

# Toshiro Saito

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,791  
citations

471061

17  
h-index

500791

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overload-Induced Mitochondrial Dysfunction and Heart Failure. <i>Circulation</i> , 2016, 133, 1249-1263.	1.6	348
2	Mitophagy Is Essential for Maintaining Cardiac Function During High Fat Diet-Induced Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2019, 124, 1360-1371.	2.0	306
3	Molecular Mechanisms of Mitochondrial Autophagy/Mitophagy in the Heart. <i>Circulation Research</i> , 2015, 116, 1477-1490.	2.0	265
4	Trehalose-Induced Activation of Autophagy Improves Cardiac Remodeling After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1999-2010.	1.2	195
5	An alternative mitophagy pathway mediated by Rab9 protects the heart against ischemia. <i>Journal of Clinical Investigation</i> , 2019, 129, 802-819.	3.9	177
6	Mitochondrial LonP1 protects cardiomyocytes from ischemia/reperfusion injury in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 128, 38-50.	0.9	65
7	Alternative Mitophagy Protects the Heart Against Obesity-Associated Cardiomyopathy. <i>Circulation Research</i> , 2021, 129, 1105-1121.	2.0	49
8	Localization of mRNAs encoding human mitochondrial oxidative phosphorylation proteins. <i>Mitochondrion</i> , 2012, 12, 391-398.	1.6	43
9	Thioredoxin-1 maintains mechanistic target of rapamycin (mTOR) function during oxidative stress in cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 18988-19000.	1.6	41
10	Comprehensive autophagy evaluation in cardiac disease models. <i>Cardiovascular Research</i> , 2020, 116, 483-504.	1.8	41
11	Cardiomyocyte-specific loss of mitochondrial p32/C1qbp causes cardiomyopathy and activates stress responses. <i>Cardiovascular Research</i> , 2017, 113, 1173-1185.	1.8	37
12	Ribonucleoprotein Y-box-binding protein-1 regulates mitochondrial oxidative phosphorylation (OXPHOS) protein expression after serum stimulation through binding to OXPHOS mRNA. <i>Biochemical Journal</i> , 2012, 443, 573-584.	1.7	35
13	Pivotal Role of Rho-Associated Kinase 2 in Generating the Intrinsic Circadian Rhythm of Vascular Contractility. <i>Circulation</i> , 2013, 127, 104-114.	1.6	33
14	Evaluating mitochondrial autophagy in the mouse heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 134-139.	0.9	32
15	Protein instability and functional defects caused by mutations of dihydro-ototate dehydrogenase in Miller syndrome patients. <i>Bioscience Reports</i> , 2012, 32, 631-639.	1.1	27
16	Molecular mechanisms and clinical implications of multiple forms of mitophagy in the heart. <i>Cardiovascular Research</i> , 2021, 117, 2730-2741.	1.8	26
17	Ulk1-dependent alternative mitophagy plays a protective role during pressure overload in the heart. <i>Cardiovascular Research</i> , 2022, 118, 2638-2651.	1.8	23
18	Perivascular Adipose Tissue Is a Major Source of Nitric Oxide in Saphenous Vein Grafts Harvested via the No-Touch Technique. <i>Journal of the American Heart Association</i> , 2022, 11, e020637.	1.6	11

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19	The vascular clock system generates the intrinsic circadian rhythm of vascular contractility. <i>Journal of Smooth Muscle Research</i> , 2015, 51, 95-106.	0.7	7
20	Hypoxic-conditioned cardiosphere-derived cell sheet transplantation for chronic myocardial infarction. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 1062-1074.	0.6	7
21	Preserving the endothelium in saphenous vein graft with both conventional and no-touch preparation. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 317.	0.4	7
22	Unexpected Functional Consequences of the Loss of the Autophagy-Related Conjugation System. <i>Circulation Research</i> , 2017, 120, 610-612.	2.0	5
23	Response by Shirakabe et al to Letter Regarding Article, "Drp1-Dependent Mitochondrial Autophagy Plays a Protective Role Against Pressure Overload-Induced Mitochondrial Dysfunction and Heart Failure". <i>Circulation</i> , 2016, 134, e75-6.	1.6	4
24	Nuclear $\beta$ -catenin expression is positively regulated by JAB1 in human colorectal cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 548-552.	1.0	3
25	Abstract 17292: Ulk1 Plays a Crucial Role in Mitochondrial Autophagy in Cardiomyocytes. <i>Circulation</i> , 2014, 130, .	1.6	1
26	Autologous transplantation of multilayered fibroblast sheets prevents postoperative pancreatic fistula by regulating fibrosis and angiogenesis. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 1257-1268.	0.0	1
27	Abstract 17574: Drp1-dependent Mitochondrial Autophagy Plays A Protective Role In Response To Pressure Overload Induced Mitochondrial Dysfunction And Heart Failure. <i>Circulation</i> , 2015, 132, .	1.6	1
28	Abstract 18406: Ulk1 Induces Mitochondrial Autophagy Through Rab9-dependent Phagophore Formation in Cardiomyocytes (Best of Basic Science Abstract). <i>Circulation</i> , 2015, 132, .	1.6	1
29	Intrinsic circadian oscillation of myosin light chain phosphorylation in vascular smooth muscle cells. <i>FASEB Journal</i> , 2010, 24, 985.14.	0.2	0
30	Abstract 18782: Cardiac-specific Ablation of Ulk1, but not of Atg7, Attenuates Mitochondrial Autophagy in the Heart in Response to Energy Stress (Best of Basic Science Abstract). <i>Circulation</i> , 2015, 132, .	1.6	0
31	The Molecular Mechanisms of Mitochondrial Degradation in the Stressed Heart. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY4-2.	0.0	0
32	Abstract 487: Arginine Methylation Through PRMT5 Mediates Energy Stress-Induced Autophagy in the Heart. <i>Circulation Research</i> , 2018, 123, .	2.0	0
33	Abstract 437: PRMT5-induced Arginine Methylation Mediates Energy Stress-induced Autophagy in the Heart. <i>Circulation Research</i> , 2019, 125, .	2.0	0
34	Abstract 17570: Therapeutic Impact of Autophagy-inducing Peptide on Pressure Overload-induced Heart Failure. <i>Circulation</i> , 2015, 132, .	1.6	0