

Simon Sedej

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

9,208
citations

218677

26
h-index

133252

59
g-index

76
all docs

76
docs citations

76
times ranked

19764
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	30.7	801
4	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.	16.2	242
5	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	16.2	221
6	Autophagy in Cardiovascular Aging. <i>Circulation Research</i> , 2018, 123, 803-824.	4.5	171
7	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	109
8	Myocardial hypertrophy and its role in heart failure with preserved ejection fraction. <i>Journal of Applied Physiology</i> , 2015, 119, 1233-1242.	2.5	104
9	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	12.8	100
10	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	6.4	98
11	Na ⁺ -dependent SR Ca ²⁺ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010, 87, 50-59.	3.8	80
12	HDAC inhibition improves cardiopulmonary function in a feline model of diastolic dysfunction. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	75
13	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, 244-255.	1.6	74
14	NAD ⁺ Metabolism in Cardiac Health, Aging, and Disease. <i>Circulation</i> , 2021, 144, 1795-1817.	1.6	64
15	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	9.1	63
16	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.	2.9	59
17	In Situ Calibration of Nucleoplasmic versus Cytoplasmic Ca ²⁺ Concentration in Adult Cardiomyocytes. <i>Biophysical Journal</i> , 2011, 100, 2356-2366.	0.5	55
18	Intracellular Dyssynchrony of Diastolic Cytosolic [Ca ²⁺] Decay in Ventricular Cardiomyocytes in Cardiac Remodeling and Human Heart Failure. <i>Circulation Research</i> , 2013, 113, 527-538.	4.5	50

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19	Important Contribution of \hat{A} -Neurexins to Ca^{2+} -Triggered Exocytosis of Secretory Granules. <i>Journal of Neuroscience</i> , 2006, 26, 10599-10613.	3.6	49
20	JTV519 (K201) reduces sarcoplasmic reticulum Ca^{2+} leak and improves diastolic function <i>in vitro</i> in murine and human non-failing myocardium. <i>British Journal of Pharmacology</i> , 2012, 167, 493-504.	5.4	49
21	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, 1569-1579.	2.8	47
22	Suppression of Arrhythmia by Enhancing Mitochondrial Ca^{2+} Uptake in Catecholaminergic Ventricular Tachycardia Models. <i>JACC Basic To Translational Science</i> , 2017, 2, 737-747.	4.1	35
23	Autophagy in cardiovascular health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 87-106.	1.7	35
24	Overexpression of $\text{CaMKII}\beta$ in $\text{RyR}2$ Knock-In Mice Leads to Altered Intracellular Ca^{2+} Handling and Increased Mortality. <i>Journal of the American College of Cardiology</i> , 2011, 57, 469-479.	2.8	34
25	Effects of Atrial Fibrillation on the Human Ventricle. <i>Circulation Research</i> , 2022, 130, 994-1010.	4.5	32
26	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, 769-782.	2.9	31
27	$\text{CaMKII}\beta$ Drives Early Adaptive Ca^{2+} Change and Late Eccentric Cardiac Hypertrophy. <i>Circulation Research</i> , 2020, 127, 1159-1178.	4.5	31
28	Fine-Tuning Cardiac Insulin-Like Growth Factor 1 Receptor Signaling to Promote Health and Longevity. <i>Circulation</i> , 2022, 145, 1853-1866.	1.6	29
29	The Anti-Cancer Multikinase Inhibitor Sorafenib Impairs Cardiac Contractility by Reducing Phospholamban Phosphorylation and Sarcoplasmic Calcium Transients. <i>Scientific Reports</i> , 2018, 8, 5295.	3.3	22
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.	3.4	19
31	Ketone bodies to the rescue for an aging heart?. <i>Cardiovascular Research</i> , 2018, 114, e1-e2.	3.8	19
32	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	9.1	18
33	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> , 2022, 118, 1492-1505.	3.8	18
34	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, 443-453.	2.9	16
35	Spermidine supplementation influences mitochondrial number and morphology in the heart of aged mice. <i>Journal of Anatomy</i> , 2023, 242, 91-101.	1.5	16
36	CaMKII and PKA-dependent phosphorylation co-regulate nuclear localization of HDAC4 in adult cardiomyocytes. <i>Basic Research in Cardiology</i> , 2021, 116, 11.	5.9	15

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37	Hypoinnervation is an early event in experimental myocardial remodelling induced by pressure overload. <i>Journal of Anatomy</i> , 2013, 222, 634-644.	1.5	13
38	Targeting Cardiovascular Risk Factors Through Dietary Adaptations and Caloric Restriction Mimetics. <i>Frontiers in Nutrition</i> , 2021, 8, 758058.	3.7	13
39	Regulatory T Cells Improve Nephrocalcinosis but Not Dystrophic Cardiac Calcinosis in DBA/2 Mice. <i>American Journal of Pathology</i> , 2013, 183, 382-390.	3.8	10
40	Cardiovascular benefits of intermittent fasting. <i>Cardiovascular Research</i> , 2020, 116, e36-e38.	3.8	9
41	Mass Spectrometry-Based Redox and Protein Profiling of Failing Human Hearts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1787.	4.1	9
42	Cardioprotective effects of autophagy induction in sepsis. <i>Annals of Translational Medicine</i> , 2018, 6, S61-S61.	1.7	7
43	Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics. <i>Redox Biology</i> , 2022, 52, 102306.	9.0	7
44	NAD ⁺ and Vascular Dysfunction: From Mechanisms to Therapeutic Opportunities. <i>Journal of Lipid and Atherosclerosis</i> , 2022, 11, 111.	3.5	7
45	N-acetylaspartate availability is essential for juvenile survival on fat-free diet and determines metabolic health. <i>FASEB Journal</i> , 2019, 33, 13808-13824.	0.5	6
46	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.	3.6	6
47	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.	2.5	6
48	Spermidine overrides INSR (insulin receptor)-IGF1R (insulin-like growth factor 1 receptor)-mediated inhibition of autophagy in the aging heart. <i>Autophagy</i> , 2022, 18, 2500-2502.	9.1	6
49	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.	1.5	5
50	Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. <i>Experimental Gerontology</i> , 2019, 119, 82-88.	2.8	5
51	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.	2.9	5
52	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.	3.9	5
53	Effects of Short Term Adiponectin Receptor Agonism on Cardiac Function and Energetics in Diabetic <i>db/db</i> Mice. <i>Journal of Lipid and Atherosclerosis</i> , 2022, 11, 161.	3.5	5
54	Endocytosis-Dominated Membrane Area Decrease Requires Rab5 Protein in Rat Melanotrophs. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 272-280.	3.8	3

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55	miR-1183 Is a Key Marker of Remodeling upon Stretch and Tachycardia in Human Myocardium. International Journal of Molecular Sciences, 2022, 23, 6962.	4.1	3
56	Phosphatidylinositol 4,5-bisphosphate-dependent Facilitation of the ATP-dependent Secretory Activity in Mouse Pituitary Cells. Annals of the New York Academy of Sciences, 2009, 1152, 165-173.	3.8	2
57	Metabolic therapy for managing heart failure with preserved ejection fraction. Journal of Molecular and Cellular Cardiology, 2022, 168, 68-69.	1.9	2
58	Effects of JTV519 (K201) on Na ⁺ - and Ca ²⁺ Overload-Induced Arrhythmogenic Ca ²⁺ Release in Mouse Cardiac Myocytes. Biophysical Journal, 2011, 100, 187a.	0.5	1
59	Effects of urocortin-2 on cellular Ca ²⁺ homeostasis in right heart failure induced by pulmonary artery hypertension. , 2018, , .		1
60	Subcellular Mechanisms of Early Impaired Calcium Homeostasis with Chronic Beta1-Adrenergic Stimulation in Mice. Biophysical Journal, 2010, 98, 296a.	0.5	0
61	Nucleoplasmic [Ca] Transients Alterations and Perinuclear Ca Stores Remodeling after Pressure Overload-Induced Hypertrophy in Adult Cardiac Myocytes. Biophysical Journal, 2012, 102, 313a.	0.5	0
62	Quantification of Cytoplasmic and Nucleoplasmic [Ca] Transients in Cardiomyocytes from Non-Failing and End-Stage Failing Human Hearts. Biophysical Journal, 2012, 102, 102a-103a.	0.5	0
63	Mechanisms of Ca ²⁺ -Triggered Arrhythmias. , 2012, , .		0
64	TRPC3 Channels in Angiotensin II-Induced Calcium-Dependent Arrhythmias in Mouse and Human Cardiomyocytes. Biophysical Journal, 2013, 104, 434a.	0.5	0
65	Reduced pressure overload-induced myocardial remodeling in K201-treated mice with the R4496C cardiac ryanodine receptor mutation. Cardiovascular Research, 2014, 103, S71.2-S71.	3.8	0
66	Alterations of Nuclear Ca ²⁺ -Dependent Signalling in Heart Failure. Biophysical Journal, 2014, 106, 115a.	0.5	0
67	Suppression of Arrhythmia by Enhancing Mitochondrial Calcium Uptake in Experimental Models of Catecholaminergic Ventricular Tachycardia. Biophysical Journal, 2017, 112, 95a.	0.5	0
68	Editorial of Special Issue "Sirtuins in Health and Disease" International Journal of Molecular Sciences, 2021, 22, 5054.	4.1	0
69	Effects of physiologic inputs on autophagy. , 2022, , 81-95.		0
70	Atrial fibrillation impairs ventricular function by altering excitation-contraction coupling in the human heart. European Heart Journal, 2020, 41, .	2.2	0
71	MIR1183 as a new tissue biomarker with triggered acute response and upregulation in chronic atrial and ventricular remodeling. European Heart Journal, 2020, 41, .	2.2	0