Jerry W Shay

List of Publications by Citations

296 papers	32,025 citations	89 h-index	175 g-index
348 ext. papers	35,676 ext. citations	10.2 avg, IF	7.38 L-index

#	Paper	IF	Citations
296	Extension of life-span by introduction of telomerase into normal human cells. *Science*, **1998**, 279, 349-52	33.3	3979
295	BRAFE600-associated senescence-like cell cycle arrest of human naevi. *Nature*, **2005**, 436, 720-4	50.4	1659
294	Telomerase activity in human germline and embryonic tissues and cells. *Genesis*, **1996**, 18, 173-9		946
293	Reconstitution of human telomerase with the template RNA component hTR and the catalytic protein subunit hTRT. *Nature Genetics*, **1997**, 17, 498-502	36.3	797
292	Absence of cancer-associated changes in human fibroblasts immortalized with telomerase. *Nature Genetics*, **1999**, 21, 115-8	36.3	673
291	Adult-onset pulmonary fibrosis caused by mutations in telomerase. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7552-7	11.5	618
290	Human telomerase and its regulation. *Microbiology and Molecular Biology Reviews*, **2002**, 66, 407-25, table of contents	13.2	609
289	Senescence and immortalization: role of telomeres and telomerase. *Carcinogenesis*, **2005**, 26, 867-74	4.6	538
288	Correlating telomerase activity levels with human neuroblastoma outcomes. *Nature Medicine*, **1995**, 1, 249-55	50.5	532
287	Immortalization of human bronchial epithelial cells in the absence of viral oncoproteins. *Cancer Research*, **2004**, 64, 9027-34	10.1	498
286	Modifications of a telomeric repeat amplification protocol (TRAP) result in increased reliability, linearity and sensitivity. *Nucleic Acids Research*, **1995**, 23, 3794-5	20.1	435
285	Hallmarks of senescence in carcinogenesis and cancer therapy. *Oncogene*, **2004**, 23, 2919-33	9.2	420
284	Hayflick, his limit, and cellular ageing. *Nature Reviews Molecular Cell Biology*, **2000**, 1, 72-6	48.7	413
283	Telomerase activity in small-cell and non-small-cell lung cancers. *Journal of the National Cancer Institute*, **1995**, 87, 895-902	9.7	391
282	Telomere dysfunction: a potential cancer predisposition factor. *Journal of the National Cancer Institute*, **2003**, 95, 1211-8	9.7	381
281	Telomere position effect in human cells. *Science*, **2001**, 292, 2075-7	33.3	360
280	Putative telomere-independent mechanisms of replicative aging reflect inadequate growth conditions. *Genes and Development*, **2001**, 15, 398-403	12.6	347

279	Role of telomeres and telomerase in cancer. *Seminars in Cancer Biology*, **2011**, 21, 349-53	12.7	344
278	Telomere dynamics in cancer progression and prevention: fundamental differences in human and mouse telomere biology. *Nature Medicine*, **2000**, 6, 849-51	50.5	331
277	Telomerase therapeutics for cancer: challenges and new directions. *Nature Reviews Drug Discovery*, **2006**, 5, 577-84	64.1	330
276	Role of Telomeres and Telomerase in Aging and Cancer. *Cancer Discovery*, **2016**, 6, 584-93	24.4	325
275	The two-stage mechanism controlling cellular senescence and immortalization. *Experimental Gerontology*, **1992**, 27, 383-9	4.5	315
274	Aldehyde dehydrogenase activity selects for lung adenocarcinoma stem cells dependent on notch signaling. *Cancer Research*, **2010**, 70, 9937-48	10.1	314
273	Inhibition of human telomerase activity by peptide nucleic acids. *Nature Biotechnology*, **1996**, 14, 615-9	44.5	314
272	Roles of telomeres and telomerase in cancer, and advances in telomerase-targeted therapies. *Genome Medicine*, **2016**, 8, 69	14.4	307
271	Historical claims and current interpretations of replicative aging. *Nature Biotechnology*, **2002**, 20, 682-8	44.5	304
270	Telomerase: a target for cancer therapeutics. *Cancer Cell*, **2002**, 2, 257-65	24.3	285
269	Exome sequencing links mutations in PARN and RTEL1 with familial pulmonary fibrosis and telomere shortening. *Nature Genetics*, **2015**, 47, 512-7	36.3	279
268	Telomerase and differentiation in multicellular organisms: turn it off, turn it on, and turn it off again. *Differentiation*, **2002**, 69, 188-97	3.5	279
267	Telomerase activity in human cancer. *Current Opinion in Oncology*, **1996**, 8, 66-71	4.2	278
266	Detection of telomerase activity in human cells and tumors by a telomeric repeat amplification protocol (TRAP). *Cytotechnology*, **1995**, 17, 1-15		272
265	Comparative biology of mammalian telomeres: hypotheses on ancestral states and the roles of telomeres in longevity determination. *Aging Cell*, **2011**, 10, 761-8	9.9	264
264	Telomeres and telomerase: three decades of progress. *Nature Reviews Genetics*, **2019**, 20, 299-309	30.1	260
263	Cellular senescence as a tumor-protection mechanism: the essential role of counting. *Current Opinion in Genetics and Development*, **2001**, 11, 98-103	4.9	247
262	POT1 protects telomeres from a transient DNA damage response and determines how human chromosomes end. *EMBO Journal*, **2005**, 24, 2667-78	13	235

261	Quantitation of the frequency of immortalization of normal human diploid fibroblasts by SV40 large T-antigen. *Experimental Cell Research*, **1989**, 184, 109-18	4.2	235
260	Does a sentinel or a subset of short telomeres determine replicative senescence?. *Molecular Biology of the Cell*, **2004**, 15, 3709-18	3.5	231
259	Characterization of paired tumor and non-tumor cell lines established from patients with breast cancer. *International Journal of Cancer*, **1998**, 78, 766-74	7.5	224
258	Multiple oncogenic changes (K-RAS(V12), p53 knockdown, mutant EGFRs, p16 bypass, telomerase) are not sufficient to confer a full malignant phenotype on human bronchial epithelial cells. *Cancer Research*, **2006**, 66, 2116-28	10.1	223
257	In vivo inhibition of lung cancer by GRN163L: a novel human telomerase inhibitor. *Cancer Research*, **2005**, 65, 7866-73	10.1	218
256	hTERT associates with human telomeres and enhances genomic stability and DNA repair. *Oncogene*, **2003**, 22, 131-46	9.2	208
255	Cellular senescence in human myoblasts is overcome by human telomerase reverse transcriptase and cyclin-dependent kinase 4: consequences in aging muscle and therapeutic strategies for muscular dystrophies. *Aging Cell*, **2007**, 6, 515-23	9.9	201
254	Subsenescent telomere lengths in fibroblasts immortalized by limiting amounts of telomerase. *Journal of Biological Chemistry*, **2000**, 275, 10072-6	5.4	196
253	Telomere shortening is proportional to the size of the G-rich telomeric 3Poverhang. *Journal of Biological Chemistry*, **2000**, 275, 19719-22	5.4	192
252	Lipid modification of GRN163, an N3P->P5Pthio-phosphoramidate oligonucleotide, enhances the potency of telomerase inhibition. *Oncogene*, **2005**, 24, 5262-8	9.2	184
251	Nonradioactive detection of telomerase activity using the telomeric repeat amplification protocol. *Nature Protocols*, **2006**, 1, 1583-90	18.8	182
250	Actions of human telomerase beyond telomeres. *Cell Research*, **2008**, 18, 725-32	24.7	179
249	Telomere position effect: regulation of gene expression with progressive telomere shortening over long distances. *Genes and Development*, **2014**, 28, 2464-76	12.6	178
248	Telomere-end processing the terminal nucleotides of human chromosomes. *Molecular Cell*, **2005**, 18, 131-8	17.6	172
247	Telomere extension occurs at most chromosome ends and is uncoupled from fill-in in human cancer cells. *Cell*, **2009**, 138, 463-75	56.2	171
246	Telomerase inhibitors. *Trends in Biotechnology*, **2001**, 19, 114-20	15.1	169
245	Role of telomerase in cellular proliferation and cancer. *Journal of Cellular Physiology*, **1999**, 180, 10-8	7	166
244	The telomerase antagonist, imetelstat, efficiently targets glioblastoma tumor-initiating cells leading to decreased proliferation and tumor growth. *Clinical Cancer Research*, **2010**, 16, 154-63	12.9	165

243	Telomeric recombination in mismatch repair deficient human colon cancer cells after telomerase inhibition. *Cancer Research*, **2004**, 64, 3444-51	10.1	161
242	Telomeres and telomerase in normal and cancer stem cells. *FEBS Letters*, **2010**, 584, 3819-25	3.8	155
241	An alternate splicing variant of the human telomerase catalytic subunit inhibits telomerase activity. *Neoplasia*, **2000**, 2, 433-40	6.4	153
240	Developmental differences in the immortalization of lung fibroblasts by telomerase. *Aging Cell*, **2003**, 2, 235-43	9.9	141
239	Multiple Roles of APC and its Therapeutic Implications in Colorectal Cancer. *Journal of the National Cancer Institute*, **2017**, 109,	9.7	137
238	Human lung epithelial cells progressed to malignancy through specific oncogenic manipulations. *Molecular Cancer Research*, **2013**, 11, 638-50	6.6	135
237	Evidence for self-renewing lung cancer stem cells and their implications in tumor initiation, progression, and targeted therapy. *Cancer and Metastasis Reviews*, **2010**, 29, 61-72	9.6	133
236	Telomerase regulation: not just flipping the switch. *Current Opinion in Genetics and Development*, **2002**, 12, 80-5	4.9	130
235	Human diseases of telomerase dysfunction: insights into tissue aging. *Nucleic Acids Research*, **2007**, 35, 7406-16	20.1	129
234	Defining the molecular mechanisms of human cell immortalization. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **1991**, 1072, 1-7	11.2	129
233	Telomerase activity concentrates in the mitotically active segments of human hair follicles. *Journal of Investigative Dermatology*, **1997**, 108, 113-7	4.3	128
232	Immortalized epithelial cells derived from human colon biopsies express stem cell markers and differentiate in vitro. *Gastroenterology*, **2010**, 138, 1012-21.e1-5	13.3	127
231	Telomere biology in Metazoa. *FEBS Letters*, **2010**, 584, 3741-51	3.8	127
230	Telomerase in cancer and aging. *Critical Reviews in Oncology/Hematology*, **2002**, 41, 29-40	7	124
229	Telomerase activity in ordinary meningiomas predicts poor outcome. *Human Pathology*, **1997**, 28, 416-20	3.7	119
228	Cell biology of disease: Telomeropathies: an emerging spectrum disorder. *Journal of Cell Biology*, **2014**, 205, 289-99	7.3	118
227	Immunohistochemical detection of telomerase (hTERT) protein in human cancer tissues and a subset of cells in normal tissues. *Neoplasia*, **2001**, 3, 17-26	6.4	117
226	Restoration of the cellular senescence program and repression of telomerase by human chromosome 3. *Japanese Journal of Cancer Research*, **1995**, 86, 899-904		114

225	Transient expression of human telomerase extends the life span of normal human fibroblasts. *Biochemical and Biophysical Research Communications*, **2000**, 273, 1095-8	3.4	113
224	Time, telomeres and tumours: is cellular senescence more than an anticancer mechanism?. *Trends in Cell Biology*, **1995**, 5, 293-7	18.3	112
223	Targeting of Nrf2 induces DNA damage signaling and protects colonic epithelial cells from ionizing radiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2949-55	11.5	107
222	The telomerase inhibitor imetelstat depletes cancer stem cells in breast and pancreatic cancer cell lines. *Cancer Research*, **2010**, 70, 9494-504	10.1	105
221	Alternative Lengthening of Telomeres Mediated by Mitotic DNA Synthesis Engages Break-Induced Replication Processes. *Molecular and Cellular Biology*, **2017**, 37,	4.8	104
220	Telomerase in human development and cancer. *Journal of Cellular Physiology*, **1997**, 173, 266-70	7	104
219	Mitochondrial transformation of mammalian cells. *Nature*, **1982**, 295, 605-7	50.4	103
218	The reactivation of telomerase activity in cancer progression. *Trends in Genetics*, **1996**, 12, 129-31	8.5	102
217	Oligonucleotide N3P->P5Pphosphoramidates as efficient telomerase inhibitors. *Oncogene*, **2002**, 21, 638-42	9.2	100
216	Cancer. Cancer and telomeres--an ALTernative to telomerase. *Science*, **2012**, 336, 1388-90	33.3	99
215	Effects of a novel telomerase inhibitor, GRN163L, in human breast cancer. *Breast Cancer Research and Treatment*, **2006**, 96, 73-81	4.4	99
214	Regulation of the Human Telomerase Gene TERT by Telomere Position Effect-Over Long Distances (TPE-OLD): Implications for Aging and Cancer. *PLoS Biology*, **2016**, 14, e2000016	9.7	96
213	Reflections on telomere dynamics and ageing-related diseases in humans. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	95
212	Telomeres and telomerase: implications for cancer and aging. *Radiation Research*, **2001**, 155, 188-193	3.1	94
211	Comparison of the telomeric repeat amplification protocol (TRAP) to the new TRAP-eze telomerase detection kit. *Cytotechnology*, **1996**, 18, 237-248		94
210	Comparison of telomere length measurement methods. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	93
209	Identification of determinants for inhibitor binding within the RNA active site of human telomerase using PNA scanning. *Biochemistry*, **1997**, 36, 11873-80	3.2	92
208	Human Ku70/80 associates physically with telomerase through interaction with hTERT. *Journal of Biological Chemistry*, **2002**, 277, 47242-7	5.4	90

207	Telomere-associated aging disorders. *Ageing Research Reviews*, **2017**, 33, 52-66	12	86
206	Telomere dynamics in macaques and humans. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 367-74	6.4	84
205	Aging and cancer: are telomeres and telomerase the connection?. *Trends in Molecular Medicine*, **1995**, 1, 378-84		82
204	Quantitative telomerase enzyme activity determination using droplet digital PCR with single cell resolution. *Nucleic Acids Research*, **2014**, 42, e104	20.1	81
203	Characterization of ataxia telangiectasia fibroblasts with extended life-span through telomerase expression. *Oncogene*, **2001**, 20, 278-88	9.2	81
202	Lamin A/C depletion enhances DNA damage-induced stalled replication fork arrest. *Molecular and Cellular Biology*, **2013**, 33, 1210-22	4.8	80
201	Telomere biology and cellular aging in nonhuman primate cells. *Experimental Cell Research*, **2002**, 272, 146-52	4.2	80
200	Quantitative telomeric overhang determination using a double-strand specific nuclease. *Nucleic Acids Research*, **2008**, 36, e14	20.1	79
199	Galactic cosmic ray simulation at the NASA Space Radiation Laboratory. *Life Sciences in Space Research*, **2016**, 8, 38-51	2.4	78
198	A three-dimensional model of differentiation of immortalized human bronchial epithelial cells. *Differentiation*, **2006**, 74, 141-8	3.5	77
197	Bypass of telomere-dependent replicative senescence (M1) upon overexpression of Cdk4 in normal human epithelial cells. *Oncogene*, **2003**, 22, 433-44	9.2	77
196	Clustered telomeres in phase-separated nuclear condensates engage mitotic DNA synthesis through BLM and RAD52. *Genes and Development*, **2019**, 33, 814-827	12.6	74
195	Telomere position effect regulates DUX4 in human facioscapulohumeral muscular dystrophy. *Nature Structural and Molecular Biology*, **2013**, 20, 671-8	17.6	74
194	Induction of telomere dysfunction mediated by the telomerase substrate precursor 6-thio-2Pdeoxyguanosine. *Cancer Discovery*, **2015**, 5, 82-95	24.4	72
193	Telomeres and aging. *Current Opinion in Cell Biology*, **2018**, 52, 1-7	9	72
192	Comparison of DNA Quantification Methods for Next Generation Sequencing. *Scientific Reports*, **2016**, 6, 24067	4.9	71
191	Telomere length regulates ISG15 expression in human cells. *Aging*, **2009**, 1, 608-21	5.6	71
190	Alternative splicing regulation of telomerase: a new paradigm?. *Trends in Genetics*, **2014**, 30, 430-8	8.5	69

189	Heterogeneous nuclear ribonucleoproteins C1 and C2 associate with the RNA component of human telomerase. *Molecular and Cellular Biology*, **2000**, 20, 9084-91	4.8	67
188	Mutations, Cancer and the Telomere Length Paradox. *Trends in Cancer*, **2017**, 3, 253-258	12.5	66
187	Antiadhesive effects of GRN163L--an oligonucleotide N3P>P5Pthio-phosphoramidate targeting telomerase. *Cancer Research*, **2007**, 67, 1121-9	10.1	66
186	Telomerase can inhibit the recombination-based pathway of telomere maintenance in human cells. *Journal of Biological Chemistry*, **2001**, 276, 32198-203	5.4	66
185	MYC promotes tryptophan uptake and metabolism by the kynurenine pathway in colon cancer. *Genes and Development*, **2019**, 33, 1236-1251	12.6	65
184	Early and late steps in telomere overhang processing in normal human cells: the position of the final RNA primer drives telomere shortening. *Genes and Development*, **2012**, 26, 1167-78	12.6	64
183	A method for measuring the distribution of the shortest telomeres in cells and tissues. *Nature Communications*, **2017**, 8, 1356	17.4	63
182	Aging. When do telomeres matter?. *Science*, **2001**, 291, 839-40	33.3	61
181	Resveratrol reverses the Warburg effect by targeting the pyruvate dehydrogenase complex in colon cancer cells. *Scientific Reports*, **2017**, 7, 6945	4.9	58
180	Concepts and challenges in cancer risk prediction for the space radiation environment. *Life Sciences in Space Research*, **2015**, 6, 92-103	2.4	57
179	hTERT promotes tumor angiogenesis by activating VEGF via interactions with the Sp1 transcription factor. *Nucleic Acids Research*, **2016**, 44, 8693-8703	20.1	57
178	Homologous recombination in human telomerase-positive and ALT cells occurs with the same frequency. *EMBO Reports*, **2003**, 4, 1138-43	6.5	56
177	SORBS2 transcription is activated by telomere position effect-over long distance upon telomere shortening in muscle cells from patients with facioscapulohumeral dystrophy. *Genome Research*, **2015**, 25, 1781-90	9.7	55
176	Telomerase activity and expression of its RNA component in cervical lesions. *Cancer*, **1998**, 82, 1319-1327	6.4	55
175	KIF14 promotes AKT phosphorylation and contributes to chemoresistance in triple-negative breast cancer. *Neoplasia*, **2014**, 16, 247-56, 256.e2	6.4	54
174	Targeting telomerase-expressing cancer cells. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 1433-43	5.3	54
173	Modification of subtelomeric DNA. *Molecular and Cellular Biology*, **2004**, 24, 4571-80	4.8	53
172	The effects of telomerase inhibition on prostate tumor-initiating cells. *International Journal of Cancer*, **2010**, 127, 321-31	7.5	52

171	Telomere shortening and decline in replicative potential as a function of donor age in human adrenocortical cells. *Mechanisms of Ageing and Development*, **2001**, 122, 1685-94	5.6	52
170	Multipotent capacity of immortalized human bronchial epithelial cells. *PLoS ONE*, **2011**, 6, e22023	3.7	51
169	Disruption of Wnt/β-Catenin Signaling and Telomeric Shortening Are Inextricable Consequences of Tankyrase Inhibition in Human Cells. *Molecular and Cellular Biology*, **2015**, 35, 2425-35	4.8	50
168	Mechanism-based combination telomerase inhibition therapy. *Cancer Cell*, **2005**, 7, 1-2	24.3	50
167	Telomerase activity during spontaneous immortalization of Li-Fraumeni syndrome skin fibroblasts. *Oncogene*, **1998**, 17, 709-17	9.2	49
166	Regulation of telomerase alternative splicing: a target for chemotherapy. *Cell Reports*, **2013**, 3, 1028-35	10.6	47
165	A targeted RNAi screen of the breast cancer genome identifies KIF14 and TLN1 as genes that modulate docetaxel chemosensitivity in triple-negative breast cancer. *Clinical Cancer Research*, **2013**, 19, 2061-70	12.9	46
164	Morphological correlates of adrenocorticotropin-stimulated steroidogenesis in cultured adrenocortical cells: differences between bovine and human adrenal cells. *Endocrinology*, **1983**, 113, 48-54	4.8	43
163	Long-term culture and cloning of primary human bronchial basal cells that maintain multipotent differentiation capacity and CFTR channel function. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2018**, 315, L313-L327	5.8	42
162	MLH1 Deficiency-Triggered DNA Hyperexcision by Exonuclease 1 Activates the cGAS-STING Pathway. *Cancer Cell*, **2021**, 39, 109-121.e5	24.3	42
161	Asynchronous replication timing of telomeres at opposite arms of mammalian chromosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12928-33	11.5	41
160	Human telomerase can immortalize Indian muntjac cells. *Experimental Cell Research*, **2002**, 281, 63-76	4.2	40
159	Purkinje cell-specific males absent on the first (mMof) gene deletion results in an ataxia-telangiectasia-like neurological phenotype and backward walking in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3636-41	11.5	39
158	Genomic instability and telomerase activity in human bronchial epithelial cells during immortalization by human papillomavirus-16 E6 and E7 genes. *Experimental Cell Research*, **1997**, 235, 245-53	4.2	38
157	Analysis of telomeres and telomerase. *Current Protocols in Cell Biology*, **2003**, Chapter 18, Unit 18.6	2.3	38
156	Telomere length and telomerase activity in T cells are biomarkers of high-performing centenarians. *Aging Cell*, **2019**, 18, e12859	9.9	37
155	Selective targeting of mutant adenomatous polyposis coli (APC) in colorectal cancer. *Science Translational Medicine*, **2016**, 8, 361ra140	17.5	36
154	Irreparable complex DNA double-strand breaks induce chromosome breakage in organotypic three-dimensional human lung epithelial cell culture. *Nucleic Acids Research*, **2011**, 39, 5474-88	20.1	36

153	The La antigen associates with the human telomerase ribonucleoprotein and influences telomere length in vivo. *Rna*, **2001**, 7, 1068-75	5.8	36
152	Quantitative mitochondrial DNA copy number determination using droplet digital PCR with single-cell resolution. *Genome Research*, **2019**, 29, 1878-1888	9.7	35
151	Enhanced detection of human telomerase activity. *DNA and Cell Biology*, **1998**, 17, 217-9	3.6	35
150	NOVA1 regulates hTERT splicing and cell growth in non-small cell lung cancer. *Nature Communications*, **2018**, 9, 3112	17.4	34
149	Telomerase targeted oligonucleotide thio-phosphoramidates in T24-luc bladder cancer cells. *Journal of Cellular Biochemistry*, **2008**, 104, 444-52	4.7	34
148	Long-range telomere regulation of gene expression: Telomere looping and telomere position effect over long distances (TPE-OLD). *Differentiation*, **2018**, 99, 1-9	3.5	34
147	The Metastatic Potential and Chemoresistance of Human Pancreatic Cancer Stem Cells. *PLoS ONE*, **2016**, 11, e0148807	3.7	33
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145	The RNA component of telomerase as a marker of biologic potential and clinical outcome in childhood neuroblastic tumors **1999**, 85, 741-749		32
144	Telomerase therapeutics: telomeres recognized as a DNA damage signal: commentary re: K. Kraemer et al., antisense-mediated hTERT inhibition specifically reduces the growth of human bladder cancer cells. Clin. Cancer Res., 9: 3794-3800, 2003. *Clinical Cancer Research*, **2003**, 9, 3521-5	12.9	32
143	Use of telomerase to create bioengineered tissues. *Annals of the New York Academy of Sciences*, **2005**, 1057, 479-91	6.5	31
142	Telomerase Repeated Amplification Protocol (TRAP). *Bio-protocol*, **2015**, 5,	0.9	31
141	T-cell-specific deletion of Mof blocks their differentiation and results in genomic instability in mice. *Mutagenesis*, **2013**, 28, 263-70	2.8	30
140	Pancreatic cancer stem cells: fact or fiction?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 248-59	6.9	30
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136	Exploiting TERT dependency as a therapeutic strategy for NRAS-mutant melanoma. *Oncogene*, **2018**, 37, 4058-4072	9.2	28

135	Telomerase activity as a marker of breast carcinoma in fine-needle aspirated samples. *Cancer*, **2000**, 90, 235-238	6.4	27
134	Progenitor cell line (hPheo1) derived from a human pheochromocytoma tumor. *PLoS ONE*, **2013**, 8, e65634	3.7	27
133	Relative Biological Effectiveness of Energetic Heavy Ions for Intestinal Tumorigenesis Shows Male Preponderance and Radiation Type and Energy Dependence in APC(1638N/+) Mice. *International Journal of Radiation Oncology Biology Physics*, **2016**, 95, 131-138	4	26
132	Seeding drug discovery: integrating telomerase cancer biology and cellular senescence to uncover new therapeutic opportunities in targeting cancer stem cells. *Drug Discovery Today*, **2007**, 12, 611-21	8.8	26
131	Telomere length-dependent transcription and epigenetic modifications in promoters remote from telomere ends. *PLoS Genetics*, **2018**, 14, e1007782	6	26
130	Impaired telomere maintenance in Alazami syndrome patients with LARP7 deficiency. *BMC Genomics*, **2016**, 17, 749	4.5	25
129	CDDO-Me protects against space radiation-induced transformation of human colon epithelial cells. *Radiation Research*, **2010**, 174, 27-36	3.1	25
128	Immortalization of human mammary epithelial cells by SV40 large T-antigen involves a two step mechanism. *In Vitro Cellular and Developmental Biology - Animal*, **1993**, 29A, 180-2	2.6	25
127	Telomere Restriction Fragment (TRF) Analysis. *Bio-protocol*, **2015**, 5,	0.9	25
126	Branching morphogenesis of immortalized human bronchial epithelial cells in three-dimensional culture. *Differentiation*, **2014**, 87, 119-26	3.5	24
125	Imetelstat (a telomerase antagonist) exerts off-target effects on the cytoskeleton. *International Journal of Oncology*, **2013**, 42, 1709-15	4.4	24
124	Functional parsing of driver mutations in the colorectal cancer genome reveals numerous suppressors of anchorage-independent growth. *Cancer Research*, **2011**, 71, 4359-65	10.1	24
123	Telomeres are double-strand DNA breaks hidden from DNA damage responses. *Molecular Cell*, **2004**, 14, 420-1	17.6	24
122	NOVA1 directs PTBP1 to hTERT pre-mRNA and promotes telomerase activity in cancer cells. *Oncogene*, **2019**, 38, 2937-2952	9.2	24
121	Induced Telomere Damage to Treat Telomerase Expressing Therapy-Resistant Pediatric Brain Tumors. *Molecular Cancer Therapeutics*, **2018**, 17, 1504-1514	6.1	23
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118	c9orf72 Disease-Related Foci Are Each Composed of One Mutant Expanded Repeat RNA. *Cell Chemical Biology*, **2017**, 24, 141-148	8.2	22

117	Telomerase-Mediated Strategy for Overcoming Non-Small Cell Lung Cancer Targeted Therapy and Chemotherapy Resistance. *Neoplasia*, **2018**, 20, 826-837	6.4	22
116	Regulation of human telomerase splicing by RNA:RNA pairing. *Nature Communications*, **2014**, 5, 3306	17.4	22
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112	In perspective: An update on telomere targeting in cancer. *Molecular Carcinogenesis*, **2019**, 58, 1581-1588		21
111	Induction of Telomere Dysfunction Prolongs Disease Control of Therapy-Resistant Melanoma. *Clinical Cancer Research*, **2018**, 24, 4771-4784	12.9	21
110	Radiation-enhanced lung cancer progression in a transgenic mouse model of lung cancer is predictive of outcomes in human lung and breast cancer. *Clinical Cancer Research*, **2014**, 20, 1610-22	12.9	21
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108	Expression of telomerase RNA component correlates with the MIB-1 proliferation index in ependymomas. *Journal of Neuropathology and Experimental Neurology*, **1997**, 56, 1142-6	3.1	21
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