

Andrei V Gudkov

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186
papers

14,011
citations

67
h-index

115
g-index

198
ext. papers

15,558
ext. citations

8.4
avg, IF

6.09
L-index

#	Paper	IF	Citations
186	A chemical inhibitor of p53 that protects mice from the side effects of cancer therapy. <i>Science</i> , 1999 , 285, 1733-7	33.3	1079
185	An agonist of toll-like receptor 5 has radioprotective activity in mouse and primate models. <i>Science</i> , 2008 , 320, 226-30	33.3	525
184	The role of p53 in determining sensitivity to radiotherapy. <i>Nature Reviews Cancer</i> , 2003 , 3, 117-29	31.3	456
183	Structural basis of TLR5-flagellin recognition and signaling. <i>Science</i> , 2012 , 335, 859-64	33.3	356
182	Taxol-induced apoptosis depends on MAP kinase pathways (ERK and p38) and is independent of p53. <i>Oncogene</i> , 2001 , 20, 147-55	9.2	310
181	Small-molecule inhibitor of p53 binding to mitochondria protects mice from gamma radiation. <i>Nature Chemical Biology</i> , 2006 , 2, 474-9	11.7	292
180	Identification of a novel stress-responsive gene Hi95 involved in regulation of cell viability. <i>Oncogene</i> , 2002 , 21, 6017-31	9.2	280
179	The candidate tumour suppressor p33ING1 cooperates with p53 in cell growth control. <i>Nature</i> , 1998 , 391, 295-8	50.4	255
178	Suppression of the novel growth inhibitor p33ING1 promotes neoplastic transformation. <i>Nature Genetics</i> , 1996 , 14, 415-20	36.3	254
177	The choice between p53-induced senescence and quiescence is determined in part by the mTOR pathway. <i>Aging</i> , 2010 , 2, 344-52	5.6	248
176	Paradoxical suppression of cellular senescence by p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9660-4	11.5	236
175	Transgenic mice with p53-responsive lacZ: p53 activity varies dramatically during normal development and determines radiation and drug sensitivity in vivo. <i>EMBO Journal</i> , 1997 , 16, 1391-400	13	223
174	Small molecules that reactivate p53 in renal cell carcinoma reveal a NF-kappaB-dependent mechanism of p53 suppression in tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17448-53	11.5	217
173	Core circadian protein CLOCK is a positive regulator of NF-B-mediated transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2457-65	11.5	215
172	Regulation of NF-kappaB by NSD1/FBXL11-dependent reversible lysine methylation of p65. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 46-51	11.5	207
171	Circadian sensitivity to the chemotherapeutic agent cyclophosphamide depends on the functional status of the CLOCK/BMAL1 transactivation complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3407-12	11.5	201
170	BMAL1-dependent circadian oscillation of nuclear CLOCK: posttranslational events induced by dimerization of transcriptional activators of the mammalian clock system. <i>Genes and Development</i> , 2003 , 17, 1921-32	12.6	195

169	Dual effect of p53 on radiation sensitivity in vivo: p53 promotes hematopoietic injury, but protects from gastro-intestinal syndrome in mice. <i>Oncogene</i> , 2004 , 23, 3265-71	9.2	191
168	p53 is a suppressor of inflammatory response in mice. <i>FASEB Journal</i> , 2005 , 19, 1030-2	0.9	187
167	Aging of mice is associated with p16(Ink4a)- and β -galactosidase-positive macrophage accumulation that can be induced in young mice by senescent cells. <i>Aging</i> , 2016 , 8, 1294-315	5.6	185
166	Pseudo-DNA damage response in senescent cells. <i>Cell Cycle</i> , 2009 , 8, 4112-8	4.7	173
165	p53 cooperates with DNA methylation and a suicidal interferon response to maintain epigenetic silencing of repeats and noncoding RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E89-98	11.5	168
164	Levels of HdmX expression dictate the sensitivity of normal and transformed cells to Nutlin-3. <i>Cancer Research</i> , 2006 , 66, 3169-76	10.1	168
163	Keratinocyte growth factor (KGF) enhances postnatal T-cell development via enhancements in proliferation and function of thymic epithelial cells. <i>Blood</i> , 2007 , 109, 3803-11	2.2	161
162	Use of genetic suppressor elements to dissect distinct biological effects of separate p53 domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10309-14	11.5	153
161	Small-molecule RETRA suppresses mutant p53-bearing cancer cells through a p73-dependent salvage pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6302-7	11.5	144
160	Curaxins: anticancer compounds that simultaneously suppress NF- κ B and activate p53 by targeting FACT. <i>Science Translational Medicine</i> , 2011 , 3, 95ra74	17.5	142
159	Hypoxia suppresses conversion from proliferative arrest to cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13314-8	11.5	141
158	p16(Ink4a) and senescence-associated β -galactosidase can be induced in macrophages as part of a reversible response to physiological stimuli. <i>Aging</i> , 2017 , 9, 1867-1884	5.6	139
157	LINE1 Derepression in Aged Wild-Type and SIRT6-Deficient Mice Drives Inflammation. <i>Cell Metabolism</i> , 2019 , 29, 871-885.e5	24.6	138
156	Stress-induced secretion of growth inhibitors: a novel tumor suppressor function of p53. <i>Oncogene</i> , 1998 , 17, 1089-96	9.2	130
155	Inflammation and p53: A Tale of Two Stresses. <i>Genes and Cancer</i> , 2011 , 2, 503-16	2.9	125
154	Cloning mammalian genes by expression selection of genetic suppressor elements: association of kinesin with drug resistance and cell immortalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 3744-8	11.5	120
153	Prospective therapeutic applications of p53 inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 726-36	3.4	119
152	AKT2 is frequently upregulated in HER-2/neu-positive breast cancers and may contribute to tumor aggressiveness by enhancing cell survival. <i>Oncogene</i> , 2002 , 21, 3532-40	9.2	119

151	Isolation of genetic suppressor elements, inducing resistance to topoisomerase II-interactive cytotoxic drugs, from human topoisomerase II cDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 3231-5	11.5	119
150	Weak p53 permits senescence during cell cycle arrest. <i>Cell Cycle</i> , 2010 , 9, 4323-7	4.7	116
149	c-Myc depletion inhibits proliferation of human tumor cells at various stages of the cell cycle. <i>Oncogene</i> , 2008 , 27, 1905-15	9.2	115
148	Rapamycin extends lifespan and delays tumorigenesis in heterozygous p53+/- mice. <i>Aging</i> , 2012 , 4, 709-14	5.6	114
147	A systematic search for downstream mediators of tumor suppressor function of p53 reveals a major role of BTG2 in suppression of Ras-induced transformation. <i>Genes and Development</i> , 2006 , 20, 236-52	12.6	113
146	Functional analysis and intracellular localization of p53 modified by SUMO-1. <i>Oncogene</i> , 2001 , 20, 2587-99	9.2	111
145	Poliovirus protein 3A inhibits tumor necrosis factor (TNF)-induced apoptosis by eliminating the TNF receptor from the cell surface. <i>Journal of Virology</i> , 2001 , 75, 10409-20	6.6	110
144	Cdk4 disruption renders primary mouse cells resistant to oncogenic transformation, leading to Arf/p53-independent senescence. <i>Genes and Development</i> , 2002 , 16, 2923-34	12.6	110
143	Cells exhibiting strong promoter activation in vivo display features of senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2603-2611	11.5	108
142	Genome-wide adaptive complexes to underground stresses in blind mole rats <i>Spalax</i> . <i>Nature Communications</i> , 2014 , 5, 3966	17.4	101
141	Different impact of p53 and p21 on the radiation response of mouse tissues. <i>Oncogene</i> , 2000 , 19, 3791-8	9.2	101
140	Differential association of products of alternative transcripts of the candidate tumor suppressor ING1 with the mSin3/HDAC1 transcriptional corepressor complex. <i>Journal of Biological Chemistry</i> , 2001 , 276, 8734-9	5.4	99
139	9-Aminoacridine-based anticancer drugs target the PI3K/AKT/mTOR, NF-kappaB and p53 pathways. <i>Oncogene</i> , 2009 , 28, 1151-61	9.2	95
138	p53 inhibitor pifithrin alpha can suppress heat shock and glucocorticoid signaling pathways. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15465-8	5.4	94
137	Central role of liver in anticancer and radioprotective activities of Toll-like receptor 5 agonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1857-66	11.5	93
136	Cancer resistance in the blind mole rat is mediated by concerted necrotic cell death mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19392-6	11.5	93
135	New nanoformulation of rapamycin Rapatar extends lifespan in homozygous p53-/- mice by delaying carcinogenesis. <i>Aging</i> , 2012 , 4, 715-22	5.6	89
134	Pathologies associated with the p53 response. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a001180.2	18.2	88

133	Proteolytic cleavage of the p65-RelA subunit of NF-kappaB during poliovirus infection. <i>Journal of Biological Chemistry</i> , 2005 , 280, 24153-8	5.4	88
132	Therapeutic targeting of the MYC signal by inhibition of histone chaperone FACT in neuroblastoma. <i>Science Translational Medicine</i> , 2015 , 7, 312ra176	17.5	86
131	Toll-like receptor 5 agonist protects mice from dermatitis and oral mucositis caused by local radiation: implications for head-and-neck cancer radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, 228-34	4	86
130	Secreted transforming growth factor beta2 activates NF-kappaB, blocks apoptosis, and is essential for the survival of some tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7112-7	11.5	85
129	p53 pathway in renal cell carcinoma is repressed by a dominant mechanism. <i>Cancer Research</i> , 2004 , 64, 1951-8	10.1	84
128	Association of Mycoplasma hominis infection with prostate cancer. <i>Oncotarget</i> , 2011 , 2, 289-97	3.3	81
127	Small-molecule multidrug resistance-associated protein 1 inhibitor reversan increases the therapeutic index of chemotherapy in mouse models of neuroblastoma. <i>Cancer Research</i> , 2009 , 69, 6573-80	10.1	79
126	Proteotoxic stress targeted therapy (PSTT): induction of protein misfolding enhances the antitumor effect of the proteasome inhibitor bortezomib. <i>Oncotarget</i> , 2011 , 2, 209-21	3.3	78
125	Identification of granulocyte colony-stimulating factor and interleukin-6 as candidate biomarkers of CBLB502 efficacy as a medical radiation countermeasure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 343, 497-508	4.7	75
124	Small-molecule activators of RNase L with broad-spectrum antiviral activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9585-90	11.5	70
123	Small molecules that dramatically alter multidrug resistance phenotype by modulating the substrate specificity of P-glycoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14078-83	11.5	70
122	Senescent cells expose and secrete an oxidized form of membrane-bound vimentin as revealed by a natural polyreactive antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1668-E1677	11.5	68
121	Validation-based insertional mutagenesis identifies lysine demethylase FBXL11 as a negative regulator of NFkappaB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16339-44	11.5	68
120	Chemoprotection from p53-dependent apoptosis: potential clinical applications of the p53 inhibitors. <i>Biochemical Pharmacology</i> , 2001 , 62, 657-67	6	67
119	Toll-like receptor-5 agonist, entolimod, suppresses metastasis and induces immunity by stimulating an NK-dendritic-CD8+ T-cell axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E874-83	11.5	66
118	p53 Involvement in the control of murine hair follicle regression. <i>American Journal of Pathology</i> , 2001 , 158, 1913-9	5.8	65
117	p53 is involved in tumor necrosis factor-alpha-induced apoptosis in the human prostatic carcinoma cell line LNCaP. <i>Oncogene</i> , 2000 , 19, 1959-68	9.2	63
116	Cellular quiescence caused by the Mdm2 inhibitor nutlin-3A. <i>Cell Cycle</i> , 2009 , 8, 3777-81	4.7	62

115	Involvement of MDR1 P-glycoprotein in multifactorial resistance to methotrexate. <i>International Journal of Cancer</i> , 1996 , 65, 613-9	7.5	62
114	p53 and the Carcinogenicity of Chronic Inflammation. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016 , 6,	5.4	60
113	Targeted disruption of the mouse ing1 locus results in reduced body size, hypersensitivity to radiation and elevated incidence of lymphomas. <i>Oncogene</i> , 2006 , 25, 857-66	9.2	60
112	Mycoplasma infection suppresses p53, activates NF-kappaB and cooperates with oncogenic Ras in rodent fibroblast transformation. <i>Oncogene</i> , 2008 , 27, 4521-31	9.2	59
111	Dangerous habits of a security guard: the two faces of p53 as a drug target. <i>Human Molecular Genetics</i> , 2007 , 16 Spec No 1, R67-72	5.6	58
110	Short-term inhibition of p53 combined with keratinocyte growth factor improves thymic epithelial cell recovery and enhances T-cell reconstitution after murine bone marrow transplantation. <i>Blood</i> , 2010 , 115, 1088-97	2.2	55
109	Down-regulation of p53 by double-stranded RNA modulates the antiviral response. <i>Journal of Virology</i> , 2005 , 79, 11105-14	6.6	55
108	Prevention and mitigation of acute radiation syndrome in mice by synthetic lipopeptide agonists of Toll-like receptor 2 (TLR2). <i>PLoS ONE</i> , 2012 , 7, e33044	3.7	55
107	Structure and regulation of the mouse ing1 gene. Three alternative transcripts encode two phd finger proteins that have opposite effects on p53 function. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32172-81	5.4	53
106	p53 determines multidrug sensitivity of childhood neuroblastoma. <i>Cancer Research</i> , 2007 , 67, 10351-60	10.1	51
105	Radioprotection: smart games with death. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2270-3	15.9	51
104	Inhibition of p53 response in tumor stroma improves efficacy of anticancer treatment by increasing antiangiogenic effects of chemotherapy and radiotherapy in mice. <i>Cancer Research</i> , 2006 , 66, 9356-61	10.1	49
103	CBLB613: a TLR 2/6 agonist, natural lipopeptide of Mycoplasma arginini , as a novel radiation countermeasure. <i>Radiation Research</i> , 2012 , 177, 628-42	3.1	48
102	Forward genetics in mammalian cells: functional approaches to gene discovery. <i>Human Molecular Genetics</i> , 1999 , 8, 1925-38	5.6	47
101	Distinguishing the immunostimulatory properties of noncoding RNAs expressed in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15154-9	11.5	45
100	Anti-malaria drug blocks proteotoxic stress response: anti-cancer implications. <i>Cell Cycle</i> , 2009 , 8, 3960-70	7.7	45
99	Targeting FACT complex suppresses mammary tumorigenesis in Her2/neu transgenic mice. <i>Cancer Prevention Research</i> , 2012 , 5, 1025-35	3.2	44
98	Could p53 be a target for therapeutic suppression?. <i>Seminars in Cancer Biology</i> , 1998 , 8, 389-400	12.7	44

97	A flagellin-derived toll-like receptor 5 agonist stimulates cytotoxic lymphocyte-mediated tumor immunity. <i>PLoS ONE</i> , 2014 , 9, e85587	3.7	42
96	High-throughput screening identifies Ceefourin 1 and Ceefourin 2 as highly selective inhibitors of multidrug resistance protein 4 (MRP4). <i>Biochemical Pharmacology</i> , 2014 , 91, 97-108	6	41
95	Expression of prostate specific antigen (PSA) is negatively regulated by p53. <i>Oncogene</i> , 2002 , 21, 153-7	9.2	41
94	Paradoxical role of apoptosis in tumor progression. <i>Journal of Cellular Biochemistry</i> , 2003 , 88, 128-37	4.7	39
93	Physiological frailty index (PFI): quantitative in-life estimate of individual biological age in mice. <i>Aging</i> , 2017 , 9, 615-626	5.6	39
92	The Toll-Like Receptor 5 Agonist Entolimod Mitigates Lethal Acute Radiation Syndrome in Non-Human Primates. <i>PLoS ONE</i> , 2015 , 10, e0135388	3.7	36
91	The Bloom syndrome protein interacts and cooperates with p53 in regulation of transcription and cell growth control. <i>Oncogene</i> , 2001 , 20, 8276-80	9.2	35
90	Different effect of proteasome inhibition on vesicular stomatitis virus and poliovirus replication. <i>PLoS ONE</i> , 2008 , 3, e1887	3.7	35
89	A small molecule inhibitor of p53 stimulates amplification of hematopoietic stem cells but does not promote tumor development in mice. <i>Cell Cycle</i> , 2010 , 9, 1434-43	4.7	34
88	The Toll-like receptor 5 agonist entolimod suppresses hepatic metastases in a murine model of ocular melanoma via an NK cell-dependent mechanism. <i>Oncotarget</i> , 2016 , 7, 2936-50	3.3	33
87	A TLR5 agonist inhibits acute renal ischemic failure. <i>Journal of Immunology</i> , 2011 , 187, 3831-9	5.3	32
86	Cell transforming genes and tumor progression: in vivo unified secondary phenotypic cell changes. <i>International Journal of Cancer</i> , 1998 , 75, 277-83	7.5	32
85	Combined stimulation of Toll-like receptor 5 and NOD1 strongly potentiates activity of NF- κ B, resulting in enhanced innate immune reactions and resistance to Salmonella enterica serovar Typhimurium infection. <i>Infection and Immunity</i> , 2013 , 81, 3855-64	3.7	31
84	Dominant negative form of signal-regulatory protein-alpha (SIRPalpha /SHPS-1) inhibits tumor necrosis factor-mediated apoptosis by activation of NF-kappa B. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3809-15	5.4	31
83	Elimination of proliferating cells unmasks the shift from senescence to quiescence caused by rapamycin. <i>PLoS ONE</i> , 2011 , 6, e26126	3.7	31
82	Selenium is a modulator of circadian clock that protects mice from the toxicity of a chemotherapeutic drug via upregulation of the core clock protein, BMAL1. <i>Oncotarget</i> , 2011 , 2, 1279-90 ^{3.3}	3.3	31
81	Inhibition of encephalomyocarditis virus and poliovirus replication by quinacrine: implications for the design and discovery of novel antiviral drugs. <i>Journal of Virology</i> , 2010 , 84, 9390-7	6.6	30
80	Sensitization of DNA damage-induced apoptosis by the proteasome inhibitor PS-341 is p53 dependent and involves target proteins 14-3-3sigma and survivin. <i>Molecular Cancer Therapeutics</i> , 2005 , 4, 1880-90	6.1	30

79	Anticancer drug candidate CBL0137, which inhibits histone chaperone FACT, is efficacious in preclinical orthotopic models of temozolomide-responsive and -resistant glioblastoma. <i>Neuro-Oncology</i> , 2017 , 19, 186-196	1	30
78	A purine nucleotide biosynthesis enzyme guanosine monophosphate reductase is a suppressor of melanoma invasion. <i>Cell Reports</i> , 2013 , 5, 493-507	10.6	29
77	Impact papers on aging in 2009. <i>Aging</i> , 2010 , 2, 111-21	5.6	29
76	Toll-like receptor-5 agonist Entolimod broadens the therapeutic window of 5-fluorouracil by reducing its toxicity to normal tissues in mice. <i>Oncotarget</i> , 2014 , 5, 802-14	3.3	28
75	Mitigation of Radiation-Induced Epithelial Damage by the TLR5 Agonist Entolimod in a Mouse Model of Fractionated Head and Neck Irradiation. <i>Radiation Research</i> , 2017 , 187, 570-580	3.1	27
74	Localization of the candidate tumor suppressor gene ING1 to human chromosome 13q34. <i>Somatic Cell and Molecular Genetics</i> , 1997 , 23, 233-6		27
73	Poliovirus protein 3A binds and inactivates LIS1, causing block of membrane protein trafficking and deregulation of cell division. <i>Cell Cycle</i> , 2005 , 4, 1403-10	4.7	27
72	Prostate cancer cells tolerate a narrow range of androgen receptor expression and activity. <i>Prostate</i> , 2007 , 67, 1801-15	4.2	26
71	Melanoma cells can tolerate high levels of transcriptionally active endogenous p53 but are sensitive to retrovirus-transduced p53. <i>Oncogene</i> , 2003 , 22, 4911-7	9.2	25
70	Apoptosis inhibitor as a suppressor of tumor progression: expression of Bcl-2 eliminates selective advantages for p53-deficient cells in the tumor. <i>Cancer Biology and Therapy</i> , 2002 , 1, 39-44	4.6	25
69	Dysregulation of the mTOR pathway in p53-deficient mice. <i>Cancer Biology and Therapy</i> , 2013 , 14, 1182-84.6		24
68	A TLR5 agonist enhances CD8(+) T cell-mediated graft-versus-tumor effect without exacerbating graft-versus-host disease. <i>Journal of Immunology</i> , 2012 , 189, 4719-27	5.3	23
67	Applications of green fluorescent protein as a marker of retroviral vectors. <i>Somatic Cell and Molecular Genetics</i> , 1997 , 23, 325-40		23
66	Microarray analysis of p53-mediated transcription: multi-thousand piece puzzle or invitation to collective thinking. <i>Cancer Biology and Therapy</i> , 2003 , 2, 444-5	4.6	23
65	Functional genetic screen for genes involved in senescence: role of Tid1, a homologue of the Drosophila tumor suppressor l(2)tid, in senescence and cell survival. <i>Molecular and Cellular Biology</i> , 2004 , 24, 10792-801	4.8	23
64	Powerful Complex Immunoadjuvant Based on Synergistic Effect of Combined TLR4 and NOD2 Activation Significantly Enhances Magnitude of Humoral and Cellular Adaptive Immune Responses. <i>PLoS ONE</i> , 2016 , 11, e0155650	3.7	23
63	Histone methyltransferase KMT1A restrains entry of alveolar rhabdomyosarcoma cells into a myogenic differentiated state. <i>Cancer Research</i> , 2011 , 71, 3921-31	10.1	22
62	Ribonucleotide reductase and thymidylate synthase or exogenous deoxyribonucleosides reduce DNA damage and senescence caused by C-MYC depletion. <i>Aging</i> , 2012 , 4, 917-22	5.6	22

61	Quinacrine inhibits the epidermal dendritic cell migration initiating T cell-mediated skin inflammation. <i>European Journal of Immunology</i> , 2007 , 37, 2257-67	6.1	21
60	Expression of erbB receptors and their ligands in breast cancer: implications to biological behavior and therapeutic response. <i>Breast Disease</i> , 2000 , 11, 63-75	1.6	20
59	Quantitative characterization of biological age and frailty based on locomotor activity records. <i>Aging</i> , 2018 , 10, 2973-2990	5.6	20
58	TRAIN (Transcription of Repeats Activates INterferon) in response to chromatin destabilization induced by small molecules in mammalian cells. <i>ELife</i> , 2018 , 7,	8.9	19
57	A review of the biomedical innovations for healthy longevity. <i>Aging</i> , 2017 , 9, 7-25	5.6	18
56	Functional genetic screening reveals the role of mitochondrial cytochrome b as a mediator of FAS-induced apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14453-8	11.5	18
55	Falkor, a novel cell growth regulator isolated by a functional genetic screen. <i>Oncogene</i> , 2002 , 21, 6713-24	9.2	18
54	Suppression of apoptosis by bcl-2 does not prevent p53-mediated control of experimental metastasis and anchorage dependence. <i>Oncogene</i> , 1997 , 15, 3007-12	9.2	17
53	Bisindolylmaleimide IX facilitates tumor necrosis factor receptor family-mediated cell death and acts as an inhibitor of transcription. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33213-9	5.4	17
52	Longitudinal analysis of blood markers reveals progressive loss of resilience and predicts human lifespan limit. <i>Nature Communications</i> , 2021 , 12, 2765	17.4	17
51	Murine mesenchymal cells that express elevated levels of the CDK inhibitor p16(Ink4a) in vivo are not necessarily senescent. <i>Cell Cycle</i> , 2017 , 16, 1526-1533	4.7	15
50	The ability of protein tyrosine phosphatase SHP-1 to suppress NFkappaB can be inhibited by dominant negative mutant of SIRPalpha. <i>DNA and Cell Biology</i> , 2004 , 23, 175-82	3.6	15
49	Serologically defined colon cancer antigen 3 is necessary for the presentation of TNF receptor 1 on cell surface. <i>DNA and Cell Biology</i> , 2005 , 24, 777-85	3.6	15
48	Isolation of genetic suppressor elements (GSEs) from random fragment cDNA libraries in retroviral vectors. <i>Methods in Molecular Biology</i> , 1997 , 69, 221-40	1.4	15
47	Small molecule screening reveals a transcription-independent pro-survival function of androgen receptor in castration-resistant prostate cancer. <i>Cell Cycle</i> , 2009 , 8, 4155-67	4.7	14
46	Peptides genetically selected for NF-B activation cooperate with oncogene Ras and model carcinogenic role of inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E474-83	11.5	13
45	Inhibition of human parainfluenza virus type 3 infection by novel small molecules. <i>Antiviral Research</i> , 2008 , 77, 83-94	10.8	13
44	OT-82, a novel anticancer drug candidate that targets the strong dependence of hematological malignancies on NAD biosynthesis. <i>Leukemia</i> , 2020 , 34, 1828-1839	10.7	13

43	Potent antileukemic activity of curaxin CBL0137 against MLL-rearranged leukemia. <i>International Journal of Cancer</i> , 2020 , 146, 1902-1916	7.5	13
42	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. <i>Oncogene</i> , 2019 , 38, 3824-3842	9.2	12
41	Quercetinase pirin makes poliovirus replication resistant to flavonoid quercetin. <i>DNA and Cell Biology</i> , 2008 , 27, 191-8	3.6	12
40	Initial testing (stage 1) of the curaxin CBL0137 by the pediatric preclinical testing program. <i>Pediatric Blood and Cancer</i> , 2017 , 64, e26263	3	11
39	Preclinical Validation of a Single-Treatment Infusion Modality That Can Eradicate Extremity Melanomas. <i>Cancer Research</i> , 2016 , 76, 6620-6630	10.1	11
38	TLR5 agonist entolimod reduces the adverse toxicity of TNF while preserving its antitumor effects. <i>PLoS ONE</i> , 2020 , 15, e0227940	3.7	10
37	Small-molecule xenomycins inhibit all stages of the Plasmodium life cycle. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 1427-34	5.9	10
36	Effective targeting of NAMPT in patient-derived xenograft models of high-risk pediatric acute lymphoblastic leukemia. <i>Leukemia</i> , 2020 , 34, 1524-1539	10.7	9
35	Identification of low-molecular weight inhibitors of HIV-1 reverse transcriptase using a cell-based high-throughput screening system. <i>Antiviral Research</i> , 2011 , 91, 94-8	10.8	8
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33	CCI-007, a novel small molecule with cytotoxic activity against infant leukemia with MLL rearrangements. <i>Oncotarget</i> , 2016 , 7, 46067-46087	3.3	8
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