Gerardo Ferbeyre

List of Publications by Year in Descending Order

109 papers	6,908 citations	41 h-index	82 g-index
125 ext. papers	8,225 ext. citations	9.2 avg, IF	5.73 L-index

#	Paper	IF	Citations
109	Characterization of the impact of the gene and rs3809849 on asparaginase sensitivity and cellular functions.. *Pharmacogenomics*, **2022**, 23, 415-430	2.6	
108	Cellular senescence limits translational readthrough. *Biology Open*, **2021**, 10,	2.2	1
107	The role of cellular senescence in cardiac disease: basic biology and clinical relevance. *Nature Reviews Cardiology*, **2021**,	14.8	9
106	Phenylethynylbenzyl-modified biguanides inhibit pancreatic cancer tumor growth. *Scientific Reports* , **2021**, 11, 9854	4.9	1
105	New Insights into CDK Regulators: Novel Opportunities for Cancer Therapy. *Trends in Cell Biology*, **2021**, 31, 331-344	18.3	7
104	Osteoclasts protect bone blood vessels against senescence through the angiogenin/plexin-B2 axis. *Nature Communications*, **2021**, 12, 1832	17.4	11
103	A hydride transfer complex reprograms NAD metabolism and bypasses senescence. *Molecular Cell*, **2021**, 81, 3848-3865.e19	17.6	6
102	The race for a coronavirus vaccine. *Revista Bionatura*, **2020**, 5, 1290-1292	0.3	1
101	Senolytics Target Senescent Cells and Improve Aging and Age-Related Diseases. *Healthy Ageing and Longevity*, **2020**, 63-84	0.5	
100	Senescence: A program in the road to cell elimination and cancer. *Seminars in Cancer Biology*, **2020**,	12.7	6
99	STAT3 and STAT5 Activation in Solid Cancers. *Cancers*, **2019**, 11,	6.6	36
98	Ribosomal Proteins Control Tumor Suppressor Pathways in Response to Nucleolar Stress. *BioEssays* , **2019**, 41, e1800183	4.1	17
97	Phosphorylation of SOCS1 Inhibits the SOCS1-p53 Tumor Suppressor Axis. *Cancer Research*, **2019**, 79, 3306-3319	10.1	13
96	Ribosomal protein RPL22/eL22 regulates the cell cycle by acting as an inhibitor of the CDK4-cyclin D complex. *Cell Cycle*, **2019**, 18, 759-770	4.7	11
95	The senescence-associated secretory phenotype and its regulation. *Cytokine*, **2019**, 117, 15-22	4	128
94	The Inability of the Choroid to Revascularize in Oxygen-Induced Retinopathy Results from Increased p53/miR-Let-7b Activity. *American Journal of Pathology*, **2019**, 189, 2340-2356	5.8	6
93	NFE2L3 Controls Colon Cancer Cell Growth through Regulation of DUX4, a CDK1 Inhibitor. *Cell Reports*, **2019**, 29, 1469-1481.e9	10.6	30

92	Cellular Senescence: Defining a Path Forward. *Cell*, **2019**, 179, 813-827	56.2	646
91	Knockdown of angiopoietin-like 2 induces clearance of vascular endothelial senescent cells by apoptosis, promotes endothelial repair and slows atherogenesis in mice. *Aging*, **2019**, 11, 3832-3850	5.6	14
90	SOCS1: phosphorylation, dimerization and tumor suppression. *Oncoscience*, **2019**, 6, 386-389	0.8	4
89	Circumventing senescence is associated with stem cell properties and metformin sensitivity. *Aging Cell*, **2019**, 18, e12889	9.9	15
88	Membrane permeabilization and perturbation induced by alkyl- biguanidium salts. *Supramolecular Chemistry*, **2019**, 31, 127-139	1.8	1
87	Aberrant signaling and senescence associated protein degradation. *Experimental Gerontology*, **2018**, 107, 50-54	4.5	10
86	Cellular senescence, geroscience, cancer and beyond. *Aging*, **2018**, 10, 2233-2242	5.6	5
85	The sequence features that define efficient and specific hAGO2-dependent miRNA silencing guides. *Nucleic Acids Research*, **2018**, 46, 8181-8196	20.1	3
84	Molecular tools that block maturation of the nuclear lamin A and decelerate cancer cell migration. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 5547-5554	3.4	8
83	Translational and HIF-1Dependent Metabolic Reprogramming Underpin Metabolic Plasticity and Responses to Kinase Inhibitors and Biguanides. *Cell Metabolism*, **2018**, 28, 817-832.e8	24.6	42
82	Quantitative SUMO proteomics reveals the modulation of several PML nuclear body associated proteins and an anti-senescence function of UBC9. *Scientific Reports*, **2018**, 8, 7754	4.9	20
81	Senescence-associated ribosome biogenesis defects contributes to cell cycle arrest through the Rb pathway. *Nature Cell Biology*, **2018**, 20, 789-799	23.4	49
80	Senescence gives insights into the morphogenetic evolution of anamniotes. *Biology Open*, **2017**, 6, 891-896	2.2	25
79	SOCS1 regulates senescence and ferroptosis by modulating the expression of p53 target genes. *Aging*, **2017**, 9, 2137-2162	5.6	42
78	Expression of SOCS1 and the downstream targets of its putative tumor suppressor functions in prostate cancer. *BMC Cancer*, **2017**, 17, 157	4.8	9
77	SOCS1 inhibits migration and invasion of prostate cancer cells, attenuates tumor growth and modulates the tumor stroma. *Prostate Cancer and Prostatic Diseases*, **2017**, 20, 36-47	6.2	9
76	CDK4-CDK6 inhibitors induce autophagy-mediated degradation of DNMT1 and facilitate the senescence antitumor response. *Autophagy*, **2016**, 12, 1965-1966	10.2	13
75	STAT5A is regulated by DNA damage via the tumor suppressor p53. *Cytokine*, **2016**, 82, 70-9	4	9

74	Sponges against miR-19 and miR-155 reactivate the p53-Socs1 axis in hematopoietic cancers. *Cytokine*, **2016**, 82, 80-6	4	22
73	The Role of HMGB1 in Radioresistance of Bladder Cancer. *Molecular Cancer Therapeutics*, **2016**, 15, 471-9	6.1	47
72	Deficiency of Interleukin-15 Confers Resistance to Obesity by Diminishing Inflammation and Enhancing the Thermogenic Function of Adipose Tissues. *PLoS ONE*, **2016**, 11, e0162995	3.7	19
71	Genome reprogramming in cells that escape from senescence. *Revista Bionatura*, **2016**, 1, 54-61	0.3	3
70	Permanent farnesylation of lamin A mutants linked to progeria impairs its phosphorylation at serine 22 during interphase. *Aging*, **2016**, 8, 366-81	5.6	13
69	A CDK4/6-Dependent Epigenetic Mechanism Protects Cancer Cells from PML-induced Senescence. *Cancer Research*, **2016**, 76, 3252-64	10.1	38
68	Structural and functional characterization of the phosphorylation-dependent interaction between PML and SUMO1. *Structure*, **2015**, 23, 126-138	5.2	41
67	Tumour-promoting role of SOCS1 in colorectal cancer cells. *Scientific Reports*, **2015**, 5, 14301	4.9	19
66	Mutant lamin A links prophase to a p53 independent senescence program. *Cell Cycle*, **2015**, 14, 2408-21	4.7	13
65	Oncogene-Induced Senescence: Role of Mitochondrial Dysfunction **2014**, 45-52		1
64	ERKs in cancer: friends or foes?. *Cancer Research*, **2014**, 74, 412-9	10.1	155
63	Complete senescence: RB and PML share the task. *Cell Cycle*, **2014**, 13, 696	4.7	12
62	Cellular senescence and protein degradation: breaking down cancer. *Cell Cycle*, **2014**, 13, 1840-58	4.7	35
61	CHES1/FOXN3 regulates cell proliferation by repressing PIM2 and protein biosynthesis. *Molecular Biology of the Cell*, **2014**, 25, 554-65	3.5	21
60	Metformin inhibits the senescence-associated secretory phenotype by interfering with IKK/NF-B activation. *Aging Cell*, **2013**, 12, 489-98	9.9	289
59	Tumor suppressor activity of the ERK/MAPK pathway by promoting selective protein degradation. *Genes and Development*, **2013**, 27, 900-15	12.6	128
58	The 5TUTR of HIV-1 full-length mRNA and the Tat viral protein modulate the programmed -1 ribosomal frameshift that generates HIV-1 enzymes. *Rna*, **2012**, 18, 519-29	5.8	26
57	Metformin reduces endogenous reactive oxygen species and associated DNA damage. *Cancer Prevention Research*, **2012**, 5, 536-43	3.2	224

56	Histone deacetylase inhibitors globally enhance h3/h4 tail acetylation without affecting h3 lysine 56 acetylation. *Scientific Reports*, **2012**, 2, 220	4.9	59
55	SOCS1 controls liver regeneration by regulating HGF signaling in hepatocytes. *Journal of Hepatology*, **2011**, 55, 1300-8	13.4	42
54	Retinoblastoma-independent regulation of cell proliferation and senescence by the p53-p21 axis in lamin A /C-depleted cells. *Aging Cell*, **2011**, 10, 789-97	9.9	24
53	ARF1 controls proliferation of breast cancer cells by regulating the retinoblastoma protein. *Oncogene*, **2011**, 30, 3846-61	9.2	40
52	The role of Stat5 transcription factors as tumor suppressors or oncogenes. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2011**, 1815, 104-14	11.2	70
51	The activity of the HIV-1 IRES is stimulated by oxidative stress and controlled by a negative regulatory element. *Nucleic Acids Research*, **2011**, 39, 902-12	20.1	51
50	Regulation of E2Fs and senescence by PML nuclear bodies. *Genes and Development*, **2011**, 25, 41-50	12.6	117
49	Identification of hammerhead ribozymes in all domains of life reveals novel structural variations. *PLoS Computational Biology*, **2011**, 7, e1002031	5	104
48	Transcriptome analysis and tumor suppressor requirements of STAT5-induced senescence. *Annals of the New York Academy of Sciences*, **2010**, 1197, 142-51	6.5	15
47	A screen for genes involved in respiration control and longevity in Schizosaccharomyces pombe. *Annals of the New York Academy of Sciences*, **2010**, 1197, 19-27	6.5	13
46	Designing small multiple-target artificial RNAs. *Nucleic Acids Research*, **2010**, 38, e140	20.1	31
45	Regulation of cytokine-driven functional differentiation of CD8 T cells by suppressor of cytokine signaling 1 controls autoimmunity and preserves their proliferative capacity toward foreign antigens. *Journal of Immunology*, **2010**, 185, 357-66	5.3	10
44	Fission yeast and other yeasts as emergent models to unravel cellular aging in eukaryotes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 1-8	6.4	50
43	Endogenous oxidative stress prevents telomerase-dependent immortalization of human endothelial cells. *Mechanisms of Ageing and Development*, **2010**, 131, 354-63	5.6	26
42	SOCS1, a novel interaction partner of p53 controlling oncogene-induced senescence. *Aging*, **2010**, 2, 445-52	5.6	45
41	Bile acids in the fountain of youth. *Aging*, **2010**, 2, 383-4	5.6	2
40	Oncogene-Induced Senescence (OIS) as a Cellular Response to Oncogenic Stresses **2010**, 63-83		
39	PML links aberrant cytokine signaling and oncogenic stress to cellular senescence. *Frontiers in Bioscience - Landmark*, **2009**, 14, 475-85	2.8	25

38	Mitochondrial dysfunction contributes to oncogene-induced senescence. *Molecular and Cellular Biology*, **2009**, 29, 4495-507	4.8	262
37	Pro-aging effects of glucose signaling through a G protein-coupled glucose receptor in fission yeast. *PLoS Genetics*, **2009**, 5, e1000408	6	64
36	SOCS1 links cytokine signaling to p53 and senescence. *Molecular Cell*, **2009**, 36, 754-67	17.6	91
35	The presence of the TAR RNA structure alters the programmed -1 ribosomal frameshift efficiency of the human immunodeficiency virus type 1 (HIV-1) by modifying the rate of translation initiation. *Nucleic Acids Research*, **2008**, 36, 30-40	20.1	68
34	Urodele p53 tolerates amino acid changes found in p53 variants linked to human cancer. *BMC Evolutionary Biology*, **2007**, 7, 180	3	41
33	The DNA damage signaling pathway connects oncogenic stress to cellular senescence. *Cell Cycle*, **2007**, 6, 1831-6	4.7	102
32	The DNA damage signaling pathway is a critical mediator of oncogene-induced senescence. *Genes and Development*, **2007**, 21, 43-8	12.6	322
31	Myc down-regulation as a mechanism to activate the Rb pathway in STAT5A-induced senescence. *Journal of Biological Chemistry*, **2007**, 282, 34938-44	5.4	38
30	An E2F/miR-20a autoregulatory feedback loop. *Journal of Biological Chemistry*, **2007**, 282, 2135-43	5.4	460
29	DNA damage signaling and p53-dependent senescence after prolonged beta-interferon stimulation. *Molecular Biology of the Cell*, **2006**, 17, 1583-92	3.5	193
28	Regulation of chronological aging in Schizosaccharomyces pombe by the protein kinases Pka1 and Sck2. *Aging Cell*, **2006**, 5, 345-57	9.9	91
27	The virion-associated Gag-Pol is decreased in chimeric Moloney murine leukemia viruses in which the readthrough region is replaced by the frameshift region of the human immunodeficiency virus type 1. *Virology*, **2005**, 334, 342-52	3.6	8
26	RNA silencing of checkpoint regulators sensitizes p53-defective prostate cancer cells to chemotherapy while sparing normal cells. *Cancer Research*, **2005**, 65, 2872-81	10.1	49
25	PEA-15 is inhibited by adenovirus E1A and plays a role in ERK nuclear export and Ras-induced senescence. *Journal of Biological Chemistry*, **2004**, 279, 46802-9	5.4	46
24	Human fibroblasts require the Rb family of tumor suppressors, but not p53, for PML-induced senescence. *Oncogene*, **2004**, 23, 91-9	9.2	80
23	PML is a direct p53 target that modulates p53 effector functions. *Molecular Cell*, **2004**, 13, 523-35	17.6	269
22	PML a target of translocations in APL is a regulator of cellular senescence. *Leukemia*, **2002**, 16, 1918-26	10.7	30
21	Oncogenic ras and p53 cooperate to induce cellular senescence. *Molecular and Cellular Biology*, **2002**, 22, 3497-508	4.8	251

20	Distribution of hammerhead and hammerhead-like RNA motifs through the GenBank. *Genome Research*, **2000**, 10, 1011-9	9.7	24
19	Hammerhead-mediated processing of satellite pDo500 family transcripts from Dolichopoda cave crickets. *Nucleic Acids Research*, **2000**, 28, 4037-43	20.1	66
18	PML is induced by oncogenic ras and promotes premature senescence. *Genes and Development*, **2000**, 14, 2015-2027	12.6	271
17	The distribution of RNA motifs in natural sequences. *Nucleic Acids Research*, **1999**, 27, 4457-67	20.1	41
16	A small nucleolar RNA:ribozyme hybrid cleaves a nucleolar RNA target in vivo with near-perfect efficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 6609-14	11.5	52
15	E1A signaling to p53 involves the p19(ARF) tumor suppressor. *Genes and Development*, **1998**, 12, 2434-42	12.6	490
14	Schistosome satellite DNA encodes active hammerhead ribozymes. *Molecular and Cellular Biology*, **1998**, 18, 3880-8	4.8	134
13	Amber suppression in Escherichia coli by unusual mitochondria-like transfer RNAs. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 1375-80	11.5	10
12	PolI-driven integrative expression vectors for yeast. *Journal of Biotechnology*, **1997**, 56, 41-7	3.7	1
11	Efficient hammerhead ribozyme and antisense RNA targeting in a slow ribosome Escherichia coli mutant. *Nature Biotechnology*, **1997**, 15, 432-5	44.5	27
10	Does HIV tat protein also regulate genes of other viruses present in HIV infection?. *Trends in Biochemical Sciences*, **1997**, 22, 115-6	10.3	10
9	Stimulation of mitotic recombination upon transcription from the yeast GAL1 promoter but not from other RNA polymerase I, II and III promoters. *Current Genetics*, **1996**, 30, 381-8	2.9	17
8	Cell cycle arrest promotes trans-hammerhead ribozyme action in yeast. *Journal of Biological Chemistry*, **1996**, 271, 19318-23	5.4	12
7	Structural and thermodynamic properties of DNA uncover different evolutionary histories. *Journal of Molecular Evolution*, **1995**, 40, 698-704	3.1	10
6	An oligodeoxyribonucleotide that supports catalytic activity in the hammerhead ribozyme domain. *Nucleic Acids Research*, **1995**, 23, 4092-6	20.1	24
5	A hammerhead ribozyme inhibits ADE1 gene expression in yeast. *Gene*, **1995**, 155, 45-50	3.8	18
4	The hammerhead RNA domain, a model ribozyme. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1993**, 1216, 345-59		76
3	Cloning and expression of hepatitis B surface antigen in the yeastKluyveromyces lactis. *Biotechnology Letters*, **1992**, 14, 83-86	3	7

2	The retinoblastoma tumor suppressor limits ribosomal readthrough during oncogene induced senescence	1
1	Senescence gives insights into the morphogenetic evolution of anamniotes	1