

# Marco Demaria

## 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.

81

papers

9,267

citations

38

h-index

90

g-index

90

ext. papers

12,663

ext. citations

11

avg, IF

6.55

L-index

#	Paper	IF	Citations
81	An essential role for senescent cells in optimal wound healing through secretion of PDGF-AA. <i>Developmental Cell</i> , <b>2014</b> , 31, 722-33	10.2	914
80	Clearance of senescent cells by ABT263 rejuvenates aged hematopoietic stem cells in mice. <i>Nature Medicine</i> , <b>2016</b> , 22, 78-83	50.5	883
79	Hallmarks of Cellular Senescence. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 436-453	18.3	697
78	Cellular Senescence: Defining a Path Forward. <i>Cell</i> , <b>2019</b> , 179, 813-827	56.2	646
77	Local clearance of senescent cells attenuates the development of post-traumatic osteoarthritis and creates a pro-regenerative environment. <i>Nature Medicine</i> , <b>2017</b> , 23, 775-781	50.5	642
76	MTOR regulates the pro-tumorigenic senescence-associated secretory phenotype by promoting IL1A translation. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 1049-61	23.4	594
75	Cellular Senescence Promotes Adverse Effects of Chemotherapy and Cancer Relapse. <i>Cancer Discovery</i> , <b>2017</b> , 7, 165-176	24.4	537
74	Lamin B1 loss is a senescence-associated biomarker. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 2066-75	3.5	480
73	The DNA damage response induces inflammation and senescence by inhibiting autophagy of GATA4. <i>Science</i> , <b>2015</b> , 349, aaa5612	33.3	478
72	Unmasking Transcriptional Heterogeneity in Senescent Cells. <i>Current Biology</i> , <b>2017</b> , 27, 2652-2660.e4	6.3	296
71	Cellular Senescence: Aging, Cancer, and Injury. <i>Physiological Reviews</i> , <b>2019</b> , 99, 1047-1078	47.9	245
70	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Aging Cell</i> , <b>2019</b> , 18, e129509	9.9	218
69	Cellular Senescence Is Induced by the Environmental Neurotoxin Paraquat and Contributes to Neuropathology Linked to Parkinson's Disease. <i>Cell Reports</i> , <b>2018</b> , 22, 930-940	10.6	209
68	A STAT3-mediated metabolic switch is involved in tumour transformation and STAT3 addiction. <i>Aging</i> , <b>2010</b> , 2, 823-42	5.6	188
67	Cellular senescence and the aging brain. <i>Experimental Gerontology</i> , <b>2015</b> , 68, 3-7	4.5	166
66	Glucocorticoids suppress selected components of the senescence-associated secretory phenotype. <i>Aging Cell</i> , <b>2012</b> , 11, 569-78	9.9	140
65	Constitutively active Stat3 enhances neu-mediated migration and metastasis in mammary tumors via upregulation of Cten. <i>Cancer Research</i> , <b>2010</b> , 70, 2558-67	10.1	116

64	Therapeutic interventions for aging: the case of cellular senescence. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 786-795	8.8	113
63	Environmental stress, ageing and glial cell senescence: a novel mechanistic link to Parkinson's disease?. <i>Journal of Internal Medicine</i> , <b>2013</b> , 273, 429-36	10.8	102
62	Senescent Cells in Cancer Therapy: Friends or Foes?. <i>Trends in Cancer</i> , <b>2020</b> , 6, 838-857	12.5	89
61	Senescent cells and their secretory phenotype as targets for cancer therapy. <i>Interdisciplinary Topics in Gerontology</i> , <b>2013</b> , 38, 17-27		83
60	PKM2, STAT3 and HIF-1 $\alpha$ —The Warburg's vicious circle. <i>Jak-stat</i> , <b>2012</b> , 1, 194-6		72
59	Cell Autonomous and Non-Autonomous Effects of Senescent Cells in the Skin. <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 1722-1726	4.3	70
58	Of flies, mice, and men: evolutionarily conserved tissue damage responses and aging. <i>Developmental Cell</i> , <b>2015</b> , 32, 9-18	10.2	66
57	Systemic clearance of p16 <sup>+</sup> positive senescent cells mitigates age-associated intervertebral disc degeneration. <i>Aging Cell</i> , <b>2019</b> , 18, e12927	9.9	62
56	A Senescence-Centric View of Aging: Implications for Longevity and Disease. <i>Trends in Cell Biology</i> , <b>2020</b> , 30, 777-791	18.3	60
55	Regulation of Survival Networks in Senescent Cells: From Mechanisms to Interventions. <i>Journal of Molecular Biology</i> , <b>2019</b> , 431, 2629-2643	6.5	59
54	Mitochondrial DNA damage induces apoptosis in senescent cells. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e727	9.8	57
53	Effects of negative pressure wound therapy on healing of open wounds in dogs. <i>Veterinary Surgery</i> , <b>2011</b> , 40, 658-69	1.7	57
52	Simvastatin suppresses breast cancer cell proliferation induced by senescent cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 17895	4.9	56
51	SILAC Analysis Reveals Increased Secretion of Hemostasis-Related Factors by Senescent Cells. <i>Cell Reports</i> , <b>2019</b> , 28, 3329-3337.e5	10.6	51
50	STAT3 can serve as a hit in the process of malignant transformation of primary cells. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 1390-7	12.7	51
49	STAT3 and metabolism: how many ways to use a single molecule?. <i>International Journal of Cancer</i> , <b>2014</b> , 135, 1997-2003	7.5	49
48	Cellular senescence and tumor promotion: Is aging the key?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2016</b> , 1865, 155-67	11.2	48
47	Caloric restriction and cellular senescence. <i>Mechanisms of Ageing and Development</i> , <b>2018</b> , 176, 19-23	5.6	48

46	Pleiotropic age-dependent effects of mitochondrial dysfunction on epidermal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 10407-12	11.5	46
45	Hypoxia-inducible factor-1 and neuroglobin expression. <i>Neuroscience Letters</i> , <b>2012</b> , 514, 137-40	3.3	43
44	Targeting Senescent Cells: Possible Implications for Delaying Skin Aging: A Mini-Review. <i>Gerontology</i> , <b>2016</b> , 62, 513-8	5.5	40
43	Cellular senescence as a potential mediator of COVID-19 severity in the elderly. <i>Aging Cell</i> , <b>2020</b> , 19, e13237	9.9	38
42	Cellular Senescence Promotes Skin Carcinogenesis through p38MAPK and p44/42MAPK Signaling. <i>Cancer Research</i> , <b>2020</b> , 80, 3606-3619	10.1	30
41	The effects of graded caloric restriction: XII. Comparison of mouse to human impact on cellular senescence in the colon. <i>Aging Cell</i> , <b>2018</b> , 17, e12746	9.9	30
40	STAT3 Activities and Energy Metabolism: Dangerous Liaisons. <i>Cancers</i> , <b>2014</b> , 6, 1579-96	6.6	27
39	p53 and rapamycin are additive. <i>Oncotarget</i> , <b>2015</b> , 6, 15802-13	3.3	24
38	Cellular senescence impairs the reversibility of pulmonary arterial hypertension. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	24
37	Restored immune cell functions upon clearance of senescence in the irradiated splenic environment. <i>Aging Cell</i> , <b>2019</b> , 18, e12971	9.9	23
36	Algorithmic assessment of cellular senescence in experimental and clinical specimens. <i>Nature Protocols</i> , <b>2021</b> , 16, 2471-2498	18.8	23
35	Cellular Senescence and the Senescence-Associated Secretory Phenotype as Drivers of Skin Photoaging. <i>Journal of Investigative Dermatology</i> , <b>2021</b> , 141, 1119-1126	4.3	21
34	Identification of stable senescence-associated reference genes. <i>Aging Cell</i> , <b>2019</b> , 18, e12911	9.9	20
33	Cellular senescence contributes to radiation-induced hyposalivation by affecting the stem/progenitor cell niche. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 854	9.8	18
32	Oxylipin biosynthesis reinforces cellular senescence and allows detection of senolysis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1124-1136.e5	24.6	17
31	Link between increased cellular senescence and extracellular matrix changes in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 319, L48-L60	5.8	15
30	The struggle of a good friend getting old: cellular senescence in viral responses and therapy. <i>EMBO Reports</i> , <b>2021</b> , 22, e52243	6.5	15
29	Physiological hypoxia restrains the senescence-associated secretory phenotype via AMPK-mediated mTOR suppression. <i>Molecular Cell</i> , <b>2021</b> , 81, 2041-2052.e6	17.6	14

28	Senescent cells: New target for an old treatment?. <i>Molecular and Cellular Oncology</i> , <b>2017</b> , 4, e1299666	1.2	11
27	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , <b>2020</b> , 12, 24484-24503	5.6	11
26	Induction and Validation of Cellular Senescence in Primary Human Cells. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	9
25	A mouse model for spatial and temporal expression of HGF in the heart. <i>Transgenic Research</i> , <b>2011</b> , 20, 1203-16	3.3	8
24	Prolonged hypoxia delays aging and preserves functionality of human amniotic fluid stem cells. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 191, 111328	5.6	7
23	A novel suicide gene therapy for the treatment of p16-overexpressing tumors. <i>Oncotarget</i> , <b>2018</b> , 9, 7274-72816	4.3	5
22	The role of cellular senescence in female reproductive aging and the potential for senotherapeutic interventions.. <i>Human Reproduction Update</i> , <b>2021</b> ,	15.8	6
21	A recurrent chromosomal inversion suffices for driving escape from oncogene-induced senescence via subTAD reorganization. <i>Molecular Cell</i> , <b>2021</b> , 81, 4907-4923.e8	17.6	6
20	Biological functions of therapy-induced senescence in cancer. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,	12.7	6
19	To breathe or not to breathe: Understanding how oxygen sensing contributes to age-related phenotypes. <i>Ageing Research Reviews</i> , <b>2021</b> , 67, 101267	12	6
18	Early ageing after cytotoxic treatment for testicular cancer and cellular senescence: Time to act. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 151, 102963	7	5
17	Matters of life and breath: A role for hypoxia in determining cell state. <i>Aging</i> , <b>2012</b> , 4, 523-4	5.6	5
16	Unravelling Heterogeneity of Amplified Human Amniotic Fluid Stem Cells Sub-Populations. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
15	High dietary protein and fat contents exacerbate hepatic senescence and SASP in mice.. <i>FEBS Journal</i> , <b>2021</b> ,	5.7	3
14	Pharmacological CDK4/6 inhibition reveals a p53-dependent senescent state with restricted toxicity.. <i>EMBO Journal</i> , <b>2022</b> , e108946	13	2
13	Identification of distinct and age-dependent p16 microglia subtypes. <i>Aging Cell</i> , <b>2021</b> , 20, e13450	9.9	2
12	Enhanced extrinsic apoptosis of therapy-induced senescent cancer cells using a death receptor 5 (DR5) selective agonist. <i>Cancer Letters</i> , <b>2022</b> , 525, 67-75	9.9	2
11	Genomic instability is an early event driving chromatin reorganization and escape from oncogene-induced senescence		2

10	Hepatic stellate cell senescence in liver fibrosis: Characteristics, mechanisms and perspectives. <i>Mechanisms of Ageing and Development</i> , <b>2021</b> , 199, 111572	5.6	2
9	Consequences of senotherapies for tissue repair and reprogramming. <i>Translational Medicine of Aging</i> , <b>2019</b> , 3, 31-36	2.7	1
8	From tissue invasion to glucose metabolism: the many aspects of signal transducer and activator of transcription 3 pro-oncogenic activities. <i>Hormone Molecular Biology and Clinical Investigation</i> , <b>2012</b> , 10, 217-25	1.3	1
7	Cellular Senescence and Tumor Promotion <b>2020</b> , 55-69		1
6	Pharmacological CDK4/6 inhibition unravels a p53-induced secretory phenotype in senescent cells		1
5	The Quest to Define and Target Cellular Senescence in Cancer.. <i>Cancer Research</i> , <b>2021</b> , 81, 6087-6089	10.1	1
4	Cellular senescence. <i>Current Biology</i> , <b>2022</b> , 32, R448-R452	6.3	0
3	Cellular Senescence and Tumor Promotion <b>2018</b> , 1-15		
2	A novel transcriptomic-based classifier for senescent cancer cells. <i>Trends in Cancer</i> , <b>2021</b> , 7, 971-973	12.5	
1	Molecular mechanisms of cellular senescence <b>2022</b> , 221-230		