

# Tamar Tchkonja

## List of Publications by Year in descending order

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150  
papers

30,025  
citations

9786

73  
h-index

8630

146  
g-index

160  
all docs

160  
docs citations

160  
times ranked

21937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clearance of p16Ink4a-positive senescent cells delays ageing-associated disorders. <i>Nature</i> , 2011, 479, 232-236.	27.8	2,806
2	The Achillesâ€™ heel of senescent cells: from transcriptome to senolytic drugs. <i>Aging Cell</i> , 2015, 14, 644-658.	6.7	1,534
3	Senolytics improve physical function and increase lifespan in old age. <i>Nature Medicine</i> , 2018, 24, 1246-1256.	30.7	1,384
4	Cellular senescence and the senescent secretory phenotype: therapeutic opportunities. <i>Journal of Clinical Investigation</i> , 2013, 123, 966-972.	8.2	1,326
5	Cellular senescence mediates fibrotic pulmonary disease. <i>Nature Communications</i> , 2017, 8, 14532.	12.8	1,008
6	Fat tissue, aging, and cellular senescence. <i>Aging Cell</i> , 2010, 9, 667-684.	6.7	834
7	Targeting cellular senescence prevents age-related bone loss in mice. <i>Nature Medicine</i> , 2017, 23, 1072-1079.	30.7	754
8	Senolytics in idiopathic pulmonary fibrosis: Results from a first-in-human, open-label, pilot study. <i>EBioMedicine</i> , 2019, 40, 554-563.	6.1	746
9	Identification of a novel senolytic agent, navitoclax, targeting the Bclâ€™2 family of antiâ€™apoptotic factors. <i>Aging Cell</i> , 2016, 15, 428-435.	6.7	717
10	Senolytics decrease senescent cells in humans: Preliminary report from a clinical trial of Dasatinib plus Quercetin in individuals with diabetic kidney disease. <i>EBioMedicine</i> , 2019, 47, 446-456.	6.1	697
11	Cellular Senescence: A Translational Perspective. <i>EBioMedicine</i> , 2017, 21, 21-28.	6.1	690
12	Cellular senescence drives age-dependent hepatic steatosis. <i>Nature Communications</i> , 2017, 8, 15691.	12.8	673
13	Fisetin is a senotherapeutic that extends health and lifespan. <i>EBioMedicine</i> , 2018, 36, 18-28.	6.1	554
14	JAK inhibition alleviates the cellular senescence-associated secretory phenotype and frailty in old age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6301-10.	7.1	543
15	Chronic senolytic treatment alleviates established vasomotor dysfunction in aged or atherosclerotic mice. <i>Aging Cell</i> , 2016, 15, 973-977.	6.7	540
16	Senolytic drugs: from discovery to translation. <i>Journal of Internal Medicine</i> , 2020, 288, 518-536.	6.0	515
17	Mechanisms and Metabolic Implications of Regional Differences among Fat Depots. <i>Cell Metabolism</i> , 2013, 17, 644-656.	16.2	507
18	New agents that target senescent cells: the flavone, fisetin, and the BCL-XL inhibitors, A1331852 and A1155463. <i>Aging</i> , 2017, 9, 955-963.	3.1	469

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19	Identification of HSP90 inhibitors as a novel class of senolytics. <i>Nature Communications</i> , 2017, 8, 422.	12.8	466
20	Targeting senescent cells enhances adipogenesis and metabolic function in old age. <i>ELife</i> , 2015, 4, e12997.	6.0	436
21	Identification of inducible brown adipocyte progenitors residing in skeletal muscle and white fat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 143-148.	7.1	425
22	The Clinical Potential of Senolytic Drugs. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 2297-2301.	2.6	416
23	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Ageing Cell</i> , 2019, 18, e12950.	6.7	395
24	Identification of Senescent Cells in the Bone Microenvironment. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1920-1929.	2.8	352
25	Regional differences in cellular mechanisms of adipose tissue gain with overfeeding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18226-18231.	7.1	322
26	Identification of depot-specific human fat cell progenitors through distinct expression profiles and developmental gene patterns. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E298-E307.	3.5	309
27	Length-independent telomere damage drives post-mitotic cardiomyocyte senescence. <i>EMBO Journal</i> , 2019, 38, .	7.8	307
28	Adipogenesis and aging: does aging make fat go MAD?. <i>Experimental Gerontology</i> , 2002, 37, 757-767.	2.8	305
29	Cellular Senescence in Type 2 Diabetes: A Therapeutic Opportunity. <i>Diabetes</i> , 2015, 64, 2289-2298.	0.6	294
30	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. <i>Cell Metabolism</i> , 2019, 29, 1061-1077.e8.	16.2	293
31	Senescent cell clearance by the immune system: Emerging therapeutic opportunities. <i>Seminars in Immunology</i> , 2018, 40, 101275.	5.6	285
32	The role of cellular senescence in ageing and endocrine disease. <i>Nature Reviews Endocrinology</i> , 2020, 16, 263-275.	9.6	276
33	Aging in adipocytes: Potential impact of inherent, depot-specific mechanisms. <i>Experimental Gerontology</i> , 2007, 42, 463-471.	2.8	251
34	Adipose Tissue Endothelial Cells From Obese Human Subjects: Differences Among Depots in Angiogenic, Metabolic, and Inflammatory Gene Expression and Cellular Senescence. <i>Diabetes</i> , 2010, 59, 2755-2763.	0.6	232
35	Fat depot origin affects adipogenesis in primary cultured and cloned human preadipocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R1286-R1296.	1.8	219
36	Cellular senescence and the senescent secretory phenotype in age-related chronic diseases. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014, 17, 324-328.	2.5	215

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37	Abundance of two human preadipocyte subtypes with distinct capacities for replication, adipogenesis, and apoptosis varies among fat depots. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E267-E277.	3.5	214
38	Ageing, Cell Senescence, and Chronic Disease. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1319.	7.4	214
39	Fat Depot-Specific Characteristics Are Retained in Strains Derived From Single Human Preadipocytes. <i>Diabetes</i> , 2006, 55, 2571-2578.	0.6	207
40	Aged-senescent cells contribute to impaired heart regeneration. <i>Aging Cell</i> , 2019, 18, e12931.	6.7	202
41	Inducible Toll-like Receptor and NF- $\kappa$ B Regulatory Pathway Expression in Human Adipose Tissue. <i>Obesity</i> , 2008, 16, 932-937.	3.0	199
42	Ageing and Regional Differences in Fat Cell Progenitors – A Mini-Review. <i>Gerontology</i> , 2011, 57, 66-75.	2.8	196
43	Whole-body senescent cell clearance alleviates age-related brain inflammation and cognitive impairment in mice. <i>Aging Cell</i> , 2021, 20, e13296.	6.7	186
44	Exercise Prevents Diet-Induced Cellular Senescence in Adipose Tissue. <i>Diabetes</i> , 2016, 65, 1606-1615.	0.6	185
45	Senolytics reduce coronavirus-related mortality in old mice. <i>Science</i> , 2021, 373, .	12.6	184
46	Pathogenesis of pancreatic cancer exosome-induced lipolysis in adipose tissue. <i>Gut</i> , 2016, 65, 1165-1174.	12.1	173
47	Transplanted Senescent Cells Induce an Osteoarthritis-Like Condition in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw154.	3.6	163
48	CD38 ecto-enzyme in immune cells is induced during aging and regulates NAD <sup>+</sup> and NMN levels. <i>Nature Metabolism</i> , 2020, 2, 1284-1304.	11.9	157
49	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 779-803.	9.4	151
50	Biology of premature ageing in survivors of cancer. <i>ESMO Open</i> , 2017, 2, e000250.	4.5	148
51	Altered expression of C/EBP family members results in decreased adipogenesis with aging. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R1772-R1780.	1.8	143
52	Activin A Plays a Critical Role in Proliferation and Differentiation of Human Adipose Progenitors. <i>Diabetes</i> , 2010, 59, 2513-2521.	0.6	140
53	Effects of dihydrotestosterone on differentiation and proliferation of human mesenchymal stem cells and preadipocytes. <i>Molecular and Cellular Endocrinology</i> , 2008, 296, 32-40.	3.2	138
54	Senescence and Cancer: A Review of Clinical Implications of Senescence and Senotherapies. <i>Cancers</i> , 2020, 12, 2134.	3.7	134

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55	Frailty in childhood cancer survivors. <i>Cancer</i> , 2015, 121, 1540-1547.	4.1	132
56	Senescent Cells: Emerging Targets for Human Aging and Age-Related Diseases. <i>Trends in Biochemical Sciences</i> , 2020, 45, 578-592.	7.5	126
57	Liver-Specific GH Receptor Gene-Disrupted (LIGHRKO) Mice Have Decreased Endocrine IGF-I, Increased Local IGF-I, and Altered Body Size, Body Composition, and Adipokine Profiles. <i>Endocrinology</i> , 2014, 155, 1793-1805.	2.8	125
58	Clinical strategies and animal models for developing senolytic agents. <i>Experimental Gerontology</i> , 2015, 68, 19-25.	2.8	125
59	Senolytics prevent mt-DNA-induced inflammation and promote the survival of aged organs following transplantation. <i>Nature Communications</i> , 2020, 11, 4289.	12.8	125
60	Cellular Senescence and the Biology of Aging, Disease, and Frailty. Nestle Nutrition Institute Workshop Series, 2015, 83, 11-18.	0.1	117
61	Sex- and Depot-Dependent Differences in Adipogenesis in Normal-Weight Humans. <i>Obesity</i> , 2010, 18, 1875-1880.	3.0	113
62	Senolytic Combination of Dasatinib and Quercetin Alleviates Intestinal Senescence and Inflammation and Modulates the Gut Microbiome in Aged Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1895-1905.	3.6	113
63	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. <i>Aging</i> , 2014, 6, 575-586.	3.1	107
64	Reducing Senescent Cell Burden in Aging and Disease. <i>Trends in Molecular Medicine</i> , 2020, 26, 630-638.	6.7	102
65	Neutrophils induce paracrine telomere dysfunction and senescence in ROS-dependent manner. <i>EMBO Journal</i> , 2021, 40, e106048.	7.8	101
66	Discovery, development, and future application of senolytics: theories and predictions. <i>FEBS Journal</i> , 2020, 287, 2418-2427.	4.7	100
67	Targeting senescent cholangiocytes and activated fibroblasts with B-cell lymphoma-2 extra large inhibitors ameliorates fibrosis in multidrug resistance 2 gene knockout (MDR2 <sup>-/-</sup> ) mice. <i>Hepatology</i> , 2018, 67, 247-259.	7.3	99
68	Premature Physiologic Aging as a Paradigm for Understanding Increased Risk of Adverse Health Across the Lifespan of Survivors of Childhood Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 2206-2215.	1.6	99
69	TNF $\alpha$ -senescence initiates a STAT-dependent positive feedback loop, leading to a sustained interferon signature, DNA damage, and cytokine secretion. <i>Aging</i> , 2017, 9, 2411-2435.	3.1	95
70	Cellular Senescence Biomarker p16INK4a+ Cell Burden in Thigh Adipose is Associated With Poor Physical Function in Older Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 939-945.	3.6	92
71	17 $\beta$ -Estradiol Alleviates Age-related Metabolic and Inflammatory Dysfunction in Male Mice Without Inducing Feminization. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 3-15.	3.6	91
72	The NADase CD38 is induced by factors secreted from senescent cells providing a potential link between senescence and age-related cellular NAD <sup>+</sup> decline. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 486-493.	2.1	90

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73	TRAIL receptor deletion in mice suppresses the inflammation of nutrient excess. <i>Journal of Hepatology</i> , 2015, 62, 1156-1163.	3.7	85
74	A toolbox for the longitudinal assessment of healthspan in aging mice. <i>Nature Protocols</i> , 2020, 15, 540-574.	12.0	81
75	Induction of colitis causes inflammatory responses in fat depots: Evidence for substance P pathways in human mesenteric preadipocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5207-5212.	7.1	80
76	Human Obesity Induces Dysfunction and Early Senescence in Adipose Tissue-Derived Mesenchymal Stromal/Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 197.	3.7	79
77	Increased renal cellular senescence in murine high-fat diet: effect of the senolytic drug quercetin. <i>Translational Research</i> , 2019, 213, 112-123.	5.0	78
78	Independent Roles of Estrogen Deficiency and Cellular Senescence in the Pathogenesis of Osteoporosis: Evidence in Young Adult Mice and Older Humans. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1407-1418.	2.8	77
79	Aging, Depot Origin, and Preadipocyte Gene Expression. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 242-251.	3.6	76
80	Fat depot origin affects fatty acid handling in cultured rat and human preadipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E238-E247.	3.5	75
81	Targeted Reduction of Senescent Cell Burden Alleviates Focal Radiotherapy-Related Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1119-1131.	2.8	74
82	Sphingolipid Content of Human Adipose Tissue: Relationship to Adiponectin and Insulin Resistance. <i>Obesity</i> , 2012, 20, 2341-2347.	3.0	71
83	Targeting Senescent Cells for a Healthier Aging: Challenges and Opportunities. <i>Advanced Science</i> , 2020, 7, 2002611.	11.2	70
84	Aging results in paradoxical susceptibility of fat cell progenitors to lipotoxicity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1041-E1051.	3.5	68
85	Targeting p21 <sup>Cip1</sup> highly expressing cells in adipose tissue alleviates insulin resistance in obesity. <i>Cell Metabolism</i> , 2022, 34, 75-89.e8.	16.2	68
86	New Horizons: Novel Approaches to Enhance Healthspan Through Targeting Cellular Senescence and Related Aging Mechanisms. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1481-e1487.	3.6	67
87	An inducible p21-Cre mouse model to monitor and manipulate p21-highly-expressing senescent cells in vivo. <i>Nature Aging</i> , 2021, 1, 962-973.	11.6	61
88	Increased TNF $\alpha$ and CCAAT/enhancer-binding protein homologous protein with aging predispose preadipocytes to resist adipogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1810-E1819.	3.5	60
89	Histone deacetylase 3 supports endochondral bone formation by controlling cytokine signaling and matrix remodeling. <i>Science Signaling</i> , 2016, 9, ra79.	3.6	60
90	Increased CUG Triplet Repeat-binding Protein-1 Predisposes to Impaired Adipogenesis with Aging. <i>Journal of Biological Chemistry</i> , 2006, 281, 23025-23033.	3.4	56

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91	Perspective: Targeting the JAK/STAT pathway to fight age-related dysfunction. <i>Pharmacological Research</i> , 2016, 111, 152-154.	7.1	54
92	Transplanting cells from old but not young donors causes physical dysfunction in older recipients. <i>Aging Cell</i> , 2020, 19, e13106.	6.7	51
93	SARS-CoV-2 causes senescence in human cells and exacerbates the senescence-associated secretory phenotype through TLR-3. <i>Aging</i> , 2021, 13, 21838-21854.	3.1	51
94	Cellular senescence in aging and age-related diseases: Implications for neurodegenerative diseases. <i>International Review of Neurobiology</i> , 2020, 155, 203-234.	2.0	50
95	Targeting senescence improves angiogenic potential of adipose-derived mesenchymal stem cells in patients with preeclampsia. <i>Biology of Sex Differences</i> , 2019, 10, 49.	4.1	49
96	Dasatinib plus quercetin prevents uterine age-related dysfunction and fibrosis in mice. <i>Aging</i> , 2020, 12, 2711-2722.	3.1	49
97	Strategies for late phase preclinical and early clinical trials of senolytics. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111591.	4.6	48
98	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHR <sup>-/-</sup> mice. <i>Aging</i> , 2015, 7, 500-512.	3.1	46
99	IGF-I Activation of the AKT Pathway Is Impaired in Visceral But Not Subcutaneous Preadipocytes from Obese Subjects. <i>Endocrinology</i> , 2010, 151, 3752-3763.	2.8	45
100	Progressive Cellular Senescence Mediates Renal Dysfunction in Ischemic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1987-2004.	6.1	42
101	Targeted clearance of p21 <sup>+</sup> but not p16 <sup>+</sup> positive senescent cells prevents radiation-induced osteoporosis and increased marrow adiposity. <i>Aging Cell</i> , 2022, 21, e13602.	6.7	40
102	Substance P promotes expansion of human mesenteric preadipocytes through proliferative and antiapoptotic pathways. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G1012-G1019.	3.4	39
103	Impact of Senescent Cell Subtypes on Tissue Dysfunction and Repair: Importance and Research Questions. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111548.	4.6	39
104	Senescence marker activin A is increased in human diabetic kidney disease: association with kidney function and potential implications for therapy. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000720.	2.8	36
105	Fisetin for COVID-19 in skilled nursing facilities: Senolytic trials in the COVID era. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3023-3033.	2.6	35
106	Partial inhibition of mitochondrial complex I ameliorates Alzheimer's disease pathology and cognition in APP/PS1 female mice. <i>Communications Biology</i> , 2021, 4, 61.	4.4	35
107	Senolytic Therapy to Modulate the Progression of Alzheimer's Disease (SToMP-AD): A Pilot Clinical Trial. <i>Journal of Prevention of Alzheimer's Disease</i> , The, 2022, 9, 1-8.	2.7	34
108	TNF $\alpha$ /IFN $\beta$ synergy amplifies senescence-associated inflammation and SARS-CoV-2 receptor expression via hyperactivated JAK/STAT1. <i>Aging Cell</i> , 2022, 21, .	6.7	31

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109	Preferential impact of pregnancy-associated plasma protein-A deficiency on visceral fat in mice on high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1145-E1153.	3.5	29
110	The enigmatic role of growth hormone in age-related diseases, cognition, and longevity. <i>GeroScience</i> , 2019, 41, 759-774.	4.6	29
111	Inflammation and the depot-specific secretome of human preadipocytes. <i>Obesity</i> , 2015, 23, 989-999.	3.0	28
112	Markers of cellular senescence are elevated in murine blastocysts cultured in vitro: molecular consequences of culture in atmospheric oxygen. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 1259-1267.	2.5	27
113	Transplanted senescent renal scattered tubular-like cells induce injury in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F1167-F1176.	2.7	27
114	Quercetin Reverses Cardiac Systolic Dysfunction in Mice Fed with a High-Fat Diet: Role of Angiogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	4.0	27
115	Orally-active, clinically-translatable senolytics restore $\hat{I}\pm$ -Klotho in mice and humans. <i>EBioMedicine</i> , 2022, 77, 103912.	6.1	27
116	The murine dialysis fistula model exhibits a senescence phenotype: pathobiological mechanisms and therapeutic potential. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1493-F1499.	2.7	26
117	Increased cellular senescence in the murine and human stenotic kidney: Effect of mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2021, 236, 1332-1344.	4.1	25
118	Role of senescence in the chronic health consequences of COVID-19. <i>Translational Research</i> , 2022, 241, 96-108.	5.0	25
119	Deleted in $\langle scp \rangle B \langle /scp \rangle$ reast $\langle scp \rangle C \langle /scp \rangle$ ancer 1 regulates cellular senescence during obesity. <i>Aging Cell</i> , 2014, 13, 951-953.	6.7	23
120	Selective Vulnerability of Senescent Glioblastoma Cells to BCL-XL Inhibition. <i>Molecular Cancer Research</i> , 2022, 20, 938-948.	3.4	22
121	Current Views of the Fat Cell as an Endocrine Cell: Lipotoxicity. , 2006, , 105-123.		21
122	Immune checkpoint protein VSIG4 as a biomarker of aging in murine adipose tissue. <i>Aging Cell</i> , 2020, 19, e13219.	6.7	21
123	Senolytics: Potential for Alleviating Diabetes and Its Complications. <i>Endocrinology</i> , 2021, 162, .	2.8	21
124	Epigenetic and senescence markers indicate an accelerated ageing-like state in women with preeclamptic pregnancies. <i>EBioMedicine</i> , 2021, 70, 103536.	6.1	20
125	Deleted in Breast Cancer 1 Limits Adipose Tissue Fat Accumulation and Plays a Key Role in the Development of Metabolic Syndrome Phenotype. <i>Diabetes</i> , 2015, 64, 12-22.	0.6	19
126	Senescent cells in human adipose tissue: A cross-sectional study. <i>Obesity</i> , 2021, 29, 1320-1327.	3.0	18



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127	IGF1r attenuates FFA-induced activation of JNK1 phosphorylation and TNF $\alpha$ expression in human subcutaneous preadipocytes. <i>Obesity</i> , 2013, 21, 1843-1849.	3.0	17
128	FBF1 deficiency promotes beiging and healthy expansion of white adipose tissue. <i>Cell Reports</i> , 2021, 36, 109481.	6.4	17
129	Growth Hormone Receptor Antagonist Transgenic Mice Have Increased Subcutaneous Adipose Tissue Mass, Altered Glucose Homeostasis and No Change in White Adipose Tissue Cellular Senescence. <i>Gerontology</i> , 2016, 62, 163-172.	2.8	15
130	Accelerated aging in older cancer survivors. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3077-3080.	2.6	15
131	miR-146a-5p modulates cellular senescence and apoptosis in visceral adipose tissue of long-lived Ames dwarf mice and in cultured pre-adipocytes. <i>GeroScience</i> , 2022, 44, 503-518.	4.6	15
132	Diabetic Kidney Disease Alters the Transcriptome and Function of Human Adipose-Derived Mesenchymal Stromal Cells but Maintains Immunomodulatory and Paracrine Activities Important for Renal Repair. <i>Diabetes</i> , 2021, 70, 1561-1574.	0.6	12
133	Mechanisms of vascular dysfunction in the interleukin-10-deficient murine model of preeclampsia indicate nitric oxide dysregulation. <i>Kidney International</i> , 2021, 99, 646-656.	5.2	10
134	Obesity, Senescence, and Senolytics. <i>Handbook of Experimental Pharmacology</i> , 2021, , 165-180.	1.8	10
135	Different fat depots are distinct mini-organs. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2001, 8, 227-234.	0.6	9
136	SMAD4 mutations and cross-talk between TGF- $\beta$ 2/IFN $\gamma$ 3 signaling accelerate rates of DNA damage and cellular senescence, resulting in a segmental progeroid syndrome—the Myhre syndrome. <i>GeroScience</i> , 2021, 43, 1481-1496.	4.6	9
137	JAK/STAT inhibition augments soleus muscle function in a rat model of critical illness myopathy via regulation of complement C3/3R. <i>Journal of Physiology</i> , 2021, 599, 2869-2886.	2.9	9
138	The Aging Adipose Organ: Lipid Redistribution, Inflammation, and Cellular Senescence. , 2014, , 69-80.		8
139	Muscle-specific differences in expression and phosphorylation of the Janus kinase 2/Signal Transducer and Activator of Transcription 3 following long-term mechanical ventilation and immobilization in rats. <i>Acta Physiologica</i> , 2018, 222, e12980.	3.8	8
140	Chronic HIV Infection and Aging: Application of a Geroscience-Guided Approach. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 89, S34-S46.	2.1	8
141	Palmitate induces DNA damage and senescence in human adipocytes in vitro that can be alleviated by oleic acid but not inorganic nitrate. <i>Experimental Gerontology</i> , 2022, 163, 111798.	2.8	8
142	Aging and Adipose Tissue. , 2011, , 119-139.		7
143	Growth hormone in adipose dysfunction and senescence. <i>Oncotarget</i> , 2015, 6, 10667-10668.	1.8	6
144	Inflammatory characteristics of adipose tissue collected by surgical excision vs needle aspiration. <i>International Journal of Obesity</i> , 2015, 39, 874-876.	3.4	5

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145	Selective kidney targeting increases the efficacy of mesenchymal stromal/stem cells for alleviation of murine stenotic kidney senescence and damage. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 550-558.	2.7	5
146	Therapeutic Approaches to Aging Reply. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 901.	7.4	4
147	Senescence in obesity. , 2022, , 289-308.		3
148	The Way Forward: Translation. , 2016, , 593-622.		0
149	Discovery of Senolytics and the Pathway to Early Phase Clinical Trials. <i>Healthy Ageing and Longevity</i> , 2020, , 21-40.	0.2	0
150	Senolytics in Idiopathic Pulmonary Fibrosis: The First-in-Human Randomized Controlled Trial. , 2022, , .		0