Manuel Serrano

List of Publications by Year
in descending order

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		3731	1072
278	57,938	89	233
papers	citations	h-index	g-index

292	292	292	56202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Hallmarks of Aging. Cell, 2013, 153, 1194-1217.	28.9	10,992
2	Oncogenic ras Provokes Premature Cell Senescence Associated with Accumulation of p53 and p16INK4a. Cell, 1997, 88, 593-602.	28.9	4,480
3	A new regulatory motif in cell-cycle control causing specific inhibition of cyclin D/CDK4. Nature, 1993, 366, 704-707.	27.8	3,425
4	Cellular senescence: from physiology to pathology. Nature Reviews Molecular Cell Biology, 2014, 15, 482-496.	37.0	1,979
5	Cellular Senescence: Defining a Path Forward. Cell, 2019, 179, 813-827.	28.9	1,551
6	Role of the INK4a Locus in Tumor Suppression and Cell Mortality. Cell, 1996, 85, 27-37.	28.9	1,512
7	Cellular Senescence in Cancer and Aging. Cell, 2007, 130, 223-233.	28.9	1,484
8	Senescence in premalignant tumours. Nature, 2005, 436, 642-642.	27.8	1,280
9	A p16INK4a-insensitive CDK4 mutant targeted by cytolytic T lymphocytes in a human melanoma. Science, 1995, 269, 1281-1284.	12.6	1,102
10	Programmed Cell Senescence during Mammalian Embryonic Development. Cell, 2013, 155, 1104-1118.	28.9	1,081
11	A p53-mediated DNA damage response limits reprogramming to ensure iPS cell genomic integrity. Nature, 2009, 460, 1149-1153.	27.8	959
12	Senescence in tumours: evidence from mice and humans. Nature Reviews Cancer, 2010, 10, 51-57.	28.4	947
13	The common biology of cancer and ageing. Nature, 2007, 448, 767-774.	27.8	903
14	The Ink4/Arf locus is a barrier for iPS cell reprogramming. Nature, 2009, 460, 1136-1139.	27.8	897
15	Sirt1 protects against high-fat diet-induced metabolic damage. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9793-9798.	7.1	841
16	Premature senescence involving p53 and p16 is activated in response to constitutive MEK/MAPK mitogenic signaling. Genes and Development, 1998, 12, 3008-3019.	5.9	806
17	p19ARF links the tumour suppressor p53 to Ras. Nature, 1998, 395, 125-126.	27.8	600
18	Sirt1 improves healthy ageing and protects from metabolic syndrome-associated cancer. Nature Communications, 2010, 1, 3.	12.8	539

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19	Tumor induction by an endogenous K-ras oncogene is highly dependent on cellular context. Cancer Cell, 2003, 4, 111-120.	16.8	518
20	Mutations and altered expression of p16INK4 in human cancer.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11045-11049.	7.1	499
21	'Super p53' mice exhibit enhanced DNA damage response, are tumor resistant and age normally. EMBO Journal, 2002, 21, 6225-6235.	7.8	495
22	Tissue damage and senescence provide critical signals for cellular reprogramming in vivo. Science, 2016, 354, .	12.6	466
23	Telomeres Acquire Embryonic Stem Cell Characteristics in Induced Pluripotent Stem Cells. Cell Stem Cell, 2009, 4, 141-154.	11.1	450
24	Reprogramming in vivo produces teratomas and iPS cells with totipotency features. Nature, 2013, 502, 340-345.	27.8	443
25	p53: Guardian of the Genome and Policeman of the Oncogenes. Cell Cycle, 2007, 6, 1006-1010.	2.6	440
26	Delayed ageing through damage protection by the Arf/p53 pathway. Nature, 2007, 448, 375-379.	27.8	439
27	Pancreatitis-Induced Inflammation Contributes to Pancreatic Cancer by Inhibiting Oncogene-Induced Senescence. Cancer Cell, 2011, 19, 728-739.	16.8	437
28	A new mouse model to explore the initiation, progression, and therapy of BRAFV600E-induced lung tumors. Genes and Development, 2007, 21, 379-384.	5.9	427
29	GLP-1 Agonism Stimulates Brown Adipose Tissue Thermogenesis and Browning Through Hypothalamic AMPK. Diabetes, 2014, 63, 3346-3358.	0.6	422
30	Inhibition of Ras-Induced Proliferation and Cellular Transformation by p16 ^{INK4}. Science, 1995, 267, 249-252.	12.6	406
31	Telomerase Reverse Transcriptase Delays Aging in Cancer-Resistant Mice. Cell, 2008, 135, 609-622.	28.9	396
32	Putting the stress on senescence. Current Opinion in Cell Biology, 2001, 13, 748-753.	5.4	387
33	The power and the promise of oncogene-induced senescence markers. Nature Reviews Cancer, 2006, 6, 472-476.	28.4	372
34	A mammalian microRNA cluster controls DNA methylation and telomere recombination via Rbl2-dependent regulation of DNA methyltransferases. Nature Structural and Molecular Biology, 2008, 15, 268-279.	8.2	348
35	Tumor suppressors and oncogenes in cellular senescenceâ˜†. Experimental Gerontology, 2000, 35, 317-329.	2.8	344
36	Pten Positively Regulates Brown Adipose Function, Energy Expenditure, and Longevity. Cell Metabolism, 2012, 15, 382-394.	16.2	308

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37	The Tumor Suppressor Protein p16INK4a. Experimental Cell Research, 1997, 237, 7-13.	2.6	292
38	The Atypical PKC-Interacting Protein p62 Is an Important Mediator of RANK-Activated Osteoclastogenesis. Developmental Cell, 2004, 6, 303-309.	7.0	286
39	Tumor susceptibility of p21(Waf1/Cip1)-deficient mice. Cancer Research, 2001, 61, 6234-8.	0.9	275
40	Mutations associated with familial melanoma impair p16INK4 function. Nature Genetics, 1995, 10, 114-116.	21.4	273
41	Mature-onset obesity and insulin resistance in mice deficient in the signaling adapter p62. Cell Metabolism, 2006, 3, 211-222.	16.2	262
42	Specific lipofuscin staining as a novel biomarker to detect replicative and stress-induced senescence. A method applicable in cryo-preserved and archival tissues. Aging, 2012, 5, 37-50.	3.1	258
43	SIRT1: recent lessons from mouse models. Nature Reviews Cancer, 2010, 10, 819-823.	28.4	246
44	Salermide, a Sirtuin inhibitor with a strong cancer-specific proapoptotic effect. Oncogene, 2009, 28, 781-791.	5.9	244
45	Inhibition of the Phosphoinositide 3-Kinase Pathway Induces a Senescence-like Arrest Mediated by p27Kip1. Journal of Biological Chemistry, 2000, 275, 21960-21968.	3.4	231
46	Identification and characterization of Cardiac Glycosides as senolytic compounds. Nature Communications, 2019, 10, 4731.	12.8	230
47	SIRT1 contributes to telomere maintenance and augments global homologous recombination. Journal of Cell Biology, 2010, 191, 1299-1313.	5.2	220
48	A versatile drug delivery system targeting senescent cells. EMBO Molecular Medicine, 2018, 10, .	6.9	204
49	Crystal structure of the complex of the cyclin D-dependent kinase Cdk6 bound to the cell-cycle inhibitor p19INK4d. Nature, 1998, 395, 244-250.	27.8	199
50	Murine fibroblasts lacking p21 undergo senescence and are resistant to transformation by oncogenic Ras. Oncogene, 1999, 18, 4974-4982.	5.9	189
51	The cell cycle inhibitor p21 controls T-cell proliferation and sex-linked lupus development. Nature Medicine, 2000, 6, 171-176.	30.7	189
52	Oncogenicity of the Developmental Transcription Factor Sox9. Cancer Research, 2012, 72, 1301-1315.	0.9	180
53	G6PD protects from oxidative damage and improves healthspan in mice. Nature Communications, 2016, 7, 10894.	12.8	179
54	Robust, universal biomarker assay to detect senescent cells in biological specimens. Aging Cell, 2017, 16, 192-197.	6.7	179

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55	Cloning and characterization of murine p16INK4a and p15INK4b genes. Oncogene, 1995, 11, 635-45.	5.9	176
56	Deletion of the p16 and p15 Genes in Human Bladder Tumors. Journal of the National Cancer Institute, 1995, 87, 1524-1529.	6.3	175
57	Cancer and ageing: convergent and divergent mechanisms. Nature Reviews Molecular Cell Biology, 2007, 8, 715-722.	37.0	174
58	Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. Nature, 2006, 440, 702-706.	27.8	170
59	Mutations in the p16INK4/MTS1/CDKN2, p15INK4B/MTS2, and p18 genes in primary and metastatic lung cancer. Cancer Research, 1995, 55, 1448-51.	0.9	168
60	Histone macroH2A isoforms predict the risk of lung cancer recurrence. Oncogene, 2009, 28, 3423-3428.	5.9	165
61	PTEN in cancer, metabolism, and aging. Trends in Endocrinology and Metabolism, 2013, 24, 184-189.	7.1	165
62	TGFÎ² inhibition restores a regenerative response in acute liver injury by suppressing paracrine senescence. Science Translational Medicine, 2018, 10, .	12.4	161
63	Sirtuin 1 regulation of developmental genes during differentiation of stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13736-13741.	7.1	154
64	Combined inhibition of DDR1 and Notch signaling is a therapeutic strategy for KRAS-driven lung adenocarcinoma. Nature Medicine, 2016, 22, 270-277.	30.7	150
65	Cellular Senescence Limits Regenerative Capacity and Allograft Survival. Journal of the American Society of Nephrology: JASN, 2012, 23, 1467-1473.	6.1	143
66	An OFFâ€“ON Two-Photon Fluorescent Probe for Tracking Cell Senescence in Vivo. Journal of the American Chemical Society, 2017, 139, 8808-8811.	13.7	138
67	p27Kip1 Directly Represses Sox2 during Embryonic Stem Cell Differentiation. Cell Stem Cell, 2012, 11, 845-852.	11.1	134
68	Senescence promotes inÂvivo reprogramming through p16<scp>^{INK}</scp>^{4a} and <scp>IL</scp>â€6. Aging Cell, 2018, 17, e12711.	6.7	133
69	Galactoâ€conjugation of Navitoclax as an efficient strategy to increase senolytic specificity and reduce platelet toxicity. Aging Cell, 2020, 19, e13142.	6.7	131
70	Mechanistic principles of chromatin remodeling guided by siRNAs and miRNAs. Cell Cycle, 2008, 7, 2601-2608.	2.6	127
71	Increased gene dosage of Ink4a/Arf results in cancer resistance and normal aging. Genes and Development, 2004, 18, 2736-2746.	5.9	123
72	The Arf/p53 Pathway in Cancer and Aging. Cancer Research, 2008, 68, 6031-6034.	0.9	121

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73	PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. Nature Neuroscience, 2016, 19, 443-453.	14.8	118
74	Polycomb Mediated Epigenetic Silencing and Replication Timing at the INK4a/ARF Locus during Senescence. PLoS ONE, 2009, 4, e5622.	2.5	117
75	Induction of p53-Dependent Senescence by the MDM2 Antagonist Nutlin-3a in Mouse Cells of Fibroblast Origin. Cancer Research, 2007, 67, 7350-7357.	0.9	116
76	The downregulation of the pro-apoptotic protein Par-4 is critical for Ras-induced survival and tumor progression. EMBO Journal, 1999, 18, 6362-6369.	7.8	108
77	Therapeutic Effect of Î³-Secretase Inhibition in KrasG12V-Driven Non-Small Cell Lung Carcinoma by Derepression of DUSP1 and Inhibition of ERK. Cancer Cell, 2012, 22, 222-234.	16.8	108
78	Policing of oncogene activity by p53. Nature, 2006, 443, 159-159.	27.8	107
79	SIRT1 controls liver regeneration by regulating bile acid metabolism through farnesoid X receptor and mammalian target of rapamycin signaling. Hepatology, 2014, 59, 1972-1983.	7.3	105
80	The PTEN/NRF2 Axis Promotes Human Carcinogenesis. Antioxidants and Redox Signaling, 2014, 21, 2498-2514.	5.4	104
81	Increased p53 activity does not accelerate telomereâ€driven ageing. EMBO Reports, 2006, 7, 546-552.	4.5	103
82	p53-dependent association between cyclin G and the B' subunit of protein phosphatase 2A. Molecular and Cellular Biology, 1996, 16, 6593-6602.	2.3	102
83	miR-33-mediated downregulation of p53 controls hematopoietic stem cell self-renewal. Cell Cycle, 2010, 9, 3297-3305.	2.6	102
84	Inactivation of the Candidate Tumor Suppressor Par-4 in Endometrial Cancer. Cancer Research, 2007, 67, 1927-1934.	0.9	100
85	Tumourâ€suppression activity of the proapoptotic regulator Par4. EMBO Reports, 2005, 6, 577-583.	4.5	99
86	Restoration of energy homeostasis by SIRT6 extends healthy lifespan. Nature Communications, 2021, 12, 3208.	12.8	98
87	The stress kinase MKK7 couples oncogenic stress to p53 stability and tumor suppression. Nature Genetics, 2011, 43, 212-219.	21.4	96
88	Genome-wide CTCF distribution in vertebrates defines equivalent sites that aid the identification of disease-associated genes. Nature Structural and Molecular Biology, 2011, 18, 708-714.	8.2	95
89	The INK4a/ARF locus in murine tumorigenesis. Carcinogenesis, 2000, 21, 865-869.	2.8	92
90	Antiâ€aging activity of the Ink4/Arf locus. Aging Cell, 2009, 8, 152-161.	6.7	92

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91	WNT16B Is a New Marker of Cellular Senescence That Regulates p53 Activity and the Phosphoinositide 3-Kinase/AKT Pathway. Cancer Research, 2009, 69, 9183-9191.	0.9	91
92	The chemistry of senescence. Nature Reviews Chemistry, 2019, 3, 426-441.	30.2	88
93	p19ARFDeficiency Reduces Macrophage and Vascular Smooth Muscle Cell Apoptosis and Aggravates Atherosclerosis. Journal of the American College of Cardiology, 2010, 55, 2258-2268.	2.8	86
94	NOTCH pathway inactivation promotes bladder cancer progression. Journal of Clinical Investigation, 2015, 125, 824-830.	8.2	86
95	PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. Nature Communications, 2015, 6, 7935.	12.8	86
96	Limiting replication stress during somatic cell reprogramming reduces genomic instability in induced pluripotent stem cells. Nature Communications, 2015, 6, 8036.	12.8	84
97	A novel nucleoprotein complex at a replication origin. Science, 1990, 248, 1012-1016.	12.6	82
98	Pharmacological Inhibition of PI3K Reduces Adiposity and Metabolic Syndrome in Obese Mice and Rhesus Monkeys. Cell Metabolism, 2015, 21, 558-570.	16.2	79
99	Activation of cyclin D1-kinase in murine fibroblasts lacking both p21Cip1 and p27Kip1. Oncogene, 2002, 21, 8067-8074.	5.9	77
100	Par-4 inhibits Akt and suppresses Ras-induced lung tumorigenesis. EMBO Journal, 2008, 27, 2181-2193.	7.8	77
101	Mutational effects on the p16INK4a tumor suppressor protein. Cancer Research, 1995, 55, 2503-6.	0.9	77
102	SIRT1 enhances glucose tolerance by potentiating brown adipose tissue function. Molecular Metabolism, 2015, 4, 118-131.	6.5	75
103	EMT and induction of miR-21 mediate metastasis development in Trp53-deficient tumours. Scientific Reports, 2012, 2, 434.	3.3	74
104	The absence of p53 is critical for the induction of apoptosis by 5-aza-2â€²-deoxycytidine. Oncogene, 2004, 23, 735-743.	5.9	73
105	Inactivation of the cyclin-dependent kinase inhibitor p15INK4b by deletion and de novo methylation with independence of p16INK4a alterations in murine primary T-cell lymphomas. Oncogene, 1997, 14, 1361-1370.	5.9	72
106	Tumorigenic activity of p21Waf1/Cip1 in thymic lymphoma. Oncogene, 2006, 25, 4128-4132.	5.9	72
107	The Senescent Side of Tumor Suppression. Cell Cycle, 2005, 4, 1722-1724.	2.6	71
108	A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. Cell Metabolism, 2017, 26, 475-492.e7.	16.2	71

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109	SIRT1 promotes thyroid carcinogenesis driven by PTEN deficiency. Oncogene, 2013, 32, 4052-4056.	5.9	70
110	Cold-Inducible RNA-Binding Protein Bypasses Replicative Senescence in Primary Cells through Extracellular Signal-Regulated Kinase 1 and 2 Activation. Molecular and Cellular Biology, 2009, 29, 1855-1868.	2.3	69
111	Depletion of ribosomal protein L37 occurs in response to DNA damage and activates p53 through the L11/MDM2 pathway. Cell Cycle, 2010, 9, 4005-4012.	2.6	69
112	Regulation of the tumor suppressor PTEN by SUMO. Cell Death and Disease, 2012, 3, e393-e393.	6.3	68
113	Naked mole rats can undergo developmental, oncogene-induced and DNA damage-induced cellular senescence. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1801-1806.	7.1	67
114	Resistance to viral infection of super p53 mice. Oncogene, 2005, 24, 3059-3062.	5.9	66
115	Partial Loss of Rpl11 in Adult Mice Recapitulates Diamond-Blackfan Anemia and Promotes Lymphomagenesis. Cell Reports, 2015, 13, 712-722.	6.4	64
116	Preclinical antitumor efficacy of senescence-inducing chemotherapy combined with a nanoSenolytic. Journal of Controlled Release, 2020, 323, 624-634.	9.9	64
117	Dietary Restriction: Standing Up for Sirtuins. Science, 2010, 329, 1012-1013.	12.6	63
118	Induction of senescence by oncogenic ras. Methods in Enzymology, 2001, 333, 247-256.	1.0	62
119	Multiâ€omic rejuvenation of naturally aged tissues by a single cycle of transient reprogramming. Aging Cell, 2022, 21, e13578.	6.7	60
120	Sirtuin-1 Regulates Acinar-to-Ductal Metaplasia and Supports Cancer Cell Viability in Pancreatic Cancer. Cancer Research, 2013, 73, 2357-2367.	0.9	59
121	Identification of a Candidate Tumor-Suppressor Gene Specifically Activated during Ras-Induced Senescence. Experimental Cell Research, 2002, 273, 127-137.	2.6	58
122	Genetic inactivation of Par4 results in hyperactivation of NFâ€ºB and impairment of JNK and p38. EMBO Reports, 2003, 4, 307-312.	4.5	58
123	Regulation of macrophage activation and septic shock susceptibility via p21(WAF1/CIP1). European Journal of Immunology, 2009, 39, 810-819.	2.9	58
124	Lysosomal trapping of palbociclib and its functional implications. Oncogene, 2019, 38, 3886-3902.	5.9	57
125	Ghrelin Requires p53 to Stimulate Lipid Storage in Fat and Liver. Endocrinology, 2013, 154, 3671-3679.	2.8	56
126	InÂVivo Reprogramming Ameliorates Aging Features in Dentate Gyrus Cells and Improves Memory in Mice. Stem Cell Reports, 2020, 15, 1056-1066.	4.8	56

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127	Signals at the bacteriophage phi 29 DNA replication origins required for protein p6 binding and activity.. EMBO Journal, 1989, 8, 1879-1885.	7.8	54
128	Nephrin Deficiency Activates NF-Î²B and Promotes Glomerular Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 1733-1743.	6.1	54
129	Interaction of the bacteriophage phi 29 protein p6 with double-stranded DNA.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 314-318.	7.1	53
130	Crosstalk between PKCÎ¶ and the IL4/Stat6 pathway during T-cell-mediated hepatitis. EMBO Journal, 2004, 23, 4595-4605.	7.8	53
131	Resveratrol treatment restores peripheral insulin sensitivity in diabetic mice in a sirt1â€independent manner. Molecular Nutrition and Food Research, 2015, 59, 1431-1442.	3.3	53
132	A High-Throughput Loss-of-Function Screening Identifies Novel p53 Regulators. Cell Cycle, 2006, 5, 1880-1885.	2.6	52
133	Epigenetic regulation ofNanogexpression by Ezh2 in pluripotent stem cells. Cell Cycle, 2011, 10, 1488-1498.	2.6	52
134	Increased dosage of tumor suppressors limits the tumorigenicity of iPS cells without affecting their pluripotency. Aging Cell, 2012, 11, 41-50.	6.7	51
135	Limited Role of Murine ATM in Oncogene-Induced Senescence and p53-Dependent Tumor Suppression. PLoS ONE, 2009, 4, e5475.	2.5	50
136	Genomic instability in iPS: time for a break. EMBO Journal, 2011, 30, 991-993.	7.8	50
137	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. Science Signaling, 2014, 7, pe15.	3.6	50
138	SIRT1 stabilizes PML promoting its sumoylation. Cell Death and Differentiation, 2011, 18, 72-79.	11.2	49
139	Î”133p53 represses p53-inducible senescence genes and enhances the generation of human induced pluripotent stem cells. Cell Death and Differentiation, 2017, 24, 1017-1028.	11.2	49
140	Superhelical Path of the DNA in the Nucleoprotein Complex that Activates the Initiation of Phage Ï†29 DNA Replication. Journal of Molecular Biology, 1993, 230, 248-259.	4.2	48
141	Growth Inhibition by the Tumor Suppressor p33ING1 in Immortalized and Primary Cells: Involvement of Two Silencing Domains and Effect of Ras. Molecular and Cellular Biology, 2005, 25, 422-431.	2.3	48
142	The ink4a/arf Tumor Suppressors Cooperate with p21 in the Processes of Mouse Epidermal Differentiation, Senescence, and Carcinogenesis. Journal of Biological Chemistry, 2001, 276, 44203-44211.	3.4	46
143	In Vivo Inhibition of c-MYC in Myeloid Cells Impairs Tumor-Associated Macrophage Maturation and Pro-Tumoral Activities. PLoS ONE, 2012, 7, e45399.	2.5	46
144	A New Mechanism of Inactivation of the INK4/ARF Locus. Cell Cycle, 2006, 5, 1382-1384.	2.6	45

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145	Lineage-restricted function of the pluripotency factor NANOG in stratified epithelia. Nature Communications, 2014, 5, 4226.	12.8	45
146	NSD2 contributes to oncogenic RAS-driven transcription in lung cancer cells through long-range epigenetic activation. Scientific Reports, 2016, 6, 32952.	3.3	45
147	Tumor Suppressor p53 Mediates Apoptotic Cell Death Triggered by Cyclosporin A. Journal of Biological Chemistry, 2002, 277, 14102-14108.	3.4	44
148	Regulation of mature T lymphocyte proliferation and differentiation by Par-4. EMBO Journal, 2003, 22, 4689-4698.	7.8	44
149	Epigenetic induction of the Ink4a/Arf locus prevents Schwann cell overproliferation during nerve regeneration and after tumorigenic challenge. Brain, 2013, 136, 2262-2278.	7.6	44
150	Antiviral action of the tumor suppressor ARF. EMBO Journal, 2006, 25, 4284-4292.	7.8	43
151	Free [NADH]/[NAD+] regulates sirtuin expression. Archives of Biochemistry and Biophysics, 2011, 512, 24-29.	3.0	43
152	AAV vector-mediated in vivo reprogramming into pluripotency. Nature Communications, 2018, 9, 2651.	12.8	43
153	Specific Contribution of p19ARF to Nitric Oxide-Dependent Apoptosis. Journal of Immunology, 2006, 177, 3327-3336.	0.8	42
154	SIRT1 Undergoes Alternative Splicing in a Novel Auto-Regulatory Loop with p53. PLoS ONE, 2010, 5, e13502.	2.5	42
155	Multimeric complexes formed by DNA-binding proteins of low sequence specificity. Trends in Biochemical Sciences, 1993, 18, 202-206.	7.5	41
156	Acetylation is indispensable for p53 antiviral activity. Cell Cycle, 2011, 10, 3701-3705.	2.6	41
157	Cancer Regression by Senescence. New England Journal of Medicine, 2007, 356, 1996-1997.	27.0	40
158	Simultaneous inactivation of Par-4 and PTEN in vivo leads to synergistic NF-Î²B activation and invasive prostate carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12962-12967.	7.1	40
159	p73Î²-Mediated Apoptosis Requires p57kip2 Induction and IEX-1 Inhibition. Cancer Research, 2005, 65, 2186-2192.	0.9	39
160	Increased p53 gene dosage reduces neointimal thickening induced by mechanical injury but has no effect on native atherosclerosis. Cardiovascular Research, 2007, 75, 803-812.	3.8	37
161	Shifting senescence into quiescence by turning up p53. Cell Cycle, 2010, 9, 4256-4257.	2.6	37
162	Reprogramming activity of NANOGP8, a NANOG family member widely expressed in cancer. Oncogene, 2014, 33, 2513-2519.	5.9	37

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163	Stabilization of p21 by mTORC1/4E-BP1 predicts clinical outcome of head and neck cancers. Nature Communications, 2016, 7, 10438.	12.8	37
164	G6PDoverexpression protects from oxidative stress and ageâ€related hearing loss. Aging Cell, 2020, 19, e13275.	6.7	37
165	Different cooperating effect of p21 or p27 deficiency in combination with INK4a/ARF deletion in mice. Oncogene, 2004, 23, 8231-8237.	5.9	36
166	A functional link between the tumour suppressors ARF and p33ING1. Oncogene, 2006, 25, 5173-5179.	5.9	36
167	Genetic dissection of the role of p21Cip1/Waf1 in p53-mediated tumour suppression. Oncogene, 2007, 26, 1645-1649.	5.9	36
168	A minimally invasive assay for individual assessment of the ATM/CHEK2/p53 pathway activity. Cell Cycle, 2011, 10, 1152-1161.	2.6	36
169	Global hyperactivation of enhancers stabilizes human and mouse naive pluripotency through inhibition of CDK8/19 Mediator kinases. Nature Cell Biology, 2020, 22, 1223-1238.	10.3	35
170	Impact papers on aging in 2009. Aging, 2010, 2, 111-121.	3.1	35
171	Increased gene dosage ofInk4/Arfandp53delays age-associated central nervous system functional decline. Aging Cell, 2015, 14, 710-714.	6.7	34
172	Rplp1 bypasses replicative senescence and contributes to transformation. Experimental Cell Research, 2009, 315, 1372-1383.	2.6	33
173	A lower bar for senescence. Nature, 2010, 464, 363-364.	27.8	33
174	Common Telomere Changes during InÂVivo Reprogramming and Early Stages of Tumorigenesis. Stem Cell Reports, 2017, 8, 460-475.	4.8	33
175	Cellular Senescence in Lung Fibrosis. International Journal of Molecular Sciences, 2021, 22, 7012.	4.1	33
176	Impact of Sirt1 on mammalian aging. Aging, 2010, 2, 315-316.	3.1	33
177	Suppression of growth in vitro and tumorigenicity in vivo of human carcinoma cell lines by transfectedp16INK4. , 1996, 16, 53-60.		32
178	Activation of ARF by oncogenic stress in mouse fibroblasts is independent of E2F1 and E2F2. Oncogene, 2002, 21, 2939-2947.	5.9	32
179	Regulation of the INK4a/ARF Locus by Histone Deacetylase Inhibitors. Journal of Biological Chemistry, 2005, 280, 42433-42441.	3.4	32
180	Genomic Profiling of Circulating Plasma RNA for the Analysis of Cancer. Clinical Chemistry, 2007, 53, 1860-1863.	3.2	32

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181	Ribosomal stress induces L11- and p53-dependent apoptosis in mouse pluripotent stem cells. Cell Cycle, 2012, 11, 503-510.	2.6	32
182	The pluripotency factor NANOG promotes the formation of squamous cell carcinomas. Scientific Reports, 2015, 5, 10205.	3.3	32
183	Unraveling the links between cancer and aging. Carcinogenesis, 2016, 37, 107-107.	2.8	31
184	Inactivation of imprinted genes induced by cellular stress and tumorigenesis. Cancer Research, 2005, 65, 26-33.	0.9	31
185	Analysis of p16INK4aand Its Interaction with CDK4. Biochemical and Biophysical Research Communications, 1996, 218, 254-259.	2.1	30
186	Increased dosage of Ink4/Arf protects against glucose intolerance and insulin resistance associated with aging. Aging Cell, 2013, 12, 102-111.	6.7	30
187	Sirt4: The Glutamine Gatekeeper. Cancer Cell, 2013, 23, 427-428.	16.8	30
188	The RNA Polymerase II Factor RPAP1 Is Critical for Mediator-Driven Transcription and Cell Identity. Cell Reports, 2018, 22, 396-410.	6.4	30
189	Phage Ã¯29 protein p6: A viral histone-like protein. Biochimie, 1994, 76, 981-991.	2.6	29
190	Dissecting the role of mTOR complexes in cellular senescence. Cell Cycle, 2012, 11, 2231-2232.	2.6	29
191	A Two-Photon Probe Based on Naphthalimide-Styrene Fluorophore for the In Vivo Tracking of Cellular Senescence. Analytical Chemistry, 2021, 93, 3052-3060.	6.5	29
192	Activation of Replication Origins in Ï•29-related Phages Requires the Recognition of Initiation Proteins to Specific Nucleoprotein Complexes. Journal of Biological Chemistry, 1996, 271, 31000-31007.	3.4	28
193	MSK2 Inhibits p53 Activity in the Absence of Stress. Science Signaling, 2009, 2, ra57.	3.6	28
194	Troponin-I enhances and is required for oncogenic overgrowth. Oncotarget, 2016, 7, 52631-52642.	1.8	28
195	Activation of sirtuin 1 as therapy for the peroxisomal disease adrenoleukodystrophy. Cell Death and Differentiation, 2015, 22, 1742-1753.	11.2	27
196	Signals at the bacteriophage phi 29 DNA replication origins required for protein p6 binding and activity. EMBO Journal, 1989, 8, 1879-85.	7.8	26
197	Senescence Helps Regeneration. Developmental Cell, 2014, 31, 671-672.	7.0	25
198	Non-genotoxic activation of p53 through the RPL11-dependent ribosomal stress pathway. Carcinogenesis, 2014, 35, 2822-2830.	2.8	25

#	Article	IF	Citations
199	Apoptosis, G1 Phase Stall, and Premature Differentiation Account for Low Chimeric Competence of Human and Rhesus Monkey Naive Pluripotent Stem Cells. Stem Cell Reports, 2021, 16, 56-74.	4.8	25
200	Mouse p73 gene maps to the distal part of chromosome 4 and might be involved in the progression of gamma-radiation-induced T-cell lymphomas. Cancer Research, 1999, 59, 2068-71.	0.9	25
201	Ing1 Mediates p53 Accumulation and Chromatin Modification in Response to Oncogenic Stress. Journal of Biological Chemistry, 2007, 282, 31060-31067.	3.4	24
202	Adult Sox2+ stem cell exhaustion in mice results in cellular senescence and premature aging. Aging Cell, 2018, 17, e12834.	6.7	24
203	Characterization of a DNA binding protein of bacteriophage PRD1 involved in DNA replication. Nucleic Acids Research, 1990, 18, 6553-6557.	14.5	23
204	Association of rat p15INK4B/p16INK4 deletions with monosomy 5 in kidney epithelial cell lines but not primary renal tumors. Cancer Research, 1995, 55, 1607-12.	0.9	23
205	Transcription activation at a distance by phage Ï†29 protein p4. Journal of Molecular Biology, 1991, 219, 403-414.	4.2	22
206	Final act of senescence. Nature, 2011, 479, 481-482.	27.8	22
207	Targeting senescence. Nature Medicine, 2018, 24, 1092-1094.	30.7	22
208	p16 INK4 Mutations and Altered Expression in Human Tumors and Cell Lines. Cold Spring Harbor Symposia on Quantitative Biology, 1994, 59, 49-57.	1.1	22
209	Sirt1 protects from Kâ€Rasâ€driven lung carcinogenesis. EMBO Reports, 2018, 19, .	4.5	21
210	RANK links senescence to stemness in the mammary epithelia, delaying tumor onset but increasing tumor aggressiveness. Developmental Cell, 2021, 56, 1727-1741.e7.	7.0	21
211	PI3KÎ± inhibition reduces obesity in mice. Aging, 2016, 8, 2747-2753.	3.1	21
212	Limited role of Sirt1 in cancer protection by dietary restriction. Cell Cycle, 2011, 10, 2215-2217.	2.6	20
213	The p21Cip1 protein, a cyclin inhibitor, regulates the levels and the intracellular localization of CDC25A in mice regenerating livers. Hepatology, 2002, 35, 1063-1071.	7.3	19
214	Engineering cancer resistance in mice. Carcinogenesis, 2003, 24, 817-826.	2.8	17
215	Effect of presenilins in the apoptosis of thymocytes and homeostasis of CD8+ T cells. Blood, 2007, 110, 3218-3225.	1.4	17
216	The TRIP from ULF to ARF. Cancer Cell, 2010, 17, 317-318.	16.8	17

#	Article	IF	Citations
217	Exome sequencing of three cases of familial exceptional longevity. Aging Cell, 2014, 13, 1087-1090.	6.7	16
218	Transient exposure to miRâ€203 enhances the differentiation capacity of established pluripotent stem cells. EMBO Journal, 2020, 39, e104324.	7.8	16
219	DNA conformational change induced by the bacteriophage Î¦29 connector. Nucleic Acids Research, 1992, 20, 5549-5554.	14.5	15
220	Dissection of two routes to naÃ¯ve pluripotency using different kinase inhibitors. Nature Communications, 2021, 12, 1863.	12.8	15
221	A strategy to study tyrosinase transgenes in mouse melanocytes. BMC Cell Biology, 2005, 6, 18.	3.0	14
222	Analysis of the candidate tumor suppressor Ris-1 in primary human breast carcinomas. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 594, 78-85.	1.0	14
223	Activation of p21 limits acute lung injury and induces early senescence after acid aspiration and mechanical ventilation. Translational Research, 2021, 233, 104-116.	5.0	14
224	Transcriptional regulation of Sox2 by the retinoblastoma family of pocket proteins. Oncotarget, 2015, 6, 2992-3002.	1.8	14
225	Increased gene dosage of the Ink4/Arf locus does not attenuate atherosclerosis development in hypercholesterolaemic mice. Atherosclerosis, 2012, 221, 98-105.	0.8	13
226	The InflammTORy Powers of Senescence. Trends in Cell Biology, 2015, 25, 634-636.	7.9	12
227	Senescence and Cancer: In the Name of Immunosuppression. Cancer Cell, 2016, 30, 507-508.	16.8	12
228	p21Cip1 plays a critical role in the physiological adaptation to fasting through activation of PPARÎ±. Scientific Reports, 2016, 6, 34542.	3.3	12
229	MED15 prion-like domain forms a coiled-coil responsible for its amyloid conversion and propagation. Communications Biology, 2021, 4, 414.	4.4	12
230	Natural killer cells act as an extrinsic barrier for in vivo reprogramming. Development (Cambridge), 2022, 149, .	2.5	12
231	Proteinâ€"nucleic acid interactions in bacteriophageÏ†29 DNA replication. FEMS Microbiology Reviews, 1995, 17, 73-82.	8.6	11
232	â€œSuper p53â€•Mice Display Retinal Astroglial Changes. PLoS ONE, 2013, 8, e65446.	2.5	11
233	Tools to eliminate senescent cells. Nature, 2017, 545, 294-295.	27.8	11
234	Dual-Specificity Phosphatase 1 (DUSP1) Has a Central Role in Redox Homeostasis and Inflammation in the Mouse Cochlea. Antioxidants, 2021, 10, 1351.	5.1	11

#	Article	IF	Citations
235	SHP2: a new target for proâ€senescence cancer therapies. EMBO Journal, 2015, 34, 1439-1441.	7.8	10
236	Understanding Aging. New England Journal of Medicine, 2017, 376, 1083-1085.	27.0	10
237	Diamond Blackfan anemia is mediated by hyperactive Nemo-like kinase. Nature Communications, 2020, 11, 3344.	12.8	10
238	Normal Proliferation and Tumorigenesis but Impaired Pancreatic Function in Mice Lacking the Cell Cycle Regulator Sei1. PLoS ONE, 2010, 5, e8744.	2.5	10
239	Targeting Î³-secretases protect against angiotensin II-induced cardiac hypertrophy. Journal of Hypertension, 2015, 33, 843-850.	0.5	9
240	p53 Modulates the Fate of Cardiac Progenitor Cells Ex Vivo and in the Diabetic Heart In Vivo. EBioMedicine, 2017, 16, 224-237.	6.1	9
241	Glucose 6â€P dehydrogenase delays the onset of frailty by protecting against muscle damage. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1879-1896.	7.3	9
242	IFNalpha 2b induces apoptosis and proteasome-mediated degradation of p27Kip1 in a human lung cancer cell line. Oncology Reports, 2001, 8, 425-9.	2.6	8
243	Protein-primed replication of bacteriophage Î¦29 DNA. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 951, 419-424.	2.4	7
244	CtIP-Specific Roles during Cell Reprogramming Have Long-Term Consequences in the Survival and Fitness of Induced Pluripotent Stem Cells. Stem Cell Reports, 2017, 8, 432-445.	4.8	7
245	Metformin-induced suppression of Nemo-like kinase improves erythropoiesis in preclinical models of Diamondâ€“Blackfan anemia through induction of miR-26a. Experimental Hematology, 2020, 91, 65-77.	0.4	7
246	Induction of Lysosome Membrane Permeabilization as a Therapeutic Strategy to Target Pancreatic Cancer Stem Cells. Cancers, 2020, 12, 1790.	3.7	7
247	Imaging Cancer in Mice by PET, CT, and Combined PETâ€CT. Current Protocols in Mouse Biology, 2011, 1, 85-103.	1.2	7
248	Identification of the gene immediately downstream of the murine INK4a/ARF locus. Experimental Gerontology, 2001, 36, 1289-1302.	2.8	6
249	Mitochondrial Damage Induces Senescence with a Twisted Arm. Cell Metabolism, 2016, 23, 229-230.	16.2	6
250	Proliferation: the Cell Cycle. Advances in Experimental Medicine and Biology, 2003, 532, 13-17.	1.6	6
251	Notching up a new therapeutic strategy for Non-Small Cell Lung Carcinoma (NSCLC). Oncotarget, 2012, 3, 917-918.	1.8	6
252	SOX9 Triggers Different Epithelial to Mesenchymal Transition States to Promote Pancreatic Cancer Progression. Cancers, 2022, 14, 916.	3.7	6

#	Article	IF	Citations
253	Bladder cancer and the Notch pathway. Oncotarget, 2015, 6, 1346-1347.	1.8	5
254	DNA structure in the nucleoprotein complex that activates replication of phage Ã˜/29. Biophysical Chemistry, 1994, 50, 183-189.	2.8	4
255	Networks of tumor suppressors. EMBO Reports, 2000, 1, 115-119.	4.5	4
256	Normal cellular senescence and cancer susceptibility in mice genetically deficient in Ras-induced senescence-1 (Ris1). Oncogene, 2007, 26, 1673-1680.	5.9	4
257	Analysis of the advantages of cis reporters in optimized <scp>FACSâ€Œ</scp>al. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 721-729.	1.5	4
258	Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543.	3.1	4
259	Transcription regulation in Bacillus subtilis phage Î¦29. Research in Microbiology, 1991, 142, 771-777.	2.1	2
260	Glaucoma Genetics â€“ Regulation of Cell Surviving and Death in the Retina. , 0, , .		2
261	Metformin and reprogramming into iPSCs. Cell Cycle, 2012, 11, 1058-1058.	2.6	2
262	Manipulating the Mediator complex to induce naÃ¯ve pluripotency. Experimental Cell Research, 2020, 395, 112215.	2.6	2
263	Activation of ARF by oncogenic stress in mouse fibroblasts is independent of E2F1 and E2F2. Oncogene, 2002, 21, 2939-2947.	5.9	2
264	Senescence as a therapeutic target. , 2022, , 425-442.		2
265	Correction: Retraction: Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. Nature, 2017, 547, 246-246.	27.8	1
266	Induced Pluripotency: Generation of iPS Cells from Mouse Embryonic Fibroblasts. Springer Protocols, 2011, , 477-500.	0.3	1
267	Abstract SY11-03: Sirt1 transgenic and cancer models. , 2011, , .		1
268	Protein-primed Replication of Bacteriophage Ã˜29 DNA. , 1992, , 295-306.		1
269	Crystal structure of the complex of the cyclin D-dependent kinase Cdk6 bound to the cell-cycle inhibitor p19INK4d. Nature, 1998, 396, 390-390.	27.8	0
270	79: WNT16B, a new biomarker of senescent cells in vitro and in vivo, is necessary for the p53-dependent activation of p21WAF1 in cellular senescence. Bulletin Du Cancer, 2010, 97, S67.	1.6	0

#	Article	IF	Citations
271	Young and Lean: Elimination of Senescent Cells Boosts Adaptive Thermogenesis. Cell Metabolism, 2017, 25, 226-228.	16.2	0
272	Stability of Imprinting and Differentiation Capacity in NaÃ¯ve Human Cells Induced by Chemical Inhibition of CDK8 and CDK19. Cells, 2021, 10, 876.	4.1	0
273	Abstract B45: A cell-based screening to identify nucleolar disruptors in cancer cells. , 2013, , .		0
274	Abstract 922: Delta133p53 represses p53-inducible senescence genes and enhances the generation of human induced pluripotent stem cells. , 2017, , .		0
275	Pharmacological Inhibition of Nlk (Nemo-like Kinase) Rescues Erythropoietic Defects in Pre-Clinical Models of Diamond Blackfan Anemia. Blood, 2018, 132, 754-754.	1.4	0
276	The cell cycle and why is it important for oncology. , 2000, 2, 1-2.		0
277	A humanized animal model of pulmonary fibrosis based on cellular senescence. , 2020, , .		0
278	Metformin Upregulates Mir-26a to Improve Erythropoiesis in Preclinical Models of Diamond Blackfan Anemia through Suppression of Nlk Expression. Blood, 2020, 136, 7-7.	1.4	0