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List of Publications by Year
in descending order

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74 papers	13,796 citations	44069 48 h-index	85541 71 g-index
85 all docs	85 docs citations	85 times ranked	14069 citing authors

#	Article	IF	Citations
1	Cellular senescence: all roads lead to mitochondria. FEBS Journal, 2023, 290, 1186-1202.	4.7	79
2	Therapeutic Potential of Senolytics in Cardiovascular Disease. Cardiovascular Drugs and Therapy, 2022, 36, 187-196.	2.6	40
3	Senolytic drugs: Beyond the promise and the hype. Mechanisms of Ageing and Development, 2022, 202, 111631.	4.6	2
4	Telomere dysfunction in ageing and age-related diseases. Nature Cell Biology, 2022, 24, 135-147.	10.3	194
5	Targeted clearance of p21â€•but not p16â€positive senescent cells prevents radiationâ€induced osteoporosis and increased marrow adiposity. Aging Cell, 2022, 21, e13602.	6.7	40
6	Characterization of cellular senescence in aging skeletal muscle. Nature Aging, 2022, 2, 601-615.	11.6	61
7	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. Annual Review of Pharmacology and Toxicology, 2021, 61, 779-803.	9.4	151
8	Wholeâ€body senescent cell clearance alleviates ageâ€related brain inflammation and cognitive impairment in mice. Aging Cell, 2021, 20, e13296.	6.7	186
9	Neutrophils induce paracrine telomere dysfunction and senescence in ROSâ€dependent manner. EMBO Journal, 2021, 40, e106048.	7.8	101
10	Moderate Exercise Inhibits Age-Related Inflammation, Liver Steatosis, Senescence, and Tumorigenesis. Journal of Immunology, 2021, 206, 904-916.	0.8	20
11	Cytoplasmic DNA: sources, sensing, and role in aging and disease. Cell, 2021, 184, 5506-5526.	28.9	95
12	Antiâ€inflammatory treatment rescues memory deficits during aging in nfkb1^{â^'/â^'} mice. Aging Cell, 2020, 19, e13188.	6.7	38
13	Senolytics prevent mt-DNA-induced inflammation and promote the survival of aged organs following transplantation. Nature Communications, 2020, 11, 4289.	12.8	125
14	On the evolution of cellular senescence. Aging Cell, 2020, 19, e13270.	6.7	84
15	Telomeres: beacons of autocrine and paracrine DNA damage during skin aging. Cell Cycle, 2020, 19, 532-540.	2.6	8
16	Temporal inhibition of autophagy reveals segmental reversal of ageing with increased cancer risk. Nature Communications, 2020, 11, 307.	12.8	62
17	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. Genes and Development, 2020, 34, 428-445.	5.9	188
18	Targeted Reduction of Senescent Cell Burden Alleviates Focal Radiotherapyâ€Related Bone Loss. Journal of Bone and Mineral Research, 2020, 35, 1119-1131.	2.8	74

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19	Reducing Senescent Cell Burden in Aging and Disease. Trends in Molecular Medicine, 2020, 26, 630-638.	6.7	102
20	Clearance of senescent cells during cardiac ischemiaâ€“reperfusion injury improves recovery. Aging Cell, 2020, 19, e13249.	6.7	79
21	Accelerated osteocyte senescence and skeletal fragility in mice with type 2 diabetes. JCI Insight, 2020, 5, .	5.0	60
22	Mitochondria: Potential Targets for Interventions to Counteract Senescence. Healthy Ageing and Longevity, 2020, , 201-222.	0.2	0
23	Bone Marrow Adiposity in Models of Radiation- and Aging-Related Bone Loss Is Dependent on Cellular Senescence. Journal of Bone and Mineral Research, 2020, 37, 997-1011.	2.8	11
24	Expansion and Cell-Cycle Arrest: Common Denominators of Cellular Senescence. Trends in Biochemical Sciences, 2019, 44, 996-1008.	7.5	71
25	Cellular Senescence: Defining a Path Forward. Cell, 2019, 179, 813-827.	28.9	1,551
26	Senescent human melanocytes drive skin ageing via paracrine telomere dysfunction. EMBO Journal, 2019, 38, e101982.	7.8	136
27	Senolytics decrease senescent cells in humans: Preliminary report from a clinical trial of Dasatinib plus Quercetin in individuals with diabetic kidney disease. EBioMedicine, 2019, 47, 446-456.	6.1	697
28	Mitochondrial dysfunction and cell senescence: deciphering a complex relationship. FEBS Letters, 2019, 593, 1566-1579.	2.8	209
29	The innate immune sensor Toll-like receptor 2 controls the senescence-associated secretory phenotype. Science Advances, 2019, 5, eaaw0254.	10.3	93
30	Pharmacological clearance of senescent cells improves survival and recovery in aged mice following acute myocardial infarction. Aging Cell, 2019, 18, e12945.	6.7	156
31	Lengthâ€independent telomere damage drives postâ€mitotic cardiomyocyte senescence. EMBO Journal, 2019, 38, .	7.8	307
32	Reactive Oxygen Species Detection in Senescent Cells. Methods in Molecular Biology, 2019, 1896, 21-29.	0.9	36
33	Rapamycin improves healthspan but not inflammaging in nfl^ßb1^{â^'/â^'} mice. Aging Cell, 2019, 18, e12882.	6.7	59
34	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. Cell Metabolism, 2019, 29, 1061-1077.e8.	16.2	293
35	Mitochondria and cellular senescence: Implications for musculoskeletal ageing. Free Radical Biology and Medicine, 2019, 132, 3-10.	2.9	52
36	A Potent and Specific CD38 Inhibitor Ameliorates Age-Related Metabolic Dysfunction by Reversing Tissue NAD+ Decline. Cell Metabolism, 2018, 27, 1081-1095.e10.	16.2	238

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37	Stress, cell senescence and organismal ageing. Mechanisms of Ageing and Development, 2018, 170, 2-9.	4.6	234
38	Mechanisms driving the ageing heart. Experimental Gerontology, 2018, 109, 5-15.	2.8	41
39	Mitochondria, telomeres and cell senescence: Implications for lung ageing and disease. , 2018, 183, 34-49.		128
40	Mitochondrial inner membrane permeabilisation enables mt <scp>DNA</scp> release during apoptosis. EMBO Journal, 2018, 37, .	7.8	313
41	Targeting the SASP to combat ageing: Mitochondria as possible intracellular allies?. BioEssays, 2017, 39, 1600235.	2.5	59
42	Cellular senescence mediates fibrotic pulmonary disease. Nature Communications, 2017, 8, 14532.	12.8	1,008
43	Detecting senescence: a new method for an old pigment. Aging Cell, 2017, 16, 432-434.	6.7	30
44	Cellular senescence drives age-dependent hepatic steatosis. Nature Communications, 2017, 8, 15691.	12.8	673
45	Telomeres and Cell Senescence - Size Matters Not. EBioMedicine, 2017, 21, 14-20.	6.1	238
46	Depletion of mitochondria in mammalian cells through enforced mitophagy. Nature Protocols, 2017, 12, 183-194.	12.0	42
47	Mitochondria are required for proâ€ageing features of the senescent phenotype. EMBO Journal, 2016, 35, 724-742.	7.8	527
48	Demystifying the role of mitochondria in senescence. Molecular and Cellular Oncology, 2016, 3, e1162896.	0.7	4
49	Telomere Dysfunction and Senescence-associated Pathways in Bronchiectasis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 929-932.	5.6	34
50	Telomeres Shortening: A Mere Replicometer?. Healthy Ageing and Longevity, 2016, , 97-115.	0.2	0
51	DNA damage response at telomeres contributes to lung aging and chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1124-L1137.	2.9	128
52	Mitochondria: Are they causal players in cellular senescence?. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1373-1379.	1.0	125
53	Telomeres, oxidative stress and inflammatory factors: partners in cellular senescence?. Longevity & Healthspan, 2014, 3, 1.	6.7	150
54	Chronic inflammation induces telomere dysfunction and accelerates ageing in mice. Nature Communications, 2014, 5, 4172.	12.8	596

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55	Measuring Reactive Oxygen Species in Senescent Cells. Methods in Molecular Biology, 2013, 965, 253-263.	0.9	16
56	Robust Multiparametric Assessment of Cellular Senescence. Methods in Molecular Biology, 2013, 965, 409-419.	0.9	12
57	Cell Sorting of Young and Senescent Cells. Methods in Molecular Biology, 2013, 1048, 31-47.	0.9	12
58	A Stochastic Step Model of Replicative Senescence Explains ROS Production Rate in Ageing Cell Populations. PLoS ONE, 2012, 7, e32117.	2.5	50
59	Telomeres are favoured targets of a persistent DNA damage response in ageing and stress-induced senescence. Nature Communications, 2012, 3, 708.	12.8	693
60	Mitochondrial dysfunction and cell senescence â€" skin deep into mammalian aging. Aging, 2012, 4, 74-75.	3.1	22
61	Quantitative assessment of markers for cell senescence. Experimental Gerontology, 2010, 45, 772-778.	2.8	208
62	Feedback between p21 and reactive oxygen production is necessary for cell senescence. Molecular Systems Biology, 2010, 6, 347.	7.2	754
63	Cellular senescence: unravelling complexity. Age, 2009, 31, 353-363.	3.0	40
64	The Relationship between the Aging- and Photo-Dependent T414G Mitochondrial DNA Mutation with Cellular Senescence and Reactive Oxygen Species Production in Cultured Skin Fibroblasts. Journal of Investigative Dermatology, 2009, 129, 1361-1366.	0.7	24
65	Downregulation of Multiple Stress Defense Mechanisms During Differentiation of Human Embryonic Stem Cells. Stem Cells, 2008, 26, 455-464.	3.2	240
66	Mitochondrial dysfunction is a possible cause of accelerated senescence of mesothelial cells exposed to high glucose. Biochemical and Biophysical Research Communications, 2008, 366, 793-799.	2.1	41
67	Retrograde Response, Oxidative Stress, and Cellular Senescence. , 2008, , 39-52.		2
68	Telomerase does not counteract telomere shortening but protects mitochondrial function under oxidative stress. Journal of Cell Science, 2008, 121, 1046-1053.	2.0	399
69	Telomeres, Senescence, Oxidative Stress, and Heterogeneity. , 2008, , 43-56.		1
70	Mitochondrial Dysfunction Accounts for the Stochastic Heterogeneity in Telomere-Dependent Senescence. PLoS Biology, 2007, 5, e110.	5.6	612
71	DNA damage in telomeres and mitochondria during cellular senescence: is there a connection?. Nucleic Acids Research, 2007, 35, 7505-7513.	14.5	285
72	Premature senescence of mesothelial cells is associated with non-telomeric DNA damage. Biochemical and Biophysical Research Communications, 2007, 362, 707-711.	2.1	46

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73	Mitochondria and ageing: winning and losing in the numbers game. BioEssays, 2007, 29, 908-917.	2.5	58
74	Mitochondria, telomeres and cell senescence. Experimental Gerontology, 2005, 40, 466-472.	2.8	125