

Diana Jurk

List of Publications by Citations

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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.

46
papers

6,996
citations

34
h-index

55
g-index

55
ext. papers

9,286
ext. citations

12.4
avg, IF

5.46
L-index

#	Paper	IF	Citations
46	Senolytics improve physical function and increase lifespan in old age. <i>Nature Medicine</i> , 2018 , 24, 1246-1256	56.5	776
45	Cellular Senescence: Defining a Path Forward. <i>Cell</i> , 2019 , 179, 813-827	56.2	646
44	Telomeres are favoured targets of a persistent DNA damage response in ageing and stress-induced senescence. <i>Nature Communications</i> , 2012 , 3, 708	17.4	505
43	DNA damage response and cellular senescence in tissues of aging mice. <i>Aging Cell</i> , 2009 , 8, 311-23	9.9	472
42	Chronic inflammation induces telomere dysfunction and accelerates ageing in mice. <i>Nature Communications</i> , 2014 , 2, 4172	17.4	455
41	Cellular senescence drives age-dependent hepatic steatosis. <i>Nature Communications</i> , 2017 , 8, 15691	17.4	408
40	A senescent cell bystander effect: senescence-induced senescence. <i>Aging Cell</i> , 2012 , 11, 345-9	9.9	400
39	Chronic senolytic treatment alleviates established vasomotor dysfunction in aged or atherosclerotic mice. <i>Aging Cell</i> , 2016 , 15, 973-7	9.9	382
38	Mitochondria are required for pro-ageing features of the senescent phenotype. <i>EMBO Journal</i> , 2016 , 35, 724-42	13	357
37	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
36	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Aging Cell</i> , 2019 , 18, e12950	9.9	218
35	Quantitative assessment of markers for cell senescence. <i>Experimental Gerontology</i> , 2010 , 45, 772-8	4.5	175
34	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. <i>Cell Metabolism</i> , 2019 , 29, 1061-1077.e8	24.6	161
33	Length-independent telomere damage drives post-mitotic cardiomyocyte senescence. <i>EMBO Journal</i> , 2019 , 38,	13	159
32	Oxidative stress and life histories: unresolved issues and current needs. <i>Ecology and Evolution</i> , 2015 , 5, 5745-57	2.8	141
31	A Potent and Specific CD38 Inhibitor Ameliorates Age-Related Metabolic Dysfunction by Reversing Tissue NAD Decline. <i>Cell Metabolism</i> , 2018 , 27, 1081-1095.e10	24.6	135
30	Transplanted Senescent Cells Induce an Osteoarthritis-Like Condition in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 780-785	6.4	111

29	Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , 2010 , 2, 555-66	5.6	103
28	NFB1 is a suppressor of neutrophil-driven hepatocellular carcinoma. <i>Nature Communications</i> , 2015 , 6, 6818	17.4	96
27	DNA damage response at telomeres contributes to lung aging and chronic obstructive pulmonary disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L1124-37	5.8	93
26	SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. <i>Autophagy</i> , 2016 , 12, 1917-1930	10.2	93
25	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. <i>Nature Communications</i> , 2018 , 9, 256	17.4	90
24	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. <i>Genes and Development</i> , 2020 , 34, 428-445	12.6	83
23	Senescent human melanocytes drive skin ageing via paracrine telomere dysfunction. <i>EMBO Journal</i> , 2019 , 38, e101982	13	69
22	17Estradiol 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	6.4	61
21	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
20	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. <i>Annual Review of Pharmacology and Toxicology</i> , 2021 , 61, 779-803	17.9	52
19	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
18	Sustained telomere length in hepatocytes and cholangiocytes with increasing age in normal liver. <i>Hepatology</i> , 2012 , 56, 1510-20	11.2	45
17	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
16	Expansion and Cell-Cycle Arrest: Common Denominators of Cellular Senescence. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 996-1008	10.3	41
15	Rapamycin improves healthspan but not inflammaging in nfb1 mice. <i>Aging Cell</i> , 2019 , 18, e12882	9.9	38
14	Temporal inhibition of autophagy reveals segmental reversal of ageing with increased cancer risk. <i>Nature Communications</i> , 2020 , 11, 307	17.4	36
13	Neutrophils induce paracrine telomere dysfunction and senescence in ROS-dependent manner. <i>EMBO Journal</i> , 2021 , 40, e106048	13	26
12	Anti-inflammatory treatment rescues memory deficits during aging in nfkb1 mice. <i>Aging Cell</i> , 2020 , 19, e13188	9.9	17

11	Telomere dysfunction in ageing and age-related diseases.. <i>Nature Cell Biology</i> , 2022 , 24, 135-147	23.4	12
10	Robust multiparametric assessment of cellular senescence. <i>Methods in Molecular Biology</i> , 2013 , 965, 409-19	1.4	9
9	Amelioration of age-related brain function decline by Bruton's tyrosine kinase inhibition. <i>Aging Cell</i> , 2020 , 19, e13079	9.9	8
8	Senescence explains age- and obesity-related liver steatosis. <i>Cell Stress</i> , 2017 , 1, 70-72	5.5	7
7	Moderate Exercise Inhibits Age-Related Inflammation, Liver Steatosis, Senescence, and Tumorigenesis. <i>Journal of Immunology</i> , 2021 , 206, 904-916	5.3	6
6	Telmisartan prevents high-fat diet-induced neurovascular impairments and reduces anxiety-like behavior. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2356-2369	7.3	4
5	Length-independent telomere damage drives cardiomyocyte senescence		1
4	Orally-active, clinically-translatable senolytics restore p16 ^{INK4a} in mice and humans.. <i>EBioMedicine</i> , 2022 , 103912	8.8	1
3	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice		1
2	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice.. <i>ELife</i> , 2022 , 11,	8.9	1
1	Cellular senescence during aging and chronic liver diseases 2022 , 155-178		