

# Diana Jurk

## List of Publications by Year in Descending Order

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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	Cellular senescence during aging and chronic liver diseases <b>2022</b> , 155-178		
45	Telomere dysfunction in ageing and age-related diseases.. <i>Nature Cell Biology</i> , <b>2022</b> , 24, 135-147	23.4	12
44	Orally-active, clinically-translatable senolytics restore $\beta$ Klotho in mice and humans.. <i>EBioMedicine</i> , <b>2022</b> , 103912	8.8	1
43	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice.. <i>ELife</i> , <b>2022</b> , 11,	8.9	1
42	Neutrophils induce paracrine telomere dysfunction and senescence in ROS-dependent manner. <i>EMBO Journal</i> , <b>2021</b> , 40, e106048	13	26
41	Telmisartan prevents high-fat diet-induced neurovascular impairments and reduces anxiety-like behavior. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 41, 2356-2369	7.3	4
40	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2021</b> , 61, 779-803	17.9	52
39	Whole-body senescent cell clearance alleviates age-related brain inflammation and cognitive impairment in mice. <i>Aging Cell</i> , <b>2021</b> , 20, e13296	9.9	47
38	Moderate Exercise Inhibits Age-Related Inflammation, Liver Steatosis, Senescence, and Tumorigenesis. <i>Journal of Immunology</i> , <b>2021</b> , 206, 904-916	5.3	6
37	Temporal inhibition of autophagy reveals segmental reversal of ageing with increased cancer risk. <i>Nature Communications</i> , <b>2020</b> , 11, 307	17.4	36
36	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. <i>Genes and Development</i> , <b>2020</b> , 34, 428-445	12.6	83
35	Amelioration of age-related brain function decline by Bruton's tyrosine kinase inhibition. <i>Aging Cell</i> , <b>2020</b> , 19, e13079	9.9	8
34	Anti-inflammatory treatment rescues memory deficits during aging in nfkb1 mice. <i>Aging Cell</i> , <b>2020</b> , 19, e13188	9.9	17
33	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Aging Cell</i> , <b>2019</b> , 18, e12950	9.9	218
32	Length-independent telomere damage drives post-mitotic cardiomyocyte senescence. <i>EMBO Journal</i> , <b>2019</b> , 38,	13	159
31	Expansion and Cell-Cycle Arrest: Common Denominators of Cellular Senescence. <i>Trends in Biochemical Sciences</i> , <b>2019</b> , 44, 996-1008	10.3	41
30	Cellular Senescence: Defining a Path Forward. <i>Cell</i> , <b>2019</b> , 179, 813-827	56.2	646

29	Senescent human melanocytes drive skin ageing via paracrine telomere dysfunction. <i>EMBO Journal</i> , <b>2019</b> , 38, e101982	13	69
28	Rapamycin improves healthspan but not inflammaging in nrf1 mice. <i>Aging Cell</i> , <b>2019</b> , 18, e12882	9.9	38
27	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. <i>Cell Metabolism</i> , <b>2019</b> , 29, 1061-1077.e8	24.6	161
26	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. <i>Nature Communications</i> , <b>2018</b> , 9, 256	17.4	90
25	A Potent and Specific CD38 Inhibitor Ameliorates Age-Related Metabolic Dysfunction by Reversing Tissue NAD Decline. <i>Cell Metabolism</i> , <b>2018</b> , 27, 1081-1095.e10	24.6	135
24	Senolytics improve physical function and increase lifespan in old age. <i>Nature Medicine</i> , <b>2018</b> , 24, 1246-1256	56.5	776
23	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> , <b>2017</b> , 72, 3-15	6.4	61
22	The DNA Damage Response in Neurons: Die by Apoptosis or Survive in a Senescence-Like State?. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 60, S107-S131	4.3	56
21	Cellular senescence drives age-dependent hepatic steatosis. <i>Nature Communications</i> , <b>2017</b> , 8, 15691	17.4	408
20	Senescence explains age- and obesity-related liver steatosis. <i>Cell Stress</i> , <b>2017</b> , 1, 70-72	5.5	7
19	Transplanted Senescent Cells Induce an Osteoarthritis-Like Condition in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2017</b> , 72, 780-785	6.4	111
18	SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. <i>Autophagy</i> , <b>2016</b> , 12, 1917-1930	10.2	93
17	Mitochondria are required for pro-ageing features of the senescent phenotype. <i>EMBO Journal</i> , <b>2016</b> , 35, 724-42	13	357
16	Chronic senolytic treatment alleviates established vasomotor dysfunction in aged or atherosclerotic mice. <i>Aging Cell</i> , <b>2016</b> , 15, 973-7	9.9	382
15	NFB1 is a suppressor of neutrophil-driven hepatocellular carcinoma. <i>Nature Communications</i> , <b>2015</b> , 6, 6818	17.4	96
14	Oxidative stress and life histories: unresolved issues and current needs. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 5745-57	2.8	141
13	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> , <b>2015</b> , 309, L1124-37	5.8	93
12	Chronic inflammation induces telomere dysfunction and accelerates ageing in mice. <i>Nature Communications</i> , <b>2014</b> , 2, 4172	17.4	455

11	Robust multiparametric assessment of cellular senescence. <i>Methods in Molecular Biology</i> , <b>2013</b> , 965, 409-19	1.4	9
10	Postmitotic neurons develop a p21-dependent senescence-like phenotype driven by a DNA damage response. <i>Aging Cell</i> , <b>2012</b> , 11, 996-1004	9.9	299
9	A senescent cell bystander effect: senescence-induced senescence. <i>Aging Cell</i> , <b>2012</b> , 11, 345-9	9.9	400
8	Sustained telomere length in hepatocytes and cholangiocytes with increasing age in normal liver. <i>Hepatology</i> , <b>2012</b> , 56, 1510-20	11.2	45
7	A stochastic step model of replicative senescence explains ROS production rate in ageing cell populations. <i>PLoS ONE</i> , <b>2012</b> , 7, e32117	3.7	43
6	Telomeres are favoured targets of a persistent DNA damage response in ageing and stress-induced senescence. <i>Nature Communications</i> , <b>2012</b> , 3, 708	17.4	505
5	Quantitative assessment of markers for cell senescence. <i>Experimental Gerontology</i> , <b>2010</b> , 45, 772-8	4.5	175
4	Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , <b>2010</b> , 2, 555-66	5.6	103
3	DNA damage response and cellular senescence in tissues of aging mice. <i>Aging Cell</i> , <b>2009</b> , 8, 311-23	9.9	472
2	Length-independent telomere damage drives cardiomyocyte senescence		1
1	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice		1