

Simon Sedej

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

6,329
citations

25
h-index

76
g-index

76
ext. papers

8,015
ext. citations

8.2
avg, IF

4.48
L-index

#	Paper	IF	Citations
55	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
54	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016 , 22, 1428-1438	50.5	532
53	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
52	Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. <i>Cell Metabolism</i> , 2014 , 19, 431-44	24.6	189
51	Cold-Induced Thermogenesis Depends on ATGL-Mediated Lipolysis in Cardiac Muscle, but Not Brown Adipose Tissue. <i>Cell Metabolism</i> , 2017 , 26, 753-763.e7	24.6	164
50	Autophagy in Cardiovascular Aging. <i>Circulation Research</i> , 2018 , 123, 803-824	15.7	99
49	Myocardial hypertrophy and its role in heart failure with preserved ejection fraction. <i>Journal of Applied Physiology</i> , 2015 , 119, 1233-42	3.7	74
48	Na ⁺ -dependent SR Ca ²⁺ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010 , 87, 50-9	9.9	74
47	The flavonoid 4,4Sdimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019 , 10, 651	17.4	62
46	Early remodeling of perinuclear Ca ²⁺ stores and nucleoplasmic Ca ²⁺ signaling during the development of hypertrophy and heart failure. <i>Circulation</i> , 2014 , 130, 244-55	16.7	54
45	cAMP increases Ca ²⁺ -dependent exocytosis through both PKA and Epac2 in mouse melanotrophs from pituitary tissue slices. <i>Journal of Physiology</i> , 2005 , 567, 799-813	3.9	54
44	In situ calibration of nucleoplasmic versus cytoplasmic Ca ²⁺ concentration in adult cardiomyocytes. <i>Biophysical Journal</i> , 2011 , 100, 2356-66	2.9	46
43	Important contribution of alpha-neurexins to Ca ²⁺ -triggered exocytosis of secretory granules. <i>Journal of Neuroscience</i> , 2006 , 26, 10599-613	6.6	45
42	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017 , 13, 767-769	10.2	44
41	Intracellular dyssynchrony of diastolic cytosolic [Ca ²⁺] _i decay in ventricular cardiomyocytes in cardiac remodeling and human heart failure. <i>Circulation Research</i> , 2013 , 113, 527-38	15.7	44
40	JTV519 (K201) reduces sarcoplasmic reticulum Ca ²⁺ leak and improves diastolic function in vitro in murine and human non-failing myocardium. <i>British Journal of Pharmacology</i> , 2012 , 167, 493-504	8.6	40
39	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	38

38	Subclinical abnormalities in sarcoplasmic reticulum Ca(2+) release promote eccentric myocardial remodeling and pump failure death in response to pressure overload. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1569-79	15.1	37
37	HDAC inhibition improves cardiopulmonary function in a feline model of diastolic dysfunction. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	37
36	Overexpression of CaMKII β in RyR2R4496C+/- knock-in mice leads to altered intracellular Ca ²⁺ handling and increased mortality. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 469-79	15.1	28
35	Voltage-activated Ca(2+) channels and their role in the endocrine function of the pituitary gland in newborn and adult mice. <i>Journal of Physiology</i> , 2004 , 555, 769-82	3.9	28
34	Suppression of Arrhythmia by Enhancing Mitochondrial Ca Uptake in Catecholaminergic Ventricular Tachycardia Models. <i>JACC Basic To Translational Science</i> , 2017 , 2, 737-747	8.7	26
33	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021 , 35, 108985	10.6	25
32	Autophagy in cardiovascular health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020 , 172, 87-106	4	18
31	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014 , 10, 1143-5	10.2	17
30	Transcription factor GATA4 is activated but not required for insulin-like growth factor 1 (IGF1)-induced cardiac hypertrophy. <i>Journal of Biological Chemistry</i> , 2012 , 287, 9827-9834	5.4	16
29	Cytosolic Cl- ions in the regulation of secretory and endocytotic activity in melanotrophs from mouse pituitary tissue slices. <i>Journal of Physiology</i> , 2005 , 566, 443-53	3.9	16
28	The Anti-Cancer Multikinase Inhibitor Sorafenib Impairs Cardiac Contractility by Reducing Phospholamban Phosphorylation and Sarcoplasmic Calcium Transients. <i>Scientific Reports</i> , 2018 , 8, 5295	4.9	15
27	CaMKII α Drives Early Adaptive Ca Change and Late Eccentric Cardiac Hypertrophy. <i>Circulation Research</i> , 2020 , 127, 1159-1178	15.7	15
26	Hypoinnervation is an early event in experimental myocardial remodelling induced by pressure overload. <i>Journal of Anatomy</i> , 2013 , 222, 634-44	2.9	11
25	Ketone bodies to the rescue for an aging heart?. <i>Cardiovascular Research</i> , 2018 , 114, e1-e2	9.9	9
24	Regulatory T cells improve nephrocalcinosis but not dystrophic cardiac calcinosis in DBA/2 mice. <i>American Journal of Pathology</i> , 2013 , 183, 382-90	5.8	8
23	NAD Metabolism in Cardiac Health, Aging, and Disease. <i>Circulation</i> , 2021 , 144, 1795-1817	16.7	6
22	The role of stretch, tachycardia and sodium-calcium exchanger in induction of early cardiac remodelling. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 8732-8743	5.6	5
21	Rab3a is critical for trapping alpha-MSH granules in the high Ca ²⁺ -affinity pool by preventing constitutive exocytosis. <i>PLoS ONE</i> , 2013 , 8, e78883	3.7	5

20	CaMKII and PKA-dependent phosphorylation co-regulate nuclear localization of HDAC4 in adult cardiomyocytes. <i>Basic Research in Cardiology</i> , 2021 , 116, 11	11.8	5
19	Conserved cysteines in titin sustain the mechanical function of cardiomyocytes		4
18	Loss of autophagy protein ATG5 impairs cardiac capacity in mice and humans through diminishing mitochondrial abundance and disrupting Ca ²⁺ cycling. <i>Cardiovascular Research</i> , 2021 ,	9.9	4
17	Cardiomyocyte loss is not required for the progression of left ventricular hypertrophy induced by pressure overload in female mice. <i>Journal of Anatomy</i> , 2016 , 229, 75-81	2.9	4
16	Targeting Cardiovascular Risk Factors Through Dietary Adaptations and Caloric Restriction Mimetics. <i>Frontiers in Nutrition</i> , 2021 , 8, 758058	6.2	4
15	Cardiovascular benefits of intermittent fasting. <i>Cardiovascular Research</i> , 2020 , 116, e36-e38	9.9	3
14	Endocytosis-dominated membrane area decrease requires Rab5 protein in rat melanotrophs. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1048, 272-80	6.5	3
13	Effects of Atrial Fibrillation on the Human Ventricle.. <i>Circulation Research</i> , 2022 , CIRCRESAHA121319718	5.7	3
12	Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. <i>Experimental Gerontology</i> , 2019 , 119, 82-88	4.5	2
11	Spermidine supplementation and voluntary activity differentially affect obesity-related structural changes in the mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 319, L312-L324	5.8	2
10	-acetylaspartate availability is essential for juvenile survival on fat-free diet and determines metabolic health. <i>FASEB Journal</i> , 2019 , 33, 13808-13824	0.9	2
9	Mass Spectrometry-Based Redox and Protein Profiling of Failing Human Hearts. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
8	NAD ⁺ and Vascular Dysfunction: From Mechanisms to Therapeutic Opportunities. <i>Journal of Lipid and Atherosclerosis</i> , 2022 , 11, 111	3	2
7	Phosphatidylinositol-4,5-bisphosphate-dependent facilitation of the ATP-dependent secretory activity in mouse pituitary cells. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 165-73	6.5	1
6	The effects of long-term moderate exercise and Western-type diet on oxidative/nitrosative stress, serum lipids and cytokines in female Sprague Dawley rats. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	0
5	Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics.. <i>Redox Biology</i> , 2022 , 52, 102306	11.3	0
4	Effects of Short Term Adiponectin Receptor Agonism on Cardiac Function and Energetics in Diabetic db/db Mice. <i>Journal of Lipid and Atherosclerosis</i> , 2022 , 11, 161	3	0
3	P388Reduced pressure overload-induced myocardial remodeling in K201-treated mice with the R4496C cardiac ryanodine receptor mutation. <i>Cardiovascular Research</i> , 2014 , 103, S71.2-S71	9.9	

2 Effects of physiologic inputs on autophagy **2022**, 81-95

1 Metabolic therapy for managing heart failure with preserved ejection fraction.. *Journal of Molecular and Cellular Cardiology*, **2022**, 5.8