

Thomas von Zglinicki

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5238328/thomas-von-zglinicki-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

20,447
citations

67
h-index

142
g-index

162
ext. papers

23,580
ext. citations

7.2
avg. IF

6.85
L-index

#	Paper	IF	Citations
160	A DNA damage checkpoint response in telomere-initiated senescence. <i>Nature</i> , 2003 , 426, 194-8	50.4	2025
159	Oxidative stress shortens telomeres. <i>Trends in Biochemical Sciences</i> , 2002 , 27, 339-44	10.3	1775
158	Mild hyperoxia shortens telomeres and inhibits proliferation of fibroblasts: a model for senescence?. <i>Experimental Cell Research</i> , 1995 , 220, 186-93	4.2	691
157	Cellular Senescence: Defining a Path Forward. <i>Cell</i> , 2019 , 179, 813-827	56.2	646
156	Fat tissue, aging, and cellular senescence. <i>Aging Cell</i> , 2010 , 9, 667-84	9.9	645
155	Feedback between p21 and reactive oxygen production is necessary for cell senescence. <i>Molecular Systems Biology</i> , 2010 , 6, 347	12.2	578
154	Mitochondrial dysfunction accounts for the stochastic heterogeneity in telomere-dependent senescence. <i>PLoS Biology</i> , 2007 , 5, e110	9.7	486
153	DNA damage response and cellular senescence in tissues of aging mice. <i>Aging Cell</i> , 2009 , 8, 311-23	9.9	472
152	Chronic inflammation induces telomere dysfunction and accelerates ageing in mice. <i>Nature Communications</i> , 2014 , 2, 4172	17.4	455
151	Cellular senescence drives age-dependent hepatic steatosis. <i>Nature Communications</i> , 2017 , 8, 15691	17.4	408
150	Accumulation of single-strand breaks is the major cause of telomere shortening in human fibroblasts. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 64-74	7.8	406
149	A senescent cell bystander effect: senescence-induced senescence. <i>Aging Cell</i> , 2012 , 11, 345-9	9.9	400
148	Mitochondria are required for pro-ageing features of the senescent phenotype. <i>EMBO Journal</i> , 2016 , 35, 724-42	13	357
147	Cdkn1a deletion improves stem cell function and lifespan of mice with dysfunctional telomeres without accelerating cancer formation. <i>Nature Genetics</i> , 2007 , 39, 99-105	36.3	352
146	Preferential accumulation of single-stranded regions in telomeres of human fibroblasts. <i>Experimental Cell Research</i> , 1998 , 239, 152-60	4.2	335
145	Role of oxidative stress in telomere length regulation and replicative senescence. <i>Annals of the New York Academy of Sciences</i> , 2000 , 908, 99-110	6.5	312
144	Telomerase does not counteract telomere shortening but protects mitochondrial function under oxidative stress. <i>Journal of Cell Science</i> , 2008 , 121, 1046-53	5.3	307

143	Postmitotic neurons develop a p21-dependent senescence-like phenotype driven by a DNA damage response. <i>Aging Cell</i> , 2012 , 11, 996-1004	9.9	299
142	Gender and telomere length: systematic review and meta-analysis. <i>Experimental Gerontology</i> , 2014 , 51, 15-27	4.5	285
141	Frailty and the role of inflammation, immunosenescence and cellular ageing in the very old: cross-sectional findings from the Newcastle 85+ Study. <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 456-66	5.6	283
140	Telomere length in white blood cells is not associated with morbidity or mortality in the oldest old: a population-based study. <i>Aging Cell</i> , 2005 , 4, 287-90	9.9	261
139	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , 2000 , 14, 1490-1498	0.9	261
138	Short telomeres in patients with vascular dementia: an indicator of low antioxidative capacity and a possible risk factor?. <i>Laboratory Investigation</i> , 2000 , 80, 1739-47	5.9	259
137	DNA damage in telomeres and mitochondria during cellular senescence: is there a connection?. <i>Nucleic Acids Research</i> , 2007 , 35, 7505-13	20.1	244
136	A continuous correlation between oxidative stress and telomere shortening in fibroblasts. <i>Experimental Gerontology</i> , 2007 , 42, 1039-42	4.5	234
135	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Aging Cell</i> , 2019 , 18, e12950	9.9	218
134	Downregulation of multiple stress defense mechanisms during differentiation of human embryonic stem cells. <i>Stem Cells</i> , 2008 , 26, 455-64	5.8	217
133	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , 2000 , 14, 1490-8	0.9	209
132	Telomere length predicts poststroke mortality, dementia, and cognitive decline. <i>Annals of Neurology</i> , 2006 , 60, 174-80	9.4	208
131	Stress defense in murine embryonic stem cells is superior to that of various differentiated murine cells. <i>Stem Cells</i> , 2004 , 22, 962-71	5.8	207
130	Replicative aging, telomeres, and oxidative stress. <i>Annals of the New York Academy of Sciences</i> , 2002 , 959, 24-9	6.5	195
129	Extracellular superoxide dismutase is a major antioxidant in human fibroblasts and slows telomere shortening. <i>Journal of Biological Chemistry</i> , 2003 , 278, 6824-30	5.4	191
128	Fat depot-specific characteristics are retained in strains derived from single human preadipocytes. <i>Diabetes</i> , 2006 , 55, 2571-8	0.9	189
127	Protein oxidation and degradation during cellular senescence of human BJ fibroblasts: part I--effects of proliferative senescence. <i>FASEB Journal</i> , 2000 , 14, 2495-502	0.9	188
126	Inflammation, But Not Telomere Length, Predicts Successful Ageing at Extreme Old Age: A Longitudinal Study of Semi-supercentenarians. <i>EBioMedicine</i> , 2015 , 2, 1549-58	8.8	178

125	Quantitative assessment of markers for cell senescence. <i>Experimental Gerontology</i> , 2010 , 45, 772-8	4.5	175
124	Mitochondria in Cell Senescence: Is Mitophagy the Weakest Link?. <i>EBioMedicine</i> , 2017 , 21, 7-13	8.8	162
123	MitoQ counteracts telomere shortening and elongates lifespan of fibroblasts under mild oxidative stress. <i>Aging Cell</i> , 2003 , 2, 141-3	9.9	161
122	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. <i>Cell Metabolism</i> , 2019 , 29, 1061-1077.e8	24.6	161
121	Stress, DNA damage and ageing -- an integrative approach. <i>Experimental Gerontology</i> , 2001 , 36, 1049-62	4.5	157
120	Telomere shortening triggers a p53-dependent cell cycle arrest via accumulation of G-rich single stranded DNA fragments. <i>Oncogene</i> , 1999 , 18, 5148-58	9.2	145
119	Protein oxidation and degradation during proliferative senescence of human MRC-5 fibroblasts. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 701-8	7.8	131
118	Low abundance of the matrix arm of complex I in mitochondria predicts longevity in mice. <i>Nature Communications</i> , 2014 , 5, 3837	17.4	128
117	Mitochondria, telomeres and cell senescence. <i>Experimental Gerontology</i> , 2005 , 40, 466-72	4.5	110
116	Reproducibility of telomere length assessment: an international collaborative study. <i>International Journal of Epidemiology</i> , 2015 , 44, 1673-83	7.8	109
115	Stochastic variation in telomere shortening rate causes heterogeneity of human fibroblast replicative life span. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17826-33	5.4	109
114	An important role for CDK2 in G1 to S checkpoint activation and DNA damage response in human embryonic stem cells. <i>Stem Cells</i> , 2011 , 29, 651-9	5.8	103
113	Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , 2010 , 2, 555-66	5.6	103
112	Nucleoplasmic LAP2alpha-lamin A complexes are required to maintain a proliferative state in human fibroblasts. <i>Journal of Cell Biology</i> , 2007 , 176, 163-72	7.3	102
111	Telomere shortening reduces regenerative capacity after acute kidney injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 327-36	12.7	99
110	The senescent bystander effect is caused by ROS-activated NF-B signalling. <i>Mechanisms of Ageing and Development</i> , 2018 , 170, 30-36	5.6	97
109	SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. <i>Autophagy</i> , 2016 , 12, 1917-1930	10.2	93
108	The bystander effect contributes to the accumulation of senescent cells in vivo. <i>Aging Cell</i> , 2019 , 18, e12848	9.9	92

107	Relocalized redox-active lysosomal iron is an important mediator of oxidative-stress-induced DNA damage. <i>Biochemical Journal</i> , 2004 , 378, 1039-45	3.8	91
106	Assessment of a large panel of candidate biomarkers of ageing in the Newcastle 85+ study. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 496-502	5.6	90
105	Mitochondrial dysfunction in osteoarthritis is associated with down-regulation of superoxide dismutase 2. <i>Arthritis and Rheumatism</i> , 2013 , 65, 378-87		89
104	Mitochondrial turnover in liver is fast in vivo and is accelerated by dietary restriction: application of a simple dynamic model. <i>Aging Cell</i> , 2008 , 7, 920-3	9.9	89
103	Senolytics and senostatics as adjuvant tumour therapy. <i>EBioMedicine</i> , 2019 , 41, 683-692	8.8	88
102	Ribozyme-mediated telomerase inhibition induces immediate cell loss but not telomere shortening in ovarian cancer cells. <i>Cancer Gene Therapy</i> , 2001 , 8, 827-34	5.4	88
101	Oxygen free radicals in cell senescence: are they signal transducers?. <i>Free Radical Research</i> , 2006 , 40, 1277-83	4	86
100	Architectural changes in the thymus of aging mice. <i>Aging Cell</i> , 2008 , 7, 158-67	9.9	84
99	Dynamic modelling of pathways to cellular senescence reveals strategies for targeted interventions. <i>PLoS Computational Biology</i> , 2014 , 10, e1003728	5	83
98	DNA damage foci in mitosis are devoid of 53BP1. <i>Cell Cycle</i> , 2009 , 8, 3379-83	4.7	79
97	No association between socio-economic status and white blood cell telomere length. <i>Aging Cell</i> , 2007 , 6, 125-8	9.9	74
96	Telomere length as a marker of oxidative stress in primary human fibroblast cultures. <i>Annals of the New York Academy of Sciences</i> , 2000 , 908, 327-30	6.5	72
95	CMV seropositivity and T-cell senescence predict increased cardiovascular mortality in octogenarians: results from the Newcastle 85+ study. <i>Aging Cell</i> , 2016 , 15, 389-92	9.9	71
94	Telomere length is associated with left ventricular function in the oldest old: the Newcastle 85+ study. <i>European Heart Journal</i> , 2007 , 28, 172-6	9.5	69
93	Conserved cysteine residues in the mammalian lamin A tail are essential for cellular responses to ROS generation. <i>Aging Cell</i> , 2011 , 10, 1067-79	9.9	67
92	Carboxylesterase converts Amplex red to resorufin: Implications for mitochondrial H ₂ O ₂ release assays. <i>Free Radical Biology and Medicine</i> , 2016 , 90, 173-83	7.8	62
91	Telomeres and replicative senescence: Is it only length that counts?. <i>Cancer Letters</i> , 2001 , 168, 111-6	9.9	62
90	BJ fibroblasts display high antioxidant capacity and slow telomere shortening independent of hTERT transfection. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 824-31	7.8	60

89	Persistent mTORC1 signaling in cell senescence results from defects in amino acid and growth factor sensing. <i>Journal of Cell Biology</i> , 2017 , 216, 1949-1957	7.3	58
88	Replicative senescence and the art of counting. <i>Experimental Gerontology</i> , 2003 , 38, 1259-64	4.5	57
87	The DNA Damage Response in Neurons: Die by Apoptosis or Survive in a Senescence-Like State?. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, S107-S131	4.3	56
86	Telomere length and aging biomarkers in 70-year-olds: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2012 , 33, 1486.e3-8	5.6	55
85	Mitochondria and ageing: winning and losing in the numbers game. <i>BioEssays</i> , 2007 , 29, 908-17	4.1	55
84	Science fact and the SENS agenda. What can we reasonably expect from ageing research?. <i>EMBO Reports</i> , 2005 , 6, 1006-8	6.5	54
83	Immortalisation of human ovarian surface epithelium with telomerase and temperature-sensitive SV40 large T antigen. <i>Experimental Cell Research</i> , 2003 , 288, 390-402	4.2	51
82	Senescence in Post-Mitotic Cells: A Driver of Aging?. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 308-323	8.4	50
81	Inflammation, telomere length, and grip strength: a 10-year longitudinal study. <i>Calcified Tissue International</i> , 2014 , 95, 54-63	3.9	47
80	Decreased mTOR signalling reduces mitochondrial ROS in brain via accumulation of the telomerase protein TERT within mitochondria. <i>Aging</i> , 2016 , 8, 2551-2567	5.6	47
79	Whole-body senescent cell clearance alleviates age-related brain inflammation and cognitive impairment in mice. <i>Aging Cell</i> , 2021 , 20, e13296	9.9	47
78	Sustained telomere length in hepatocytes and cholangiocytes with increasing age in normal liver. <i>Hepatology</i> , 2012 , 56, 1510-20	11.2	45
77	Accelerated telomere shortening in Fanconi anemia fibroblasts--a longitudinal study. <i>FEBS Letters</i> , 2001 , 506, 22-6	3.8	45
76	Rate of telomere shortening and cardiovascular damage: a longitudinal study in the 1946 British Birth Cohort. <i>European Heart Journal</i> , 2014 , 35, 3296-303	9.5	44
75	A stochastic step model of replicative senescence explains ROS production rate in ageing cell populations. <i>PLoS ONE</i> , 2012 , 7, e32117	3.7	43
74	Inflammation and not cardiovascular risk factors is associated with short leukocyte telomere length in 13- to 16-year-old adolescents. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2029-34	9.4	41
73	Premature senescence of mesothelial cells is associated with non-telomeric DNA damage. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 362, 707-11	3.4	41
72	TRF2 overexpression diminishes repair of telomeric single-strand breaks and accelerates telomere shortening in human fibroblasts. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 340-5	5.6	40

71	Male mice retain a metabolic memory of improved glucose tolerance induced during adult onset, short-term dietary restriction. <i>Longevity & Healthspan</i> , 2012 , 1, 3		39
70	Mitochondrial dysfunction is a possible cause of accelerated senescence of mesothelial cells exposed to high glucose. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 366, 793-9	3.4	38
69	Assessment of sleep and circadian rhythm disorders in the very old: the Newcastle 85+ Cohort Study. <i>Age and Ageing</i> , 2014 , 43, 57-63	3	37
68	Association of mitochondrial haplogroup J and mtDNA oxidative damage in two different North Spain elderly populations. <i>Biogerontology</i> , 2009 , 10, 435-42	4.5	37
67	hTERT gene dosage correlates with telomerase activity in human lung cancer cell lines. <i>Cancer Letters</i> , 2002 , 176, 81-91	9.9	37
66	Bioengineering the microanatomy of human skin. <i>Journal of Anatomy</i> , 2019 , 234, 438-455	2.9	36
65	Cellular senescence: unravelling complexity. <i>Age</i> , 2009 , 31, 353-63		36
64	Telomere shortening in human fibroblasts is not dependent on the size of the telomeric-3Roverhang. <i>Aging Cell</i> , 2004 , 3, 103-9	9.9	36
63	Longitudinal telomere length shortening and cognitive and physical decline in later life: The Lothian Birth Cohorts 1936 and 1921. <i>Mechanisms of Ageing and Development</i> , 2016 , 154, 43-8	5.6	34
62	Measuring DNA repair incision activity of mouse tissue extracts towards singlet oxygen-induced DNA damage: a comet-based in vitro repair assay. <i>Mutagenesis</i> , 2011 , 26, 461-71	2.8	33
61	Telomeres: influencing the rate of aging. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 318-27	6.5	32
60	Fast cryofixation technique for X-ray microanalysis. <i>Journal of Microscopy</i> , 1986 , 141, 79-90	1.9	32
59	Telomere length and physical performance at older ages: an individual participant meta-analysis. <i>PLoS ONE</i> , 2013 , 8, e69526	3.7	30
58	Frailty in mouse ageing: A conceptual approach. <i>Mechanisms of Ageing and Development</i> , 2016 , 160, 34-40	6.6	28
57	Atorvastatin induces T cell proliferation by a telomerase reverse transcriptase (TERT) mediated mechanism. <i>Atherosclerosis</i> , 2014 , 236, 312-20	3.1	28
56	Telomere shortening and haemodialysis. <i>Blood Purification</i> , 2006 , 24, 185-9	3.1	28
55	Neutrophils induce paracrine telomere dysfunction and senescence in ROS-dependent manner. <i>EMBO Journal</i> , 2021 , 40, e106048	13	26
54	Myocardial ischemia and reperfusion leads to transient CD8 immune deficiency and accelerated immunosenescence in CMV-seropositive patients. <i>Circulation Research</i> , 2015 , 116, 87-98	15.7	23

53	The intracellular distribution of ions and water in rat liver and heart muscle. <i>Journal of Microscopy</i> , 1987 , 146, 77-85	1.9	22
52	A mitochondrial membrane hypothesis of aging. <i>Journal of Theoretical Biology</i> , 1987 , 127, 127-32	2.3	22
51	Senescence and Inflammatory Markers for Predicting Clinical Progression in Parkinson's Disease: The ICICLE-PD Study. <i>Journal of Parkinson's Disease</i> , 2020 , 10, 193-206	5.3	22
50	Human fibroblasts in vitro senesce with a donor-specific telomere length. <i>FEBS Letters</i> , 2002 , 516, 71-4	3.8	21
49	Acquisition of aberrant DNA methylation is associated with frailty in the very old: findings from the Newcastle 85+ Study. <i>Biogerontology</i> , 2014 , 15, 317-28	4.5	20
48	Lysosomal redox-active iron is important for oxidative stress-induced DNA damage. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1019, 285-8	6.5	20
47	Grip strength and inflammatory biomarker profiles in very old adults. <i>Age and Ageing</i> , 2017 , 46, 976-982	3	19
46	The relationship between the aging- and photo-dependent T414G mitochondrial DNA mutation with cellular senescence and reactive oxygen species production in cultured skin fibroblasts. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 1361-6	4.3	19
45	The Ageing Brain: Effects on DNA Repair and DNA Methylation in Mice. <i>Genes</i> , 2017 , 8,	4.2	18
44	Mitochondrial dysfunction and cell senescence--skin deep into mammalian aging. <i>Aging</i> , 2012 , 4, 74-5	5.6	18
43	Childhood growth, IQ and education as predictors of white blood cell telomere length at age 49-51 years: the Newcastle Thousand Families Study. <i>PLoS ONE</i> , 2012 , 7, e40116	3.7	17
42	Anti-inflammatory treatment rescues memory deficits during aging in nfkb1 mice. <i>Aging Cell</i> , 2020 , 19, e13188	9.9	17
41	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019 , 6, 190420	3.3	16
40	The mTORC1-autophagy pathway is a target for senescent cell elimination. <i>Biogerontology</i> , 2019 , 20, 331-335	4.5	16
39	Standardization and quality controls for the methylated DNA immunoprecipitation technique. <i>Epigenetics</i> , 2012 , 7, 615-25	5.7	16
38	Measuring reactive oxygen species in senescent cells. <i>Methods in Molecular Biology</i> , 2013 , 965, 253-63	1.4	15
37	Gross energy metabolism in mice under late onset, short term caloric restriction. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 202-9	5.6	15
36	ssDNA fragments induce cell senescence by telomere uncapping. <i>Experimental Gerontology</i> , 2008 , 43, 892-9	4.5	15

35	Telomeres, cell senescence and human ageing. <i>Signal Transduction</i> , 2005 , 5, 103-114		14
34	Surprisingly long survival of premature conclusions about naked mole-rat biology. <i>Biological Reviews</i> , 2021 , 96, 376-393	13.5	14
33	Biomarkers of healthy ageing: expectations and validation. <i>Proceedings of the Nutrition Society</i> , 2014 , 73, 422-9	2.9	13
32	Tumour-cell apoptosis after cisplatin treatment is not telomere dependent. <i>International Journal of Cancer</i> , 2006 , 118, 2727-34	7.5	13
31	Sublethal whole-body irradiation causes progressive premature frailty in mice. <i>Mechanisms of Ageing and Development</i> , 2019 , 180, 63-69	5.6	11
30	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. <i>Biogerontology</i> , 2015 , 16, 423-34	4.5	11
29	Telomere length and anaemia in old age: results from the Newcastle 85-plus Study and the Leiden 85-plus Study. <i>Age and Ageing</i> , 2011 , 40, 494-500	3	11
28	The Role of Telomeres in Etoposide Induced Tumour Cell Death. <i>Cell Cycle</i> , 2004 , 3, 1167-1174	4.7	11
27	Estimation of organelle water fractions from frozen-dried cryosections. <i>Journal of Microscopy</i> , 1987 , 146, 67-75	1.9	11
26	Intracellular water and ionic shifts during growth and ageing of rats. <i>Mechanisms of Ageing and Development</i> , 1987 , 38, 179-87	5.6	11
25	Reactive oxygen species production and mitochondrial dysfunction in white blood cells are not valid biomarkers of ageing in the very old. <i>PLoS ONE</i> , 2014 , 9, e91005	3.7	11
24	Extended lifespan and long telomeres in rectal fibroblasts from late-onset ulcerative colitis patients. <i>European Journal of Gastroenterology and Hepatology</i> , 2006 , 18, 133-41	2.2	10
23	Tissue differences in BER-related incision activity and non-specific nuclease activity as measured by the comet assay. <i>Mutagenesis</i> , 2013 , 28, 673-81	2.8	9
22	The measurement of water distribution in frozen specimens. <i>Journal of Microscopy</i> , 1991 , 161, 149-58	1.9	9
21	X-ray microanalysis with continuous specimen cooling: is it necessary?. <i>Journal of Microscopy</i> , 1988 , 151, 43-7	1.9	9
20	Reproducibility of telomere length assessment: AuthorsRResponse to Damjan Krstajic and Ljubomir Buturovic. <i>International Journal of Epidemiology</i> , 2015 , 44, 1739-41	7.8	8
19	Is Southern blotting necessary to measure telomere length reproducibly? AuthorsRResponse to: Commentary: The reliability of telomere length measurements. <i>International Journal of Epidemiology</i> , 2015 , 44, 1686-7	7.8	7
18	How good is the evidence that cellular senescence causes skin ageing?. <i>Ageing Research Reviews</i> , 2021 , 71, 101456	12	7

17	Quantitative Röntgenmikroanalyse biologischer Ultradünnschnitte mit Aluminium-Kohle-Aufdampfschichten als Standards. <i>Acta Histochemica</i> , 1983 , 72, 195-201	2	6
16	Shared Ageing Research Models (ShARM): a new facility to support ageing research. <i>Biogerontology</i> , 2013 , 14, 789-94	4.5	5
15	Research on ageing in Germany. <i>Experimental Gerontology</i> , 2000 , 35, 259-70	4.5	5
14	Accelerated Aging in Bone Marrow Transplant Survivors. <i>JAMA Oncology</i> , 2016 , 2, 1267-1268	13.4	3
13	Correction of radiolabel pulse-chase data by a mathematical model: application to mitochondrial turnover studies. <i>Biochemical Society Transactions</i> , 2010 , 38, 1322-8	5.1	3
12	Metabolic memory of dietary restriction ameliorates DNA damage and adipocyte size in mouse visceral adipose tissue. <i>Experimental Gerontology</i> , 2018 , 113, 228-236	4.5	3
11	Data from molecular dynamics simulations in support of the role of human CES1 in the hydrolysis of Amplex Red. <i>Data in Brief</i> , 2016 , 6, 865-70	1.2	2
10	Ensuring the Validity of Results in Biological X-Ray Microanalysis. <i>Springer Series in Biophysics</i> , 1989 , 47-58		2
9	Immunosenescence profiles are not associated with muscle strength, physical performance and sarcopenia risk in very old adults: The Newcastle 85+ Study. <i>Mechanisms of Ageing and Development</i> , 2020 , 190, 111321	5.6	2
8	A life course approach to biomarkers of ageing 2013 , 177-186		1
7	DNA Damage and Telomere Length in Human T Cells. <i>Rejuvenation Research</i> , 2000 , 3, 383-388		1
6	Telomeres, Senescence, Oxidative Stress, and Heterogeneity 2008 , 43-56		1
5	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice		1
4	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice.. <i>ELife</i> , 2022 , 11,	8.9	1
3	Similar Gene Expression Patterns in Senescent and Hyperoxically Blocked Fibroblasts. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 482-482	6.5	
2	Telomeric Damage in Aging 2003 , 121-129		
1	Oxidative DNA Damage and Telomere Shortening 2007 , 100-108		