Jonathan A Kirk

List of Publications by Year
in descending order

52	1,972	23	42
papers	citations	h-index	g-index
		279487	264894

54	54	54	3627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epidermal growth factor receptor-dependent maintenance of cardiac contractility. Cardiovascular Research, 2022, 118, 1276-1288.	1.8	8
2	Pharmacological inhibition of BAG3â€HSP70 with the proposed cancer therapeutic JGâ€98 is toxic for cardiomyocytes. Journal of Cellular Biochemistry, 2022, 123, 128-141.	1.2	13
3	Myofilament glycation in diabetes reduces contractility by inhibiting tropomyosin movement, is rescued by cMyBPC domains. Journal of Molecular and Cellular Cardiology, 2022, 162, 1-9.	0.9	12
4	GSK-3Î² Localizes to the Cardiac Z-Disc to Maintain Length Dependent Activation. Circulation Research, 2022, 130, 871-886.	2.0	8
5	We are the change we seek. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1411-H1414.	1.5	4
6	Cardiomyocyte contractile impairment in heart failure results from reduced BAG3-mediated sarcomeric protein turnover. Nature Communications, 2021, 12, 2942.	5.8	62
7	BAG3 expression and sarcomere localization in the human heart are linked to HSF-1 and are differentially affected by sex and disease. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2339-H2350.	1.5	17
8	Reperfused vs. nonreperfused myocardial infarction: when to use which model. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H208-H213.	1.5	29
9	Therapeutic targeting of BAG3: considering its complexity in cancer and heart disease. Journal of Clinical Investigation, 2021, 131, .	3.9	34
10	Reinforcing rigor and reproducibility expectations for use of sex and gender in cardiovascular research. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H819-H824.	1.5	49
11	Guidelines for in vivo mouse models of myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1056-H1073.	1.5	53
12	Under construction: The dynamic assembly, maintenance, and degradation of the cardiac sarcomere. Journal of Molecular and Cellular Cardiology, 2020, 148, 89-102.	0.9	38
13	Deletion of cardiac polycystin 2/PC2 results in increased SR calcium release and blunted adrenergic reserve. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1021-H1035.	1.5	10
14	Intact myocardial preparations reveal intrinsic transmural heterogeneity in cardiac mechanics. Journal of Molecular and Cellular Cardiology, 2020, 141, 11-16.	0.9	18
15	Binge Alcohol Exposure in Adolescence Impairs Normal Heart Growth. Journal of the American Heart Association, 2020, 9, e015611.	1.6	9
16	Adolescent Binge Alcohol Exposure Affects Cardiovascular Function. Biophysical Journal, 2019, 116, 118a.	0.2	0
17	Moving galectin-3 closer to the goal line. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H580-H582.	1.5	2
18	Estrogen but not testosterone preserves myofilament function from doxorubicin-induced cardiotoxicity by reducing oxidative modifications. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H360-H370.	1.5	16

#	Article	IF	Citations
19	Right Ventricular Myofilament Functional Differences in Humans With Systemic Sclerosisâ€"Associated Versus Idiopathic Pulmonary Arterial Hypertension. Circulation, 2018, 137, 2360-2370.	1.6	102
20	Ventricular-arterial coupling in centenarians without cardiovascular diseases. Aging Clinical and Experimental Research, 2018, 30, 367-373.	1.4	8
21	The role of heat shock proteins and co-chaperones in heart failure. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160530.	1.8	81
22	Diabetes with heart failure increases methylglyoxal modifications in the sarcomere, which inhibit function. JCI Insight, 2018, 3, .	2.3	50
23	Ischemic Cardiomyopathy Perturbs GSK-3Î² Localization to the Myofilament to Reduce Function. Biophysical Journal, 2018, 114, 313a.	0.2	0
24	Galectin-3 in the pathogenesis of heart failure: a causative mediator or simply a biomarker?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1256-H1258.	1.5	4
25	Phosphoâ€Proteomic Analysis of Cardiac Dyssynchrony and Resynchronization Therapy. Proteomics, 2018, 18, e1800079.	1.3	11
26	Cellular and Molecular Aspects of Dyssynchrony and Resynchronization. Heart Failure Clinics, 2017, 13, 29-41.	1.0	16
27	Protein kinase G signaling in cardiac pathophysiology: Impact of proteomics on clinical trials. Proteomics, 2016, 16, 894-905.	1.3	10
28	Mast cells regulate myofilament calcium sensitization and heart function after myocardial infarction. Journal of Experimental Medicine, 2016, 213, 1353-1374.	4.2	97
29	Thrombospondins in the transition from myocardial infarction to heart failure. Journal of Molecular and Cellular Cardiology, 2016, 90, 102-110.	0.9	37
30	Mass Spectrometry-Based Analysis of the Phospho-Proteome for Cardiac Dyssynchrony and Resynchronization Therapy. Biophysical Journal, 2015, 108, 273a.	0.2	0
31	Pacemaker-induced transient asynchrony suppresses heart failure progression. Science Translational Medicine, 2015, 7, 319ra207.	5.8	31
32	Citrullination of myofilament proteins in heart failure. Cardiovascular Research, 2015, 108, 232-242.	1.8	64
33	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. Nature, 2015, 519, 472-476.	13.7	274
34	Cellular and Molecular Aspects of Dyssynchrony and Resynchronization. Cardiac Electrophysiology Clinics, 2015, 7, 585-597.	0.7	13
35	Abstract 213: Myofilament Ca2+ Sensitization and Site-specific Phosphorylation of Contractile Proteins Following Myocardial Infarction: A Novel Role for Mast Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	1.1	0
36	New Redox-Related Arrows in the Arsenal of Cardiac Disease Treatment. Antioxidants and Redox Signaling, 2014, 21, 1945-1948.	2.5	4

#	Article	IF	Citations
37	Sizing up models of heart failure: Proteomics from flies to humans. Proteomics - Clinical Applications, 2014, 8, 653-664.	0.8	29
38	Identification of cardiac myofilament protein isoforms using multiple mass spectrometry based approaches. Proteomics - Clinical Applications, 2014, 8, 578-589.	0.8	11
39	Desmin modifications associate with amyloid-like oligomers deposition in heart failure. Cardiovascular Research, 2014, 102, 24-34.	1.8	71
40	Cardiac resynchronization sensitizes the sarcomere to calcium by reactivating GSK-3Î². Journal of Clinical Investigation, 2014, 124, 129-139.	3.9	71
41	A Priori Identifiability Analysis of Cardiovascular Models. Cardiovascular Engineering and Technology, 2013, 4, 500-512.	0.7	5
42	Electromechanical Dyssynchrony and Resynchronization of the Failing Heart. Circulation Research, 2013, 113, 765-776.	2.0	96
43	Troponin I alterations detected by multiple-reaction monitoring: how might this impact the study of heart failure?. Expert Review of Proteomics, 2013, 10, 5-8.	1.3	6
44	Multiple Reaction Monitoring to Identify Site-Specific Troponin I Phosphorylated Residues in the Failing Human Heart. Circulation, 2012, 126, 1828-1837.	1.6	126
45	Sunitinib causes doseâ€dependent negative functional effects on myocardium and cardiomyocytes. BJU International, 2012, 110, 1455-1462.	1.3	39
46	Creatine kinaseâ€"mediated improvement of function in failing mouse hearts provides causal evidence the failing heart is energy starved. Journal of Clinical Investigation, 2012, 122, 291-302.	3.9	117
47	Thrombospondin-4 is Necessary for the Increased Calcium Cycling Associated with the Slow Force Response. Biophysical Journal, 2011, 100, 344a.	0.2	0
48	Thrombospondin-4 Is Required for Stretch-Mediated Contractility Augmentation in Cardiac Muscle. Circulation Research, 2011, 109, 1410-1414.	2.0	75
49	A Three-Dimensional Gel Bioreactor for Assessment of Cardiomyocyte Induction in Skeletal Muscleâ€"Derived Stem Cells. Tissue Engineering - Part C: Methods, 2010, 16, 375-385.	1.1	21
50	Chronic intermittent hypoxia increases left ventricular contractility in C57BL/6J mice. Journal of Applied Physiology, 2009, 107, 787-793.	1.2	55
51	Left Ventricular and Myocardial Function in Mice Expressing Constitutively Pseudophosphorylated Cardiac Troponin I. Circulation Research, 2009, 105, 1232-1239.	2.0	52
52	Pressure-calcium relationships in perfused mouse hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2614-H2624.	1.5	14