

Ippei Shimizu

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.

62 papers	4,088 citations	25 h-index	63 g-index
65 ext. papers	4,977 ext. citations	11 avg, IF	5.53 L-index

#	Paper	IF	Citations
62	p53-induced inhibition of Hif-1 causes cardiac dysfunction during pressure overload. <i>Nature</i> , 2007 , 446, 444-8	50.4	696
61	A crucial role for adipose tissue p53 in the regulation of insulin resistance. <i>Nature Medicine</i> , 2009 , 15, 1082-7	50.5	559
60	Physiological and pathological cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 97, 245-62	5.8	463
59	Vascular rarefaction mediates whitening of brown fat in obesity. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2099-112	15.9	231
58	Complement C1q activates canonical Wnt signaling and promotes aging-related phenotypes. <i>Cell</i> , 2012 , 149, 1298-313	56.2	200
57	Excessive cardiac insulin signaling exacerbates systolic dysfunction induced by pressure overload in rodents. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1506-14	15.9	153
56	DNA damage response and metabolic disease. <i>Cell Metabolism</i> , 2014 , 20, 967-77	24.6	139
55	p53-induced adipose tissue inflammation is critically involved in the development of insulin resistance in heart failure. <i>Cell Metabolism</i> , 2012 , 15, 51-64	24.6	132
54	An antiangiogenic isoform of VEGF-A contributes to impaired vascularization in peripheral artery disease. <i>Nature Medicine</i> , 2014 , 20, 1464-71	50.5	131
53	Vascular Senescence in Cardiovascular and Metabolic Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 18	5.4	104
52	Brain-derived neurotrophic factor protects against cardiac dysfunction after myocardial infarction via a central nervous system-mediated pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1902-9	9.4	95
51	Cardiac 12/15 lipoxygenase-induced inflammation is involved in heart failure. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1565-74	16.6	94
50	Arachidonate 12/15-lipoxygenase-induced inflammation and oxidative stress are involved in the development of diabetic cardiomyopathy. <i>Diabetes</i> , 2015 , 64, 618-30	0.9	89
49	Semaphorin3E-induced inflammation contributes to insulin resistance in dietary obesity. <i>Cell Metabolism</i> , 2013 , 18, 491-504	24.6	87
48	Secreted Frizzled-related Protein 5 Diminishes Cardiac Inflammation and Protects the Heart from Ischemia/Reperfusion Injury. <i>Journal of Biological Chemistry</i> , 2016 , 291, 2566-75	5.4	78
47	p53/p66Shc-mediated signaling contributes to the progression of non-alcoholic steatohepatitis in humans and mice. <i>Journal of Hepatology</i> , 2012 , 57, 837-43	13.4	77
46	Inhibition of endothelial p53 improves metabolic abnormalities related to dietary obesity. <i>Cell Reports</i> , 2014 , 7, 1691-1703	10.6	69

45	Follistatin-like 1 promotes cardiac fibroblast activation and protects the heart from rupture. <i>EMBO Molecular Medicine</i> , 2016 , 8, 949-66	12	62
44	The Whitening of Brown Fat and Its Implications for Weight Management in Obesity. <i>Current Obesity Reports</i> , 2015 , 4, 224-9	8.4	58
43	Cellular senescence in cardiac diseases. <i>Journal of Cardiology</i> , 2019 , 74, 313-319	3	56
42	Inhibition of semaphorin as a novel strategy for therapeutic angiogenesis. <i>Circulation Research</i> , 2010 , 106, 391-8	15.7	56
41	Haploinsufficiency of akt1 prolongs the lifespan of mice. <i>PLoS ONE</i> , 2013 , 8, e69178	3.7	52
40	p53-Induced inflammation exacerbates cardiac dysfunction during pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 85, 183-98	5.8	42
39	Role of the central nervous system and adipose tissue BDNF/TrkB axes in metabolic regulation. <i>Npj Aging and Mechanisms of Disease</i> , 2015 , 1, 15009	5.5	29
38	A role for circadian clock in metabolic disease. <i>Hypertension Research</i> , 2016 , 39, 483-91	4.7	27
37	p53 plays a crucial role in endothelial dysfunction associated with hyperglycemia and ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 129, 105-117	5.8	25
36	Agonist-independent constitutive activity of angiotensin II receptor promotes cardiac remodeling in mice. <i>Hypertension</i> , 2012 , 59, 627-33	8.5	25
35	Boysenberry polyphenol inhibits endothelial dysfunction and improves vascular health. <i>PLoS ONE</i> , 2018 , 13, e0202051	3.7	24
34	Gamma-Aminobutyric Acid Signaling in Brown Adipose Tissue Promotes Systemic Metabolic Derangement in Obesity. <i>Cell Reports</i> , 2018 , 24, 2827-2837.e5	10.6	23
33	Adipose tissue inflammation in diabetes and heart failure. <i>Microbes and Infection</i> , 2013 , 15, 11-7	9.3	20
32	Delayed enhancement cardiovascular magnetic resonance as a novel technique to predict cardiac events in dilated cardiomyopathy patients. <i>International Journal of Cardiology</i> , 2010 , 142, 224-9	3.2	20
31	Notch signaling regulates the lifespan of vascular endothelial cells via a p16-dependent pathway. <i>PLoS ONE</i> , 2014 , 9, e100359	3.7	20
30	Metabolomic Analysis in Heart Failure. <i>Circulation Journal</i> , 2017 , 82, 10-16	2.9	19
29	Catecholamine-Induced Senescence of Endothelial Cells and Bone Marrow Cells Promotes Cardiac Dysfunction in Mice. <i>International Heart Journal</i> , 2018 , 59, 837-844	1.8	15
28	Progerin impairs vascular smooth muscle cell growth via the DNA damage response pathway. <i>Oncotarget</i> , 2017 , 8, 34045-34056	3.3	14

27	Role of smooth muscle cell p53 in pulmonary arterial hypertension. <i>PLoS ONE</i> , 2019 , 14, e0212889	3.7	13
26	Maintenance of Subcutaneous Fat Homeostasis Improves Systemic Metabolic Dysfunction in Obesity. <i>Diabetes</i> , 2015 , 64, 3984-6	0.9	10
25	Inhibition of dipeptidyl peptidase-4 ameliorates cardiac ischemia and systolic dysfunction by up-regulating the FGF-2/EGR-1 pathway. <i>PLoS ONE</i> , 2017 , 12, e0182422	3.7	10
24	Senolytic vaccination improves normal and pathological age-related phenotypes and increases lifespan in progeroid mice. <i>Nature Aging</i> , 2021 , 1, 1117-1126		10
23	Pathological role of adipose tissue dysfunction in cardio-metabolic disorders. <i>International Heart Journal</i> , 2015 , 56, 255-9	1.8	8
22	The pathological role of vascular aging in cardio-metabolic disorder. <i>Inflammation and Regeneration</i> , 2016 , 36, 16	10.9	7
21	Cellular Senescence in Arterial Diseases. <i>Journal of Lipid and Atherosclerosis</i> , 2020 , 9, 79-91	3	7
20	Tetrahydrobiopterin enhances mitochondrial biogenesis and cardiac contractility via stimulation of PGC1 β signaling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 165524	6.9	6
19	Amlodipine Inhibits Vascular Cell Senescence and Protects Against Atherogenesis Through the Mechanism Independent of Calcium Channel Blockade. <i>International Heart Journal</i> , 2018 , 59, 607-613	1.8	4
18	p53-Induced Adipose Tissue Inflammation Is Critically Involved in the Development of Insulin Resistance in Heart Failure. <i>Cell Metabolism</i> , 2012 , 15, 787	24.6	4
17	Empagliflozin maintains capillarization and improves cardiac function in a murine model of left ventricular pressure overload. <i>Scientific Reports</i> , 2021 , 11, 18384	4.9	4
16	BH4 activates CaMKK2 and rescues the cardiomyopathic phenotype in rodent models of diabetes. <i>Life Science Alliance</i> , 2020 , 3,	5.8	3
15	Cardiac mitofusin-1 is reduced in non-responding patients with idiopathic dilated cardiomyopathy. <i>Scientific Reports</i> , 2021 , 11, 6722	4.9	3
14	Peptide vaccine for semaphorin3E ameliorates systemic glucose intolerance in mice with dietary obesity. <i>Scientific Reports</i> , 2019 , 9, 3858	4.9	2
13	Complement C1q Activates Canonical Wnt Signaling and Promotes Aging-Related Phenotypes. <i>Cell</i> , 2012 , 150, 659-660	56.2	2
12	Phosphorylation in Novel Mitochondrial Creatine Kinase Tyrosine Residues Render Cardioprotection against Hypoxia/Reoxygenation Injury. <i>Journal of Lipid and Atherosclerosis</i> , 2021 , 10, 223-239	3	2
11	Glycoprotein nonmetastatic melanoma protein B regulates lysosomal integrity and lifespan of senescent cells.. <i>Scientific Reports</i> , 2022 , 12, 6522	4.9	2
10	Role of circulating molecules in age-related cardiovascular and metabolic disorders.. <i>Inflammation and Regeneration</i> , 2022 , 42, 2	10.9	0

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| 9 | The pathological role of adipose tissue aging in the progression of systemic insulin resistance. <i>Inflammation and Regeneration</i> , 2015 , 35, 178-184 | 10.9 | o |
| 8 | Placebo-Controlled, Double-Blind Study of Empagliflozin (EMPA) and Implantable Cardioverter-Defibrillator (EMPA-ICD) in Patients with Type2 Diabetes (T2DM): Rationale and Design. <i>Diabetes Therapy</i> , 2020 , 11, 2739-2755 | 3.6 | o |
| 7 | Diabetes and Adipocyte Dysfunction 2018 , 69-84 | | |
| 6 | Peripheral Blood Mononuclear Cells for Limb Ischemia 2017 , 25-43 | | |
| 5 | Senescence of vascular endothelial cell. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2019 , 30, 521-528 | | |
| 4 | Cutting Edge Research on Vascular Aging. <i>The Journal of the Japanese Society of Internal Medicine</i> , 2017 , 106, 1652-1658 | | o |
| 3 | Altered microbiota by a high-fat diet accelerates lethal myeloid hematopoiesis associated with systemic SOCS3 deficiency. <i>IScience</i> , 2021 , 24, 103117 | 6.1 | |
| 2 | Endothelial cell dysfunction and senescence: biologic mechanisms and hemodynamic consequences 2022 , 359-367 | | |
| 1 | Differing impact of phosphoglycerate mutase 1-deficiency on brown and white adipose tissue.. <i>IScience</i> , 2022 , 25, 104268 | 6.1 | |