

Yoshikazu Higami

List of Publications by Year
in descending order

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121
papers

3,049
citations

172457
29
h-index

197818
49
g-index

127
all docs

127
docs citations

127
times ranked

3556
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptosis in the aging process. Cell and Tissue Research, 2000, 301, 125-132.	2.9	183
2	Trehalose protects against oxidative stress by regulating the Keap1-Nrf2 and autophagy pathways. Redox Biology, 2018, 15, 115-124.	9.0	169
3	Adipose tissue energy metabolism: altered gene expression profile of mice subjected to long-term caloric restriction. FASEB Journal, 2004, 18, 1-26.	0.5	146
4	Energy Restriction Lowers the Expression of Genes Linked to Inflammation, the Cytoskeleton, the Extracellular Matrix, and Angiogenesis in Mouse Adipose Tissue. Journal of Nutrition, 2006, 136, 343-352.	2.9	115
5	Lifespan extension by reduction of the growth hormone-insulin-like growth factor-1 axis: relation to caloric restriction. FASEB Journal, 2003, 17, 1108-1109.	0.5	113
6	Life Span Extension by Reduction in Growth Hormone-Insulin-Like Growth Factor-1 Axis in a Transgenic Rat Model. American Journal of Pathology, 2002, 160, 2259-2265.	3.8	105
7	Diet and the Suitability of the Male Fischer 344 Rat as a Model for Aging Research. Journal of Gerontology, 1993, 48, B27-B32.	1.9	104
8	Effects of aging and caloric restriction on the gene expression of Foxo1, 3, and 4 (FKHR, FKHL1, and) Tj ETQq0 0 0 r gBT /Overlock 10 T	2.2	95
9	Involvement of lysosomal dysfunction in autophagosome accumulation and early pathologies in adipose tissue of obese mice. Autophagy, 2017, 13, 642-653.	9.1	82
10	Manipulation of caloric content but not diet composition, attenuates the deficit in learning and memory of senescence-accelerated mouse strain P8. Experimental Gerontology, 2008, 43, 339-346.	2.8	55
11	Anti-aging effects of caloric restriction: Involvement of neuroendocrine adaptation by peripheral signaling. Microscopy Research and Technique, 2002, 59, 317-324.	2.2	50
12	Differential responses of white adipose tissue and brown adipose tissue to caloric restriction in rats. Mechanisms of Ageing and Development, 2012, 133, 255-266.	4.6	49
13	History of the G Protein-Coupled Receptor (GPCR) Assays From Traditional to a State-of-the-Art Biosensor Assay. Journal of Pharmacological Sciences, 2014, 126, 302-309.	2.5	48
14	Leptin signaling and aging: insight from caloric restriction. Mechanisms of Ageing and Development, 2001, 122, 1511-1519.	4.6	47
15	Sterol regulatory element-binding protein-1c orchestrates metabolic remodeling of white adipose tissue by caloric restriction. Aging Cell, 2017, 16, 508-517.	6.7	47
16	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. Mutation Research - DNAging, 1994, 316, 59-67.	3.2	45
17	Insulin-like growth factor 2 and insulin-like growth factor binding protein 2 expression in hepatoblastoma. Human Pathology, 1995, 26, 846-851.	2.0	39
18	Development of ghrelin resistance in a cancer cachexia rat model using human gastric cancer-derived 85As2 cells and the palliative effects of the Kambo medicine rikkunshito on the model. PLoS ONE, 2017, 12, e0173113.	2.5	39

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19	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.	2.9	38
20	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.	2.2	38
21	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-E387.	3.5	38
22	Down-regulation of AMP-activated protein kinase by calorie restriction in rat liver. <i>Experimental Gerontology</i> , 2007, 42, 1063-1071.	2.8	37
23	Intravascular malignant lymphomatosis: A case of T-cell lymphoma probably associated with human T-cell lymphotropic virus. <i>Human Pathology</i> , 1991, 22, 200-202.	2.0	36
24	Lifespan extension by caloric restriction: An aspect of energy metabolism. <i>Microscopy Research and Technique</i> , 2002, 59, 325-330.	2.2	34
25	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.	3.6	34
26	A Solitary Peutz-Jeghers-Type Hamartomatous Polyp in the Duodenum. <i>Digestion</i> , 2004, 69, 79-82.	2.3	33
27	The Effect of Resveratrol on the Werner Syndrome RecQ Helicase Gene and Telomerase Activity. <i>Current Aging Science</i> , 2011, 4, 1-7.	1.2	32
28	DNA damage-induced CHK1 autophosphorylation at Ser296 is regulated by an intramolecular mechanism. <i>FEBS Letters</i> , 2012, 586, 3974-3979.	2.8	32
29	Association between Lysosomal Dysfunction and Obesity-Related Pathology: A Key Knowledge to Prevent Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3688.	4.1	30
30	Cathepsin B overexpression induces degradation of perilipin 1 to cause lipid metabolism dysfunction in adipocytes. <i>Scientific Reports</i> , 2020, 10, 634.	3.3	30
31	Effects of caloric restriction on gene expression in the arcuate nucleus. <i>Neurobiology of Aging</i> , 2003, 24, 117-123.	3.1	29
32	A transgenic dwarf rat model as a tool for the study of calorie restriction and aging. <i>Experimental Gerontology</i> , 2004, 39, 269-272.	2.8	29
33	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, 5690-5698.	2.8	29
34	Similar metabolic responses to calorie restriction in lean and obese Zucker rats. <i>Molecular and Cellular Endocrinology</i> , 2009, 309, 17-25.	3.2	29
35	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, 321-334.	3.9	29
36	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, 1143-1156.	3.0	28

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37	SREBP-1c-Dependent Metabolic Remodeling of White Adipose Tissue by Caloric Restriction. International Journal of Molecular Sciences, 2018, 19, 3335.	4.1	26
38	Hepatic Gene Expression Profile of Lipid Metabolism in Rats: Impact of Caloric Restriction and Growth Hormone/Insulin-Like Growth Factor-1 Suppression. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 1099-1110.	3.6	25
39	Genetic Suppression of GH-IGF-1 Activity, Combined with Lifelong Caloric Restriction, Prevents Age-Related Renal Damage and Prolongs the Life Span in Rats. American Journal of Nephrology, 2008, 28, 755-764.	3.1	25
40	Taurine is an amino acid with the ability to activate autophagy in adipocytes. Amino Acids, 2018, 50, 527-535.	2.7	24
41	Differential response to caloric restriction of retroperitoneal, epididymal, and subcutaneous adipose tissue depots in rats. Experimental Gerontology, 2018, 104, 127-137.	2.8	24
42	In vivo effects of transforming growth factor- β 2 in ovariectomized rats. Bone and Mineral, 1993, 22, 209-220.	1.9	23
43	Contribution of PGC-1 β to Obesity- and Caloric Restriction-Related Physiological Changes in White Adipose Tissue. International Journal of Molecular Sciences, 2021, 22, 6025.	4.1	23
44	Primary low-grade MALT lymphoma of the gallbladder. Pathology International, 2001, 51, 965-969.	1.3	22
45	Dietary restriction reduces hepatocyte proliferation and enhances p53 expression but does not increase apoptosis in normal rats during development. Cell and Tissue Research, 2000, 299, 363-369.	2.9	21
46	Impact of aging and caloric restriction on fibroblast growth factor 21 signaling in rat white adipose tissue. Experimental Gerontology, 2019, 118, 55-64.	2.8	21
47	An Mdm2 antagonist, Nutlin-3a, induces p53-dependent and proteasome-mediated poly(ADP-ribose) polymerase1 degradation in mouse fibroblasts. Biochemical and Biophysical Research Communications, 2011, 407, 557-561.	2.1	20
48	Autophagosomes accumulate in differentiated and hypertrophic adipocytes in a p53-independent manner. Biochemical and Biophysical Research Communications, 2012, 427, 758-763.	2.1	20
49	Modified Western blotting for insulin and other diabetes-associated peptide hormones. Scientific Reports, 2017, 7, 6949.	3.3	20
50	Effect of Leptin on Hypothalamic Gene Expression in Calorie-Restricted Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 890-898.	3.6	19
51	Srebp-1c/Fgf21/Pgc-1 β Axis Regulated by Leptin Signaling in Adipocytes—Possible Mechanism of Caloric Restriction-Associated Metabolic Remodeling of White Adipose Tissue. Nutrients, 2020, 12, 2054.	4.1	19
52	Acute stress response in calorie-restricted rats to lipopolysaccharide-induced inflammation. Mechanisms of Ageing and Development, 2005, 126, 568-579.	4.6	18
53	Calorie restriction initiated at middle age improved glucose tolerance without affecting age-related impairments of insulin signaling in rat skeletal muscle. Experimental Gerontology, 2006, 41, 837-845.	2.8	18
54	Pituitary growth hormone suppression reduces resistin expression and enhances insulin effectiveness: Relationship with caloric restriction. Experimental Gerontology, 2008, 43, 595-600.	2.8	18

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55	Identification and characterization of an insulin receptor substrate 4-interacting protein in rat brain: Implications for longevity. <i>Neurobiology of Aging</i> , 2009, 30, 474-482.	3.1	18
56	Pleomorphic adenoma of the breast: Report of a case. <i>Surgery Today</i> , 1997, 27, 278-281.	1.5	17
57	Inhibitory effect of p53 on mitochondrial content and function during adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 91-97.	2.1	17
58	Japanese Herbal Medicine Ninjinyoeito Mediates Its Orexigenic Properties Partially by Activating Orexin 1 Receptors. <i>Frontiers in Nutrition</i> , 2020, 7, 5.	3.7	17
59	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, 105-111.	1.0	16
60	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-B279.	3.6	16
61	The Poly(Adenosine Diphosphate-Ribose) Polymerase Inhibitor PJ34 Reduces Pulmonary Ischemia-Reperfusion Injury in Rats. <i>Transplantation</i> , 2014, 98, 618-624.	1.0	16
62	Mitochondrial intermediate peptidase is a novel regulator of sirtuin α 3 activation by caloric restriction. <i>FEBS Letters</i> , 2017, 591, 4067-4073.	2.8	16
63	Mechanisms of the anti-aging and prolongevity effects of caloric restriction: evidence from studies of genetically modified animals. <i>Aging</i> , 2018, 10, 2243-2251.	3.1	16
64	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.	3.3	16
65	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, 827-832.	2.8	15
66	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, 591-596.	2.8	14
67	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.	2.8	14
68	Transgenic Mice Overexpressing SREBP-1a in Male ob/ob Mice Exhibit Lipodystrophy and Exacerbate Insulin Resistance. <i>Endocrinology</i> , 2018, 159, 2308-2323.	2.8	14
69	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, 3271.	4.1	14
70	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.	2.5	14
71	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, 225-230.	1.0	13
72	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.	2.6	12

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73	Morphometric analysis of somatotrophs: Effects of age and dietary restriction. <i>Neurobiology of Aging</i> , 1996, 17, 79-86.	3.1	11
74	Alteration of the extracellular matrix and alpha α -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.	2.7	11
75	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.	1.8	11
76	Aging increases DNase \hat{I}^3 , an apoptosis-related endonuclease, in rat liver nuclei: effect of dietary restriction. <i>Experimental Gerontology</i> , 2004, 39, 195-202.	2.8	10
77	Identification of differentially expressed genes in senescence-accelerated mouse testes by suppression subtractive hybridization analysis. <i>Mammalian Genome</i> , 2007, 18, 105-112.	2.2	10
78	Calorie restriction initiated at a young age activates the Akt/PKC \hat{I}^1/\hat{I}^2 -Glut4 pathway in rat white adipose tissue in an insulin-independent manner. <i>Age</i> , 2008, 30, 293-302.	3.0	10
79	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.	2.3	10
80	Oxytocin Is a Positive Allosteric Modulator of \hat{I}^2 -Opioid Receptors but Not \hat{I}^1 -Opioid Receptors in the G Protein Signaling Pathway. <i>Cells</i> , 2021, 10, 2651.	4.1	10
81	Clinical experiences of microsurgical side-to-side epididymovasostomy for epididymal obstruction. <i>International Journal of Urology</i> , 1999, 6, 271-274.	1.0	9
82	Malignant mesothelioma of the tunica vaginalis testis: Report of a case. <i>Surgery Today</i> , 1999, 29, 1106-1110.	1.5	9
83	Identification of Fasting-induced Genes in the Rat Hypothalamus. <i>Annals of the New York Academy of Sciences</i> , 2007, 1119, 216-226.	3.8	9
84	Reversible induction of PARP1 degradation by p53-inducible cis-imidazoline compounds. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 15-19.	2.1	9
85	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, 369-376.	2.5	8
86	A case of bilateral middle-ear squamous cell carcinoma. <i>Journal of Laryngology and Otology</i> , 2001, 115, 815-8.	0.8	8
87	Expression of DNase gamma during Fas-independent apoptotic DNA fragmentation in rodent hepatocytes. <i>Cell and Tissue Research</i> , 2004, 316, 403-407.	2.9	8
88	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.	2.1	8
89	Mitochondrial Unfolded Protein Responses in White Adipose Tissue: Lipatrophy, Whole-Body Metabolism and Lifespan. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2854.	4.1	8
90	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, 2204-2213.	2.4	7

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91	Prolonged caloric restriction ameliorates age-related atrophy in slow and fast muscle fibers of rat soleus muscle. <i>Experimental Gerontology</i> , 2021, 154, 111519.	2.8	7
92	Laboratory Findings of Caloric Restriction in Rodents and Primates. <i>Advances in Clinical Chemistry</i> , 2005, 39, 211-237.	3.7	6
93	Acute Gastritis Associated With Invading <i>Helicobacter heilmannii</i> Organisms From a Previously Homeless Cat. <i>Journal of Clinical Gastroenterology</i> , 2008, 42, 216-217.	2.2	6
94	Noninvasive and Safe Cell Viability Assay for Breast Cancer MCF-7 Cells Using Natural Food Pigment. <i>Biology</i> , 2020, 9, 227.	2.8	6
95	Trehalose induces SQSTM1/p62 expression and enhances lysosomal activity and antioxidative capacity in adipocytes. <i>FEBS Open Bio</i> , 2021, 11, 185-194.	2.3	6
96	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.	1.7	5
97	Dietary restriction maintains the basal rate of somatotrope renewal in later life in male rats. <i>Age</i> , 1997, 20, 169-174.	3.0	5
98	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.	0.6	5
99	Involvement of DNase ? in apoptotic DNA fragmentation in histiocytic necrotizing lymphadenitis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 443, 170-174.	2.8	5
100	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, 3852.	4.1	5
101	The Growth Hormone-Releasing Hormone-Cyclic Adenosine-3'5'-Monophosphate Signal Pathway in Somatotropes Is Practically Intact during Aging. <i>Neuroendocrinology</i> , 1994, 60, 575-580.	2.5	4
102	Minigemistocytic astrocytoma with frequent apoptoses: Analysis of tumor growth. <i>Pathology International</i> , 1995, 45, 610-616.	1.3	4
103	Spontaneous rupture of nonaneurysmal ascending aorta. <i>Pathology International</i> , 1996, 46, 667-672.	1.3	4
104	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.	3.4	4
105	A novel mouse model for tracking the fate of CXCR5-expressing T cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1642-1647.	2.1	4
106	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.	1.8	4
107	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.	2.9	3
108	VEGF and bFGF mRNA are expressed in ethylnitrosourea-induced experimental rat gliomas. <i>Cellular and Molecular Neurobiology</i> , 1997, 17, 141-150.	3.3	3

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109	Long-Term Dietary Taurine Lowers Plasma Levels of Cholesterol and Bile Acids. International Journal of Molecular Sciences, 2022, 23, 1793.	4.1	3
110	Renoprotective effects of telmisartan after unilateral renal ablation in rats. International Journal of Nephrology and Renovascular Disease, 2013, 6, 207.	1.8	2
111	Acyclic Retinoid Combined With Tenascin-C-derived Peptide Reduces the Malignant Phenotype of Neuroblastoma Cells Through N-Myc Degradation. Anticancer Research, 2019, 39, 3487-3492.	1.1	2
112	Hyperglycemia contributes to the development of Leydig cell hyperplasia in male Spontaneously Diabetic Torii rats. Journal of Toxicologic Pathology, 2020, 33, 121-129.	0.7	2
113	The Radical Scavenger NZ-419 Suppresses Intestinal Polyp Development in Apc-Mutant Mice. Journal of Clinical Medicine, 2020, 9, 270.	2.4	2
114	Altered lipid metabolism in rodents subjected to calorie restriction. Geriatrics and Gerontology International, 2004, 4, S155-S157.	1.5	1
115	Fatal Alcaligenes xylosoxidans infection of the liver: Presenting as a liver mass after cholecystectomy. Journal of Gastroenterology and Hepatology (Australia), 2006, 21, 1081-1082.	2.8	1
116	A novel method for evaluating activity of transient receptor potential channels using a cellular dielectric spectroscopy. Journal of Pharmacological Sciences, 2020, 143, 320-324.	2.5	1
117	A novel caloric restriction mediator. Aging, 2017, 9, 2012-2013.	3.1	1
118	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 β 1-integrin inactivation. American Journal of Cancer Research, 2020, 10, 3990-4004.	1.4	1
119	Induction of cellular senescence in fibroblasts through β 1-integrin activation by tenascin-C-derived peptide and its protumor effect. American Journal of Cancer Research, 2021, 11, 4364-4379.	1.4	1
120	Autophagy in Adipose Tissue. , 2016, , 147-156.		0
121	Individual evaluation of aging- and caloric restriction-related changes to distinct multimeric complexes of circulating adiponectin by immunoblotting. Experimental Gerontology, 2022, 164, 111821.	2.8	0