

Yoshikazu Higami

List of Publications by Year in Descending Order

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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.

119
papers

2,406
citations

27
h-index

43
g-index

127
ext. papers

2,722
ext. citations

4.3
avg, IF

4.5
L-index

#	Paper	IF	Citations
119	Intravenous administration of human mesenchymal stem cells derived from adipose tissue and umbilical cord improves neuropathic pain via suppression of neuronal damage and anti-inflammatory actions in rats.. <i>PLoS ONE</i> , 2022 , 17, e0262892	3.7	0
118	Individual evaluation of aging- and caloric restriction-related changes to distinct multimeric complexes of circulating adiponectin by immunoblotting.. <i>Experimental Gerontology</i> , 2022 , 164, 111821	4.5	
117	Induction of cellular senescence in fibroblasts through α -integrin activation by tenascin-C-derived peptide and its protumor effect. <i>American Journal of Cancer Research</i> , 2021 , 11, 4364-4379	4.4	1
116	Oxytocin Is a Positive Allosteric Modulator of μ Opioid Receptors but Not δ Opioid Receptors in the G Protein Signaling Pathway. <i>Cells</i> , 2021 , 10,	7.9	2
115	Mitochondrial Unfolded Protein Responses in White Adipose Tissue: Lipoatrophy, Whole-Body Metabolism and Lifespan. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
114	Contribution of PGC-1 α to Obesity- and Caloric Restriction-Related Physiological Changes in White Adipose Tissue. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
113	Trehalose induces SQSTM1/p62 expression and enhances lysosomal activity and antioxidative capacity in adipocytes. <i>FEBS Open Bio</i> , 2021 , 11, 185-194	2.7	2
112	Prolonged caloric restriction ameliorates age-related atrophy in slow and fast muscle fibers of rat soleus muscle. <i>Experimental Gerontology</i> , 2021 , 154, 111519	4.5	1
111	A novel method for evaluating activity of transient receptor potential channels using a cellular dielectric spectroscopy. <i>Journal of Pharmacological Sciences</i> , 2020 , 143, 320-324	3.7	
110	Hyperglycemia contributes to the development of Leydig cell hyperplasia in male Spontaneously Diabetic Torii rats. <i>Journal of Toxicologic Pathology</i> , 2020 , 33, 121-129	1.4	1
109	Japanese Herbal Medicine Ninjinyoeito Mediates Its Orexigenic Properties Partially by Activating Orexin 1 Receptors. <i>Frontiers in Nutrition</i> , 2020 , 7, 5	6.2	9
108	WWP1 knockout in mice exacerbates obesity-related phenotypes in white adipose tissue but improves whole-body glucose metabolism. <i>FEBS Open Bio</i> , 2020 , 10, 306-315	2.7	3
107	The Japanese herbal medicine Hangeshashinto enhances oral keratinocyte migration to facilitate healing of chemotherapy-induced oral ulcerative mucositis. <i>Scientific Reports</i> , 2020 , 10, 625	4.9	9
106	Cathepsin B overexpression induces degradation of perilipin 1 to cause lipid metabolism dysfunction in adipocytes. <i>Scientific Reports</i> , 2020 , 10, 634	4.9	15
105	Nutlin-3a suppresses poly (ADP-ribose) polymerase 1 by mechanisms different from conventional PARP1 suppressors in a human breast cancer cell line. <i>Oncotarget</i> , 2020 , 11, 1653-1665	3.3	2
104	Exposure of the cryptic de-adhesive site FNIII14 in fibronectin molecule and its binding to membrane-type eEF1A induce migration and invasion of cancer cells via α -integrin inactivation. <i>American Journal of Cancer Research</i> , 2020 , 10, 3990-4004	4.4	1
103	Srebp-1c/Fgf21/Pgc-1 α Axis Regulated by Leptin Signaling in Adipocytes-Possible Mechanism of Caloric Restriction-Associated Metabolic Remodeling of White Adipose Tissue. <i>Nutrients</i> , 2020 , 12,	6.7	4

102	Noninvasive and Safe Cell Viability Assay for Breast Cancer MCF-7 Cells Using Natural Food Pigment. <i>Biology</i> , 2020 , 9,	4.9	4
101	Carboplatin Enhances the Activity of Human Transient Receptor Potential Ankyrin 1 through the Cyclic AMP-Protein Kinase A-A-Kinase Anchoring Protein (AKAP) Pathways. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
100	Association between Lysosomal Dysfunction and Obesity-Related Pathology: A Key Knowledge to Prevent Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
99	Acyclic Retinoid Combined With Tenascin-C-derived Peptide Reduces the Malignant Phenotype of Neuroblastoma Cells Through N-Myc Degradation. <i>Anticancer Research</i> , 2019 , 39, 3487-3492	2.3	1
98	Alteration of the extracellular matrix and alpha-gal antigens in the rat lung scaffold reseeded using human vascular and adipogenic stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 2067-2076	4.4	4
97	Identification of WWP1 as an obesity-associated E3 ubiquitin ligase with a protective role against oxidative stress in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 508, 117-122 ^{3,4}		4
96	Impact of aging and caloric restriction on fibroblast growth factor 21 signaling in rat white adipose tissue. <i>Experimental Gerontology</i> , 2019 , 118, 55-64	4.5	9
95	Taurine is an amino acid with the ability to activate autophagy in adipocytes. <i>Amino Acids</i> , 2018 , 50, 527-535		16
94	Differential response to caloric restriction of retroperitoneal, epididymal, and subcutaneous adipose tissue depots in rats. <i>Experimental Gerontology</i> , 2018 , 104, 127-137	4.5	12
93	A novel mouse model for tracking the fate of CXCR5-expressing T cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1642-1647	3.4	3
92	Trehalose protects against oxidative stress by regulating the Keap1-Nrf2 and autophagy pathways. <i>Redox Biology</i> , 2018 , 15, 115-124	11.3	105
91	The DNA methylation profile of liver tumors in C3H mice and identification of differentially methylated regions involved in the regulation of tumorigenic genes. <i>BMC Cancer</i> , 2018 , 18, 317	4.8	9
90	Transgenic Mice Overexpressing SREBP-1a in Male ob/ob Mice Exhibit Lipodystrophy and Exacerbate Insulin Resistance. <i>Endocrinology</i> , 2018 , 159, 2308-2323	4.8	11
89	Leukemia inhibitory factor via the Toll-like receptor 5 signaling pathway involves aggravation of cachexia induced by human gastric cancer-derived 85As2 cells in rats. <i>Oncotarget</i> , 2018 , 9, 34748-34764 ^{3,3}		8
88	Differential Metabolic Responses to Adipose Atrophy Associated with Cancer Cachexia and Caloric Restriction in Rats and the Effect of Rikkunshito in Cancer Cachexia. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	3
87	Mechanisms of the anti-aging and longevity effects of caloric restriction: evidence from studies of genetically modified animals. <i>Aging</i> , 2018 , 10, 2243-2251	5.6	12
86	SREBP-1c-Dependent Metabolic Remodeling of White Adipose Tissue by Caloric Restriction. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	16
85	Involvement of lysosomal dysfunction in autophagosome accumulation and early pathologies in adipose tissue of obese mice. <i>Autophagy</i> , 2017 , 13, 642-653	10.2	66

84	Sterol regulatory element-binding protein-1c orchestrates metabolic remodeling of white adipose tissue by caloric restriction. <i>Aging Cell</i> , 2017 , 16, 508-517	9.9	30
83	Modified Western blotting for insulin and other diabetes-associated peptide hormones. <i>Scientific Reports</i> , 2017 , 7, 6949	4.9	8
82	Mitochondrial intermediate peptidase is a novel regulator of sirtuin-3 activation by caloric restriction. <i>FEBS Letters</i> , 2017 , 591, 4067-4073	3.8	9
81	Development of ghrelin resistance in a cancer cachexia rat model using human gastric cancer-derived 85As2 cells and the palliative effects of the Kampo medicine rikkunshito on the model. <i>PLoS ONE</i> , 2017 , 12, e0173113	3.7	30
80	A novel caloric restriction mediator. <i>Aging</i> , 2017 , 9, 2012-2013	5.6	0
79	Autophagy in Adipose Tissue 2016 , 147-156		
78	Chronological analysis of caloric restriction-induced alteration of fatty acid biosynthesis in white adipose tissue of rats. <i>Experimental Gerontology</i> , 2015 , 63, 59-66	4.5	9
77	Inhibitory effect of p53 on mitochondrial content and function during adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 91-7	3.4	14
76	History of the G protein-coupled receptor (GPCR) assays from traditional to a state-of-the-art biosensor assay. <i>Journal of Pharmacological Sciences</i> , 2014 , 126, 302-9	3.7	38
75	The poly(adenosine diphosphate-ribose) polymerase inhibitor PJ34 reduces pulmonary ischemia-reperfusion injury in rats. <i>Transplantation</i> , 2014 , 98, 618-24	1.8	13
74	New cancer cachexia rat model generated by implantation of a peritoneal dissemination-derived human stomach cancer cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E373-87	6	32
73	Caloric restriction-associated remodeling of rat white adipose tissue: effects on the growth hormone/insulin-like growth factor-1 axis, sterol regulatory element binding protein-1, and macrophage infiltration. <i>Age</i> , 2013 , 35, 1143-56		25
72	CHK1 cleavage in programmed cell death is intricately regulated by both caspase and non-caspase family proteases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 2204-13	4	6
71	Renoprotective effects of telmisartan after unilateral renal ablation in rats. <i>International Journal of Nephrology and Renovascular Disease</i> , 2013 , 6, 207-14	2.5	2
70	Differential responses of white adipose tissue and brown adipose tissue to caloric restriction in rats. <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 255-66	5.6	39
69	DNA damage-induced CHK1 autophosphorylation at Ser296 is regulated by an intramolecular mechanism. <i>FEBS Letters</i> , 2012 , 586, 3974-9	3.8	27
68	Reversible induction of PARP1 degradation by p53-inducible cis-imidazoline compounds. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 421, 15-9	3.4	8
67	Autophagosomes accumulate in differentiated and hypertrophic adipocytes in a p53-independent manner. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 427, 758-63	3.4	18

66	An Mdm2 antagonist, Nutlin-3a, induces p53-dependent and proteasome-mediated poly(ADP-ribose) polymerase1 degradation in mouse fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 557-61	3.4	18
65	The effect of resveratrol on the Werner syndrome RecQ helicase gene and telomerase activity. <i>Current Aging Science</i> , 2011 , 4, 1-7	2.2	27
64	Modulation of oxidative phosphorylation machinery signifies a prime mode of anti-ageing mechanism of calorie restriction in male rat liver mitochondria. <i>Biogerontology</i> , 2010 , 11, 321-34	4.5	28
63	Identification and characterization of an insulin receptor substrate 4-interacting protein in rat brain: implications for longevity. <i>Neurobiology of Aging</i> , 2009 , 30, 474-82	5.6	13
62	Similar metabolic responses to calorie restriction in lean and obese Zucker rats. <i>Molecular and Cellular Endocrinology</i> , 2009 , 309, 17-25	4.4	29
61	Manipulation of caloric content but not diet composition, attenuates the deficit in learning and memory of senescence-accelerated mouse strain P8. <i>Experimental Gerontology</i> , 2008 , 43, 339-46	4.5	51
60	Pituitary growth hormone suppression reduces resistin expression and enhances insulin effectiveness: relationship with caloric restriction. <i>Experimental Gerontology</i> , 2008 , 43, 595-600	4.5	18
59	Calorie restriction minimizes activation of insulin signaling in response to glucose: potential involvement of the growth hormone-insulin-like growth factor 1 axis. <i>Experimental Gerontology</i> , 2008 , 43, 827-32	4.5	13
58	Genetic suppression of GH-IGF-1 activity, combined with lifelong caloric restriction, prevents age-related renal damage and prolongs the life span in rats. <i>American Journal of Nephrology</i> , 2008 , 28, 755-64	4.6	22
57	Acute gastritis associated with invading <i>Helicobacter heilmannii</i> organisms from a previously homeless cat. <i>Journal of Clinical Gastroenterology</i> , 2008 , 42, 216-7	3	5
56	Calorie restriction initiated at a young age activates the Akt/PKC zeta/lambda-Glut4 pathway in rat white adipose tissue in an insulin-independent manner. <i>Age</i> , 2008 , 30, 293-302		9
55	Identification of fasting-induced genes in the rat hypothalamus: relationship with neuroprotection. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1119, 216-26	6.5	9
54	Identification of differentially expressed genes in senescence-accelerated mouse testes by suppression subtractive hybridization analysis. <i>Mammalian Genome</i> , 2007 , 18, 105-12	3.2	10
53	Involvement of insulin-like growth factor-1 in the effect of caloric restriction: regulation of plasma adiponectin and leptin. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 27-33	6.4	27
52	Down-regulation of AMP-activated protein kinase by calorie restriction in rat liver. <i>Experimental Gerontology</i> , 2007 , 42, 1063-71	4.5	32
51	Calorie restriction initiated at middle age improved glucose tolerance without affecting age-related impairments of insulin signaling in rat skeletal muscle. <i>Experimental Gerontology</i> , 2006 , 41, 837-45	4.5	17
50	Life-long suppression of growth hormone-insulin-like growth factor I activity in genetically altered rats could prevent age-related renal damage. <i>Endocrinology</i> , 2006 , 147, 5690-8	4.8	27
49	Energy restriction lowers the expression of genes linked to inflammation, the cytoskeleton, the extracellular matrix, and angiogenesis in mouse adipose tissue. <i>Journal of Nutrition</i> , 2006 , 136, 343-52	4.1	98

48	Effect of leptin on hypothalamic gene expression in calorie-restricted rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 890-8	6.4	14
47	Hepatic gene expression profile of lipid metabolism in rats: Impact of caloric restriction and growth hormone/insulin-like growth factor-1 suppression. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 1099-110	6.4	23
46	Fatal <i>Alcaligenes xylosoxidans</i> infection of the liver: presenting as a liver mass after cholecystectomy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2006 , 21, 1081-2	4	1
45	Primary hepatic lymphoma with spindle cell components: a case report. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2006 , 449, 591-6	5.1	11
44	Laboratory findings of caloric restriction in rodents and primates. <i>Advances in Clinical Chemistry</i> , 2005 , 39, 211-37	5.8	5
43	Acute stress response in calorie-restricted rats to lipopolysaccharide-induced inflammation. <i>Mechanisms of Ageing and Development</i> , 2005 , 126, 568-79	5.6	17
42	Adipose tissue energy metabolism: altered gene expression profile of mice subjected to long-term caloric restriction. <i>FASEB Journal</i> , 2004 , 18, 415-7	0.9	132
41	A solitary Peutz-Jeghers-type hamartomatous polyp in the duodenum. A case report including results of mutation analysis. <i>Digestion</i> , 2004 , 69, 79-82	3.6	29
40	Altered lipid metabolism in rodents subjected to calorie restriction. <i>Geriatrics and Gerontology International</i> , 2004 , 4, S155-S157	2.9	1
39	Aging increases DNase gamma, an apoptosis-related endonuclease, in rat liver nuclei: effect of dietary restriction. <i>Experimental Gerontology</i> , 2004 , 39, 195-202	4.5	10
38	A transgenic dwarf rat model as a tool for the study of calorie restriction and aging. <i>Experimental Gerontology</i> , 2004 , 39, 269-72	4.5	25
37	Expression of DNase gamma during Fas-independent apoptotic DNA fragmentation in rodent hepatocytes. <i>Cell and Tissue Research</i> , 2004 , 316, 403-7	4.2	8
36	Involvement of DNase gamma in apoptotic DNA fragmentation in histiocytic necrotizing lymphadenitis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003 , 443, 170-4	5.1	2
35	Effects of caloric restriction on gene expression in the arcuate nucleus. <i>Neurobiology of Aging</i> , 2003 , 24, 117-23	5.6	22
34	Life span extension by reduction of the growth hormone-insulin-like growth factor-1 axis: relation to caloric restriction. <i>FASEB Journal</i> , 2003 , 17, 1108-9	0.9	94
33	Impact of aging and life-long calorie restriction on expression of apoptosis-related genes in male F344 rat liver. <i>Microscopy Research and Technique</i> , 2002 , 59, 293-300	2.8	33
32	Anti-aging effects of caloric restriction: Involvement of neuroendocrine adaptation by peripheral signaling. <i>Microscopy Research and Technique</i> , 2002 , 59, 317-24	2.8	42
31	Lifespan extension by caloric restriction: an aspect of energy metabolism. <i>Microscopy Research and Technique</i> , 2002 , 59, 325-30	2.8	29

30	Effects of aging and caloric restriction on the gene expression of Foxo1, 3, and 4 (FKHR, FKHL1, and AFX) in the rat skeletal muscles. <i>Microscopy Research and Technique</i> , 2002 , 59, 331-4	2.8	80
29	Life span extension by reduction in growth hormone-insulin-like growth factor-1 axis in a transgenic rat model. <i>American Journal of Pathology</i> , 2002 , 160, 2259-65	5.8	96
28	Leptin signaling and aging: insight from caloric restriction. <i>Mechanisms of Ageing and Development</i> , 2001 , 122, 1511-9	5.6	44
27	Primary low-grade MALT lymphoma of the gallbladder. <i>Pathology International</i> , 2001 , 51, 965-9	1.8	19
26	A case of bilateral middle-ear squamous cell carcinoma. <i>Journal of Laryngology and Otology</i> , 2001 , 115, 815-8	1.8	4
25	Intravenous injection of cycloheximide induces apoptosis and up-regulates p53 and Fas receptor expression in the rat liver in vivo. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000 , 457, 105-11	3.3	14
24	Dietary restriction reduces hepatocyte proliferation and enhances p53 expression but does not increase apoptosis in normal rats during development. <i>Cell and Tissue Research</i> , 2000 , 299, 363-369	4.2	20
23	Apoptosis in the aging process. <i>Cell and Tissue Research</i> , 2000 , 301, 125-32	4.2	163
22	Effects of aging and dietary restriction on mRNA levels of receptors for growth hormone-releasing hormone and somatostatin in the rat pituitary. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000 , 55, B274-9	6.4	10
21	Clinical experiences of microsurgical side-to-end epididymovasostomy for epididymal obstruction. <i>International Journal of Urology</i> , 1999 , 6, 271-4	2.3	6
20	Malignant mesothelioma of the tunica vaginalis testis: report of a case. <i>Surgery Today</i> , 1999 , 29, 1106-10		8
19	The Distribution of Tenascin in Rat Embryos with Normal Heart and Cardiovascular Anomalies Induced by Bis-Diamine. <i>Congenital Anomalies (discontinued)</i> , 1998 , 38, 57-65	1.1	4
18	The Fas/Fas-ligand system functions in hepatocytes in the early stage of fulminant hepatic failure in rats. <i>Hepatology Research</i> , 1998 , 11, 103-114	5.1	3
17	Effect of somatostatin-28 on growth hormone response to growth hormone-releasing hormone--impact of aging and lifelong dietary restriction. <i>Neuroendocrinology</i> , 1997 , 65, 369-76	5.6	8
16	In vivo retrovirus-mediated herpes simplex virus thymidine kinase gene therapy approach for adult T cell leukemia in a rat model. <i>Japanese Journal of Cancer Research</i> , 1997 , 88, 492-500		5
15	VEGF and bFGF mRNA are expressed in ethylnitrosourea-induced experimental rat gliomas. <i>Cellular and Molecular Neurobiology</i> , 1997 , 17, 141-50	4.6	3
14	Pleomorphic adenoma of the breast: report of a case. <i>Surgery Today</i> , 1997 , 27, 278-81	3	13
13	Effect of aging and dietary restriction on hepatocyte proliferation and death in male F344 rats. <i>Cell and Tissue Research</i> , 1997 , 288, 69-77	4.2	33

12	Dietary restriction maintains the basal rate of somatotrope renewal in later life in male rats 1997 , 20, 169-74		5
11	Morphometric analysis of somatotrophs: effects of age and dietary restriction. <i>Neurobiology of Aging</i> , 1996 , 17, 79-86	5.6	11
10	Susceptibility of hepatocytes to cell death induced by single administration of cycloheximide in young and old F344 rats. Effect of dietary restriction. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996 , 357, 225-30	3.3	9
9	Spontaneous rupture of non-aneurysmal ascending aorta. <i>Pathology International</i> , 1996 , 46, 667-72	1.8	3
8	Insulin-like growth factor 2 and insulin-like growth factor binding protein 2 expression in hepatoblastoma. <i>Human Pathology</i> , 1995 , 26, 846-51	3.7	36
7	Minigemistocytic astrocytoma with frequent apoptoses: analysis of tumor growth. <i>Pathology International</i> , 1995 , 45, 610-5	1.8	4
6	The growth hormone-releasing hormone-cyclic adenosine-3',5'-monophosphate signal pathway in somatotropes is practically intact during aging. <i>Neuroendocrinology</i> , 1994 , 60, 575-80	5.6	4
5	An age-related increase in the basal level of DNA damage and DNA vulnerability to oxygen radicals in the individual hepatocytes of male F344 rats. <i>Mutation Research - DNAging</i> , 1994 , 316, 59-67		36
4	Diet and the suitability of the male Fischer 344 rat as a model for aging research. <i>Journal of Gerontology</i> , 1993 , 48, B27-32		90
3	In vivo effects of transforming growth factor-beta 2 in ovariectomized rats. <i>Bone and Mineral</i> , 1993 , 22, 209-20		22
2	GFAP expression in the subcutaneous tumors of immature glial cell line (HITS glioma) derived from ENU-induced rat glioma. <i>Journal of Neuro-Oncology</i> , 1993 , 17, 191-204	4.8	3
1	Intravascular malignant lymphomatosis: a case of T-cell lymphoma probably associated with human T-cell lymphotropic virus. <i>Human Pathology</i> , 1991 , 22, 200-2	3.7	29