Jerry W Shay

List of Publications by Year in Descending Order

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	Resistance to mutant KRAS-induced senescence in a hTERT/Cdk4-immortalized normal human bronchial epithelial cell line.. *Experimental Cell Research*, **2022**, 113053	4.2	
295	Effects of a 33-ion sequential beam galactic cosmic ray analog on male mouse behavior and evaluation of CDDO-EA as a radiation countermeasure. *Behavioural Brain Research*, **2021**, 419, 113677	3.4	1
294	697 Telomerase-driven telomeric DNA modification in cancer cells leads to efficient induction of cGAS-mediated innate and adoptive immune responses **2021**, 9, A725-A725		
293	T-Cell Telomere Length As a Biomarker to Predict Outcome in Patients Receiving CAR-T Immunotherapy. *Blood*, **2021**, 138, 4798-4798	2.2	
292	DNA damage response at telomeres boosts the transcription of SARS-CoV-2 receptor ACE2 during aging. *EMBO Reports*, **2021**, e53658	6.5	3
291	Single-Cell Expression Landscape of SARS-CoV-2 Receptor and Host Proteases in Normal and Malignant Lung Tissues from Pulmonary Adenocarcinoma Patients. *Cancers*, **2021**, 13,	6.6	4
290	Telomere erosion in human pluripotent stem cells leads to ATR-mediated mitotic catastrophe. *Journal of Cell Biology*, **2021**, 220,	7.3	2
289	Repair of O6-carboxymethylguanine adducts by O6-methylguanine-DNA methyltransferase in human colon epithelial cells. *Carcinogenesis*, **2021**, 42, 1110-1118	4.6	2
288	MLH1 Deficiency-Triggered DNA Hyperexcision by Exonuclease 1 Activates the cGAS-STING Pathway. *Cancer Cell*, **2021**, 39, 109-121.e5	24.3	42
287	Imaging assay to probe the role of telomere length shortening on telomere-gene interactions in single cells. *Chromosoma*, **2021**, 130, 61-73	2.8	0
286	Telomeres and replicative cellular aging of the human placenta and chorioamniotic membranes. *Scientific Reports*, **2021**, 11, 5115	4.9	2
285	Aryl Sulfonamide Inhibits Entry and Replication of Diverse Influenza Viruses via the Hemagglutinin Protein. *Journal of Medicinal Chemistry*, **2021**, 64, 10951-10966	8.3	2
284	Mutant APC promotes tumor immune evasion via PD-L1 in colorectal cancer. *Oncogene*, **2021**, 40, 5984-5992	9.2	0
283	Dysfunctional telomeres trigger cellular senescence mediated by cyclic GMP-AMP synthase. *Journal of Biological Chemistry*, **2020**, 295, 11144-11160	5.4	13
282	TRA-1-60-positive/CD45 cells found in the peripheral blood of prostate cancer patients with metastatic disease - A proof-of-concept study. *Heliyon*, **2020**, 6, e03263	3.6	1
281	Immortalized normal human lung epithelial cell models for studying lung cancer biology. *Respiratory Investigation*, **2020**, 58, 344-354	3.4	8
280	Telomere Stress Potentiates STING-Dependent Anti-tumor Immunity. *Cancer Cell*, **2020**, 38, 400-411.e6	24.3	15

279	Accelerating drug development for neuroblastoma: Summary of the Second Neuroblastoma Drug Development Strategy forum from Innovative Therapies for Children with Cancer and International Society of Paediatric Oncology Europe Neuroblastoma. *European Journal of Cancer*, **2020**, 136, 52-68	7.5	14
278	Is a Biomarker of Sensitivity to the Telomeric DNA Damage Mediator 6-Thio-2PDeoxyguanosine. *Cancer Research*, **2020**, 80, 929-936	10.1	4
277	MAP9 Loss Triggers Chromosomal Instability, Initiates Colorectal Tumorigenesis, and Is Associated with Poor Survival of Patients with Colorectal Cancer. *Clinical Cancer Research*, **2020**, 26, 746-757	12.9	6
276	Lung cancer progression using fast switching multiple ion beam radiation and countermeasure prevention. *Life Sciences in Space Research*, **2020**, 24, 108-115	2.4	2
275	Proliferation of adult human bronchial epithelial cells without a telomere maintenance mechanism for over 200 population doublings. *FASEB Journal*, **2020**, 34, 386-398	0.9	8
274	Chemical intervention of influenza virus mRNA nuclear export. *PLoS Pathogens*, **2020**, 16, e1008407	7.6	5
273	Decellularized mice colons as models to study the contribution of the extracellular matrix to cell behavior and colon cancer progression. *Acta Biomaterialia*, **2019**, 100, 213-222	10.8	9
272	Catalysis-dependent inactivation of human telomerase and its reactivation by intracellular telomerase-activating factors (iTAFs). *Journal of Biological Chemistry*, **2019**, 294, 11579-11596	5.4	2
271	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
270	Transient introduction of human telomerase mRNA improves hallmarks of progeria cells. *Aging Cell*, **2019**, 18, e12979	9.9	19
269	Design and Synthesis of TASIN Analogues Specifically Targeting Colorectal Cancer Cell Lines with Mutant Adenomatous Polyposis Coli (APC). *Journal of Medicinal Chemistry*, **2019**, 62, 5217-5241	8.3	9
268	In perspective: An update on telomere targeting in cancer. *Molecular Carcinogenesis*, **2019**, 58, 1581-1588	5	21
267	2D gel electrophoresis reveals dynamics of t-loop formation during the cell cycle and t-loop in maintenance regulated by heterochromatin state. *Journal of Biological Chemistry*, **2019**, 294, 6645-6656	5.4	3
266	MYC promotes tryptophan uptake and metabolism by the kynurenine pathway in colon cancer. *Genes and Development*, **2019**, 33, 1236-1251	12.6	65
265	Induction of LEF1 by MYC activates the WNT pathway and maintains cell proliferation. *Cell Communication and Signaling*, **2019**, 17, 129	7.5	15
264	Quantitative mitochondrial DNA copy number determination using droplet digital PCR with single-cell resolution. *Genome Research*, **2019**, 29, 1878-1888	9.7	35
263	Telomeres and telomerase: three decades of progress. *Nature Reviews Genetics*, **2019**, 20, 299-309	30.1	260
262	NOVA1 directs PTBP1 to hTERT pre-mRNA and promotes telomerase activity in cancer cells. *Oncogene*, **2019**, 38, 2937-2952	9.2	24

261	Telomere length and telomerase activity in T cells are biomarkers of high-performing centenarians. *Aging Cell*, **2019**, 18, e12859	9.9	37
260	Cholesterol Depletion by TASIN-1 Induces Apoptotic Cell Death through the ER Stress/ROS/JNK Signaling in Colon Cancer Cells. *Molecular Cancer Therapeutics*, **2018**, 17, 943-951	6.1	14
259	Exploiting TERT dependency as a therapeutic strategy for NRAS-mutant melanoma. *Oncogene*, **2018**, 37, 4058-4072	9.2	28
258	Induced Telomere Damage to Treat Telomerase Expressing Therapy-Resistant Pediatric Brain Tumors. *Molecular Cancer Therapeutics*, **2018**, 17, 1504-1514	6.1	23
257	Reflections on telomere dynamics and ageing-related diseases in humans. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	95
256	Comparison of telomere length measurement methods. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	93
255	ddTRAP: A Method for Sensitive and Precise Quantification of Telomerase Activity. *Methods in Molecular Biology*, **2018**, 1768, 513-529	1.4	10
254	Induction of Telomere Dysfunction Prolongs Disease Control of Therapy-Resistant Melanoma. *Clinical Cancer Research*, **2018**, 24, 4771-4784	12.9	21
253	Reconstituting Mouse Lungs with Conditionally Reprogrammed Human Bronchial Epithelial Cells. *Tissue Engineering - Part A*, **2018**, 24, 559-568	3.9	15
252	Expression of Contactin 4 Is Associated With Malignant Behavior in Pheochromocytomas and Paragangliomas. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 46-55	5.6	13
251	NOVA1 regulates hTERT splicing and cell growth in non-small cell lung cancer. *Nature Communications*, **2018**, 9, 3112	17.4	34
250	Telomerase-Mediated Strategy for Overcoming Non-Small Cell Lung Cancer Targeted Therapy and Chemotherapy Resistance. *Neoplasia*, **2018**, 20, 826-837	6.4	22
249	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
248	Truncated Adenomatous Polyposis Coli Mutation Induces Asef-Activated Golgi Fragmentation. *Molecular and Cellular Biology*, **2018**, 38,	4.8	6
247	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
246	Telomeres and aging. *Current Opinion in Cell Biology*, **2018**, 52, 1-7	9	72
245	Telomere length-dependent transcription and epigenetic modifications in promoters remote from telomere ends. *PLoS Genetics*, **2018**, 14, e1007782	6	26
244	The aryl hydrocarbon receptor regulates nucleolar activity and protein synthesis in MYC-expressing cells. *Genes and Development*, **2018**, 32, 1303-1308	12.6	11

243	Proton radiation-induced cancer progression. *Life Sciences in Space Research*, **2018**, 19, 31-42	2.4	3
242	Telomere-associated aging disorders. *Ageing Research Reviews*, **2017**, 33, 52-66	12	86
241	Alternative lengthening of telomeres can be maintained by preferential elongation of lagging strands. *Nucleic Acids Research*, **2017**, 45, 2615-2628	20.1	32
240	c9orf72 Disease-Related Foci Are Each Composed of One Mutant Expanded Repeat RNA. *Cell Chemical Biology*, **2017**, 24, 141-148	8.2	22
239	Cancer Cell Immortality: Targeting Telomerase **2017**, 1-9		
238	Multiple Roles of APC and its Therapeutic Implications in Colorectal Cancer. *Journal of the National Cancer Institute*, **2017**, 109,	9.7	137
237	Telomere G-Rich Overhang Length Measurement: DSN Method. *Methods in Molecular Biology*, **2017**, 1587, 55-62	1.4	
236	Telomere Terminal G/C Strand Synthesis: Measuring Telomerase Action and C-Rich Fill-In. *Methods in Molecular Biology*, **2017**, 1587, 71-82	1.4	
235	Mutations, Cancer and the Telomere Length Paradox. *Trends in Cancer*, **2017**, 3, 253-258	12.5	66
234	New insights into melanoma development. *Science*, **2017**, 357, 1358-1359	33.3	11
233	Non-malignant respiratory epithelial cells preferentially proliferate from resected non-small cell lung cancer specimens cultured under conditionally reprogrammed conditions. *Oncotarget*, **2017**, 8, 11114-11126	3.3	16
232	The Maintenance of Telomere Length in CD28+ T Cells During T Lymphocyte Stimulation. *Scientific Reports*, **2017**, 7, 6785	4.9	18
231	Resveratrol reverses the Warburg effect by targeting the pyruvate dehydrogenase complex in colon cancer cells. *Scientific Reports*, **2017**, 7, 6945	4.9	58
230	Alternative Lengthening of Telomeres Mediated by Mitotic DNA Synthesis Engages Break-Induced Replication Processes. *Molecular and Cellular Biology*, **2017**, 37,	4.8	104
229	A method for measuring the distribution of the shortest telomeres in cells and tissues. *Nature Communications*, **2017**, 8, 1356	17.4	63
228	Amplification of F-Actin Disassembly and Cellular Repulsion by Growth Factor Signaling. *Developmental Cell*, **2017**, 42, 117-129.e8	10.2	17
227	The Synthetic Triterpenoid RTA 405 (CDDO-EA) Halts Progression of Liver Fibrosis and Reduces Hepatocellular Carcinoma Size Resulting in Increased Survival in an Experimental Model of Chronic Liver Injury. *Toxicological Sciences*, **2016**, 149, 111-20	4.4	16
226	Organotypic culture in three dimensions prevents radiation-induced transformation in human lung epithelial cells. *Scientific Reports*, **2016**, 6, 31669	4.9	3

225	DNA damage response curtails detrimental replication stress and chromosomal instability induced by the dietary carcinogen PhIP. *Nucleic Acids Research*, **2016**, 44, 10259-10276	20.1	19
224	Selective targeting of mutant adenomatous polyposis coli (APC) in colorectal cancer. *Science Translational Medicine*, **2016**, 8, 361ra140	17.5	36
223	Comparison of DNA Quantification Methods for Next Generation Sequencing. *Scientific Reports*, **2016**, 6, 24067	4.9	71
222	TERT Promoter Mutations Enhance Telomerase Activation by Long-Range Chromatin Interactions. *Cancer Discovery*, **2016**, 6, 1212-1214	24.4	15
221	Generation of digoxigenin-incorporated probes to enhance DNA detection sensitivity. *BioTechniques*, **2016**, 60, 306-9	2.5	12
220	Impaired telomere maintenance in Alazami syndrome patients with LARP7 deficiency. *BMC Genomics*, **2016**, 17, 749	4.5	25
219	hTERT promotes tumor angiogenesis by activating VEGF via interactions with the Sp1 transcription factor. *Nucleic Acids Research*, **2016**, 44, 8693-8703	20.1	57
218	Galactic cosmic ray simulation at the NASA Space Radiation Laboratory. *Life Sciences in Space Research*, **2016**, 8, 38-51	2.4	78
217	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
216	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
215	The Metastatic Potential and Chemoresistance of Human Pancreatic Cancer Stem Cells. *PLoS ONE*, **2016**, 11, e0148807	3.7	33
214	Telomerase inhibitor imetelstat has preclinical activity across the spectrum of non-small cell lung cancer oncogenotypes in a telomere length dependent manner. *Oncotarget*, **2016**, 7, 31639-51	3.3	29
213	Sulforaphane Preconditioning Sensitizes Human Colon Cancer Cells towards the Bioreductive Anticancer Prodrug PR-104A. *PLoS ONE*, **2016**, 11, e0150219	3.7	20
212	Roles of telomeres and telomerase in cancer, and advances in telomerase-targeted therapies. *Genome Medicine*, **2016**, 8, 69	14.4	307
211	Role of Telomeres and Telomerase in Aging and Cancer. *Cancer Discovery*, **2016**, 6, 584-93	24.4	325
210	Time Lapse to Colorectal Cancer: Telomere Dynamics Define the Malignant Potential of Polyps. *Clinical and Translational Gastroenterology*, **2016**, 7, e188	4.2	7
209	Single-strand DNA-binding protein SSB1 facilitates TERT recruitment to telomeres and maintains telomere G-overhangs. *Cancer Research*, **2015**, 75, 858-69	10.1	14
208	Peloruside A Inhibits Growth of Human Lung and Breast Tumor Xenografts in an Athymic nu/nu Mouse Model. *Molecular Cancer Therapeutics*, **2015**, 14, 1816-23	6.1	19

207	MicroRNAs as potential drug targets for therapeutic intervention in colorectal cancer. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 1705-23	6.4	11
206	Disruption of Wnt/ECatenin Signaling and Telomeric Shortening Are Inextricable Consequences of Tankyrase Inhibition in Human Cells. *Molecular and Cellular Biology*, **2015**, 35, 2425-35	4.8	50
205	Exome sequencing links mutations in PARN and RTEL1 with familial pulmonary fibrosis and telomere shortening. *Nature Genetics*, **2015**, 47, 512-7	36.3	279
204	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
203	A primary melanoma and its asynchronous metastasis highlight the role of BRAF, CDKN2A, and TERT. *Journal of Cutaneous Pathology*, **2015**, 42, 108-17	1.7	10
202	Concepts and challenges in cancer risk prediction for the space radiation environment. *Life Sciences in Space Research*, **2015**, 6, 92-103	2.4	57
201	Decreasing initial telomere length in humans intergenerationally understates age-associated telomere shortening. *Aging Cell*, **2015**, 14, 669-77	9.9	18
200	Induction of telomere dysfunction mediated by the telomerase substrate precursor 6-thio-2Pdeoxyguanosine. *Cancer Discovery*, **2015**, 5, 82-95	24.4	72
199	A novel telomerase substrate precursor rapidly induces telomere dysfunction in telomerase positive cancer cells but not telomerase silent normal cells. *Oncoscience*, **2015**, 2, 693-5	0.8	16
198	Perifosine as a potential novel anti-telomerase therapy. *Oncotarget*, **2015**, 6, 21816-26	3.3	14
197	Telomere Dysfunction Induced Foci (TIF) Analysis. *Bio-protocol*, **2015**, 5,	0.9	20
196	Telomerase Repeated Amplification Protocol (TRAP). *Bio-protocol*, **2015**, 5,	0.9	31
195	Telomere Restriction Fragment (TRF) Analysis. *Bio-protocol*, **2015**, 5,	0.9	25
194	Regulation of human telomerase splicing by RNA:RNA pairing. *Nature Communications*, **2014**, 5, 3306	17.4	22
193	Are short telomeres hallmarks of cancer recurrence?. *Clinical Cancer Research*, **2014**, 20, 779-81	12.9	13
192	Telomere position effect: regulation of gene expression with progressive telomere shortening over long distances. *Genes and Development*, **2014**, 28, 2464-76	12.6	178
191	Cell biology of disease: Telomeropathies: an emerging spectrum disorder. *Journal of Cell Biology*, **2014**, 205, 289-99	7.3	118
190	Alternative splicing regulation of telomerase: a new paradigm?. *Trends in Genetics*, **2014**, 30, 430-8	8.5	69

189	Quantitative telomerase enzyme activity determination using droplet digital PCR with single cell resolution. *Nucleic Acids Research*, **2014**, 42, e104	20.1	81
188	Inhibition of microRNA-31-5p protects human colonic epithelial cells against ionizing radiation. *Life Sciences in Space Research*, **2014**, 1, 67-73	2.4	12
187	Branching morphogenesis of immortalized human bronchial epithelial cells in three-dimensional culture. *Differentiation*, **2014**, 87, 119-26	3.5	24
186	KIF14 promotes AKT phosphorylation and contributes to chemoresistance in triple-negative breast cancer. *Neoplasia*, **2014**, 16, 247-56, 256.e2	6.4	54
185	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
184	Risk assessment of space radiation-induced invasive cancer in mouse models of lung and colorectal cancer. *Journal of Radiation Research*, **2014**, 55, i46-i47	2.4	3
183	Oxygen and Silicon Ion Particles Induce Neoplastic Transformation in Human Colonic Epithelial Cells. *Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research*, **2014**, 2, 32-41	0.4	1
182	CDDO-Me protects normal lung and breast epithelial cells but not cancer cells from radiation. *PLoS ONE*, **2014**, 9, e115600	3.7	11
181	Identification of novel driver tumor suppressors through functional interrogation of putative passenger mutations in colorectal cancer. *International Journal of Cancer*, **2013**, 132, 732-7	7.5	18
180	T-cell-specific deletion of Mof blocks their differentiation and results in genomic instability in mice. *Mutagenesis*, **2013**, 28, 263-70	2.8	30
179	Mitigation of radiation-induced damage by targeting EGFR in noncancerous human epithelial cells. *Radiation Research*, **2013**, 180, 259-67	3.1	12
178	The roles of telomerase in the generation of polyploidy during neoplastic cell growth. *Neoplasia*, **2013**, 15, 156-68	6.4	11
177	Imetelstat (a telomerase antagonist) exerts off-target effects on the cytoskeleton. *International Journal of Oncology*, **2013**, 42, 1709-15	4.4	24
176	Telomere position effect regulates DUX4 in human facioscapulohumeral muscular dystrophy. *Nature Structural and Molecular Biology*, **2013**, 20, 671-8	17.6	74
175	Regulation of telomerase alternative splicing: a target for chemotherapy. *Cell Reports*, **2013**, 3, 1028-35	10.6	47
174	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
173	Human lung epithelial cells progressed to malignancy through specific oncogenic manipulations. *Molecular Cancer Research*, **2013**, 11, 638-50	6.6	135
172	Lamin A/C depletion enhances DNA damage-induced stalled replication fork arrest. *Molecular and Cellular Biology*, **2013**, 33, 1210-22	4.8	80

171	Are short telomeres predictive of advanced cancer?. *Cancer Discovery*, **2013**, 3, 1096-8	24.4	21
170	Facioscapulohumeral muscular dystrophy: Are telomeres the end of the story?. *Rare Diseases (Austin, Tex)*, **2013**, 1, e26142		1
169	Progenitor cell line (hPheo1) derived from a human pheochromocytoma tumor. *PLoS ONE*, **2013**, 8, e65624	3.7	27
168	Cellular Senescence, Telomerase, and Cancer in Human Cells **2012**, 243-263		2
167	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
166	Cancer. Cancer and telomeres--an ALTernative to telomerase. *Science*, **2012**, 336, 1388-90	33.3	99
165	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
164	Abstract PL01-01: The role of telomeres and telomerase in aging and cancer. *Cancer Prevention Research*, **2012**, 5, PL01-01-PL01-01	3.2	
163	Multipotent capacity of immortalized human bronchial epithelial cells. *PLoS ONE*, **2011**, 6, e22023	3.7	51
162	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
161	Targeting telomerase-expressing cancer cells. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 1433-43	5.6	54
160	Role of telomeres and telomerase in cancer. *Seminars in Cancer Biology*, **2011**, 21, 349-53	12.7	344
159	Evidence of epithelial to mesenchymal transition associated with increased tumorigenic potential in an immortalized normal prostate epithelial cell line. *Prostate*, **2011**, 71, 626-36	4.2	6
158	Short hairpin RNA screen indicates that Klotho beta/FGF19 protein overcomes stasis in human colonic epithelial cells. *Journal of Biological Chemistry*, **2011**, 286, 43294-300	5.4	8
157	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
156	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
155	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
154	Telomere G-overhang length measurement method 1: the DSN method. *Methods in Molecular Biology*, **2011**, 735, 47-54	1.4	6

153	Aldehyde dehydrogenase activity selects for lung adenocarcinoma stem cells dependent on notch signaling. *Cancer Research*, **2010**, 70, 9937-48	10.1	314
152	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
151	Telomerase as a Target for Cancer Therapeutics **2010**, 231-249		2
150	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
149	The telomerase inhibitor imetelstat depletes cancer stem cells in breast and pancreatic cancer cell lines. *Cancer Research*, **2010**, 70, 9494-504	10.1	105
148	CDDO-Me protects against space radiation-induced transformation of human colon epithelial cells. *Radiation Research*, **2010**, 174, 27-36	3.1	25
147	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
146	Telomeres and telomerase in normal and cancer stem cells. *FEBS Letters*, **2010**, 584, 3819-25	3.8	155
145	Telomere biology in Metazoa. *FEBS Letters*, **2010**, 584, 3741-51	3.8	127
144	The effects of telomerase inhibition on prostate tumor-initiating cells. *International Journal of Cancer*, **2010**, 127, 321-31	7.5	52
143	Two- and three-dimensional models for risk assessment of radiation-enhanced colorectal tumorigenesis. *Radiation Research*, **2009**, 171, 33-40	3.1	12
142	Is telomerase a novel target for metastatic colon cancer?. *Current Colorectal Cancer Reports*, **2009**, 5, 203-208	1	10
141	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
140	Pancreatic cancer stem cells: fact or fiction?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 248-59	6.9	30
139	Prostate tumor-initiating cells: a new target for telomerase inhibition therapy?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 289-96	6.9	23
138	Telomere-maintenance mechanisms in soft-tissue malignant fibrous histiocytomas. *Journal of Bone and Joint Surgery - Series A*, **2009**, 91, 928-37	5.6	20
137	H-ras expression in immortalized keratinocytes produces an invasive epithelium in cultured skin equivalents. *PLoS ONE*, **2009**, 4, e7908	3.7	20
136	Telomere length regulates ISG15 expression in human cells. *Aging*, **2009**, 1, 608-21	5.6	71

135	Keratinocyte senescence effects on differentiation and migration in a skin equivalent. *FASEB Journal*, **2009**, 23, 830.4	0.9	
134	Immortalization of human small airway epithelial cells with characteristics of bronchioalveolar stem cells. *FASEB Journal*, **2009**, 23, LB340	0.9	1
133	Actions of human telomerase beyond telomeres. *Cell Research*, **2008**, 18, 725-32	24.7	179
132	Ageing and Cancer: The Telomere and Telomerase Connection. *Novartis Foundation Symposium*, **2008**, 116-129		12
131	Telomerase targeted oligonucleotide thio-phosphoramidates in T24-luc bladder cancer cells. *Journal of Cellular Biochemistry*, **2008**, 104, 444-52	4.7	34
130	Quantitative telomeric overhang determination using a double-strand specific nuclease. *Nucleic Acids Research*, **2008**, 36, e14	20.1	79
129	Immortalized keratinocytes that overexpress H-ras produce an invasive, randomized epithelium in organotypic culture. *FASEB Journal*, **2008**, 22, 978.3	0.9	
128	Human diseases of telomerase dysfunction: insights into tissue aging. *Nucleic Acids Research*, **2007**, 35, 7406-16	20.1	129
127	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
126	Tissue culture as a hostile environment: identifying conditions for breast cancer progression studies. *Cancer Cell*, **2007**, 12, 100-1	24.3	21
125	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
124	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
123	Oligonucleotide conjugate GRN163L targeting human telomerase as potential anticancer and antimetastatic agent. *Nucleosides, Nucleotides and Nucleic Acids*, **2007**, 26, 1577-9	1.4	22
122	Antiadhesive effects of GRN163L--an oligonucleotide N3P>P5Pthio-phosphoramidate targeting telomerase. *Cancer Research*, **2007**, 67, 1121-9	10.1	66
121	Telomere dynamics in macaques and humans. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 367-74	6.4	84
120	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
119	Nonradioactive detection of telomerase activity using the telomeric repeat amplification protocol. *Nature Protocols*, **2006**, 1, 1583-90	18.8	182
118	Small molecule, oligonucleotide-based telomerase template inhibition in combination with cytolytic therapy in an in vitro androgen-independent prostate cancer model. *Urologic Oncology: Seminars and Original Investigations*, **2006**, 24, 141-51	2.8	14

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1	DNA damage response at telomeres boosts the transcription of SARS-CoV-2 receptor ACE2 during aging		1