews</i> , 2020, 12, 731-739.	1.5	5
33	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. <i>ESC Heart Failure</i> , 2022, 9, 21-30.	1.4	5
34	Nanomolar ATP binding to single myosin cross-bridges in rigor: a molecular approach to studying myosin ATP kinetics using single human cardiomyocytes. <i>Biophysical Reviews</i> , 2020, 12, 1031-1040.	1.5	4
35	Peripartum cardiomyopathy: a global effort to find the cause and cure for the rare and little understood disease. <i>Biophysical Reviews</i> , 2022, 14, 369-379.	1.5	4
36	Resveratrol for Weight Loss in Obesity: An Assessment of Randomized Control Trial Designs in ClinicalTrials.gov. <i>Nutrients</i> , 2022, 14, 1424.	1.7	4

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37	Announcing the call for the Special Issue on "The Australian Society for Biophysics (ASB) 2021 Meeting" Biophysical Reviews, 2021, 13, 485-486.	1.5	3
38	Trials and tribulations of an early career academic pathway after returning to Australia: reflections from an early career investigator. Biophysical Reviews, 2019, 11, 131-134.	1.5	2
39	Cris dos Remedios: Sydney Heart Bank and scientific mentorship beyond 2010. Biophysical Reviews, 2020, 12, 763-764.	1.5	2
40	Immune Cell Profile and Immune-related Gene Expression of Obese Peripheral Blood and Liver Tissue. FEBS Letters, 2021, , .	1.3	2
41	A New Way to Examine the Function of Mutant MYBPC3 Expression in Cardiomyocytes of Mice. Biophysical Journal, 2013, 104, 309a.	0.2	1
42	Skeletal Myosin-Binding Protein C Modulates Actomyosin Contractility in an Isoform-Dependent Manner. Biophysical Journal, 2017, 112, 117a.	0.2	1
43	Special issue on titin and its binding proteins in striated muscle. Biophysical Reviews, 2017, 9, 177-178.	1.5	1
44	Matrix Metalloproteinase-3 (MMP-3) Polymorphisms Are Associated with Prolonged ECG-Derived QTc Interval: A Cross-Sectional Study of the Australian Rural Population. Journal of Personalized Medicine, 2021, 11, 705.	1.1	1
45	Heart of the Matter: Assessing Human Cardiomyopathies with Spontaneous Oscillatory Contractions (SPOC). Biophysical Journal, 2012, 102, 353a.	0.2	0
46	Spontaneous Oscillatory Contractions (SPOC): Assessing the Contractility of Human Familial Cardiomyopathies. Heart Lung and Circulation, 2012, 21, S64.	0.2	0
47	Relaxed Skeletal Muscle Crossbridges Containing Dephosphorylated Regulatory Light Chain are Better Oriented Than Phosphorylated Ones. Biophysical Journal, 2013, 104, 309a.	0.2	0
48	2SDP-04 The nature of myocardial heart failure : Are hypertrophic cardiomyopathies all the same?(2SDP ASB-BSJ Bilateral Symposium 2013,Symposium,The 51th Annual Meeting of the Biophysical) Tj ETQq0000 rgBT /Overlock 1		
49	Depressed Contractility at Low-Load Spontaneous Oscillatory Contractions in Human Hypertrophic Cardiomyopathy with MYBPC3 Mutations. Biophysical Journal, 2014, 106, 347a-348a.	0.2	0
50	Skeletal Myosin Binding Protein-C Isoforms Modulate Actomyosin Contractility and are Regulated by Phosphorylation. Biophysical Journal, 2015, 108, 421a.	0.2	0
51	Regulation of the Super-Relaxed State of Myosin by Cardiac Myosin Binding Protein-C. Biophysical Journal, 2016, 110, 293a.	0.2	0
52	Increased Phosphorylation of Cardiac Myosin Binding Protein C and Increased Expression of Troponin I in Normal Human Ageing. Biophysical Journal, 2017, 112, 557a.	0.2	0
53	Effect of Truncated Mutations in the Titin Gene on Cardiac Function. Biophysical Journal, 2018, 114, 498a.	0.2	0
54	The Skeletal Muscle Super Relaxed State (SRX) is Localized to the C-Zone. Biophysical Journal, 2019, 116, 177a.	0.2	0

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55	Diabetes with Heart Failure Increases Methylglyoxal Modifications in the Sarcomere Which Inhibit Function. Biophysical Journal, 2019, 116, 114a.	0.2	0
56	Skeletal Myosin-Binding Protein C Isoforms Differentially Regulate Fast- and Slow-Twitch Skeletal Muscle Function. Biophysical Journal, 2020, 118, 278a.	0.2	0