

# Maria A Blasco

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

282  
papers

43,089  
citations

98  
h-index

205  
g-index

294  
ext. papers

49,138  
ext. citations

12.6  
avg, IF

7.7  
L-index

#	Paper	IF	Citations
282	Early differential responses elicited by BRAF in adult mouse models.. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 142	9.8	0
281	Leukocyte telomere length in patients with schizophrenia and related disorders: a meta-analysis of case-control studies.. <i>Molecular Psychiatry</i> , <b>2022</b> ,	15.1	2
280	A synthetic mRNA cell reprogramming method using CYCLIN D1 promotes DNA repair, generating improved genetically stable human induced pluripotent stem cells. <i>Stem Cells</i> , <b>2021</b> , 39, 866-881	5.8	3
279	Short and dysfunctional telomeres sensitize the kidneys to develop fibrosis. <i>Nature Aging</i> , <b>2021</b> , 1, 269-283		5
278	AKT-dependent signaling of extracellular cues through telomeres impact on tumorigenesis. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009410	6	1
277	Ageing affects subtelomeric DNA methylation in blood cells from a large European population enrolled in the MARK-AGE study. <i>GeroScience</i> , <b>2021</b> , 43, 1283-1302	8.9	0
276	Short and dysfunctional telomeres protect from allergen-induced airway inflammation. <i>Aging Cell</i> , <b>2021</b> , 20, e13352	9.9	2
275	miR-490 suppresses telomere maintenance program and associated hallmarks in glioblastoma. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 2299-2314	10.3	5
274	Shorter telomere lengths in patients with severe COVID-19 disease. <i>Aging</i> , <b>2021</b> , 13, 1-15	5.6	33
273	Analysis of Telomere Maintenance Related Genes Reveals as a New Metastatic-Risk Marker in Pheochromocytoma/Paraganglioma. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
272	Splicing machinery dysregulation drives glioblastoma development/aggressiveness: oncogenic role of SRSF3. <i>Brain</i> , <b>2020</b> , 143, 3273-3293	11.2	14
271	The mTOR pathway is necessary for survival of mice with short telomeres. <i>Nature Communications</i> , <b>2020</b> , 11, 1168	17.4	22
270	Reply to Udroui: Interesting mathematical analysis of telomere shortening rate and life span. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2250	11.5	
269	The effect of rapamycin on bovine oocyte maturation success and metaphase telomere length maintenance. <i>Aging</i> , <b>2020</b> , 12, 7576-7584	5.6	9
268	Dynamics of telomeric repeat-containing RNA expression in early embryonic cleavage stages with regards to maternal age. <i>Aging</i> , <b>2020</b> , 12, 15906-15917	5.6	0
267	Telomerase treatment prevents lung profibrotic pathologies associated with physiological aging. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	17
266	Screening protocol for the identification of modulators by immunofluorescent cell-based assay. <i>Chemical Biology and Drug Design</i> , <b>2020</b> , 95, 66-78	2.9	

265	53BP1 Enforces Distinct Pre- and Post-resection Blocks on Homologous Recombination. <i>Molecular Cell</i> , <b>2020</b> , 77, 26-38.e7	17.6	56
264	T24. CHANGES IN TELOMERE LENGTH IN YOUNG PEOPLE WITH FIRST EPISODE PSYCHOSIS: A 12-MONTHS FOLLOW-UP STUDY. <i>Schizophrenia Bulletin</i> , <b>2020</b> , 46, S240-S240	1.3	78
263	Transient exposure to miR-203 enhances the differentiation capacity of established pluripotent stem cells. <i>EMBO Journal</i> , <b>2020</b> , 39, e104324	13	10
262	Hsa-miR-139-5p is a prognostic thyroid cancer marker involved in HNRNPF-mediated alternative splicing. <i>International Journal of Cancer</i> , <b>2020</b> , 146, 521-530	7.5	17
261	Safety of Whole-Body Abrogation of the TRF1 Shelterin Protein in Wild-Type and Cancer-Prone Mouse Models. <i>IScience</i> , <b>2019</b> , 19, 572-585	6.1	2
260	Multiple cancer pathways regulate telomere protection. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e10292	12	14
259	Telomere shortening rate predicts species life span. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15122-15127	11.5	130
258	Mice with hyper-long telomeres show less metabolic aging and longer lifespans. <i>Nature Communications</i> , <b>2019</b> , 10, 4723	17.4	62
257	Telomerase gene therapy ameliorates the effects of neurodegeneration associated to short telomeres in mice. <i>Aging</i> , <b>2019</b> , 11, 2916-2948	5.6	13
256	Slower rates of accumulation of DNA damage in leukocytes correlate with longer lifespans across several species of birds and mammals. <i>Aging</i> , <b>2019</b> , 11, 9829-9845	5.6	1
255	TERRA regulate the transcriptional landscape of pluripotent cells through TRF1-dependent recruitment of PRC2. <i>ELife</i> , <b>2019</b> , 8,	8.9	21
254	Maternal telomere length is shorter in intrauterine growth restriction versus uncomplicated pregnancies, but not in the offspring or in IVF-conceived newborns. <i>Reproductive BioMedicine Online</i> , <b>2019</b> , 38, 606-612	4	3
253	The red blood cell proportion of arachidonic acid relates to shorter leukocyte telomeres in Mediterranean elders: A secondary analysis of a randomized controlled trial. <i>Clinical Nutrition</i> , <b>2019</b> , 38, 958-961	5.9	7
252	TERRA recruitment of polycomb to telomeres is essential for histone trymethylation marks at telomeric heterochromatin. <i>Nature Communications</i> , <b>2018</b> , 9, 1548	17.4	67
251	F19. TELOMERE SHORTENING IN YOUNG PEOPLE WITH FIRST EPISODE PSYCHOSIS: A 12-MONTH FOLLOW-UP STUDY. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, S226-S226	1.3	78
250	AAV9-mediated telomerase activation does not accelerate tumorigenesis in the context of oncogenic K-Ras-induced lung cancer. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007562	6	11
249	Blood Markers in Healthy-Aged Nonagenarians: A Combination of High Telomere Length and Low Amyloid Are Strongly Associated With Healthy Aging in the Oldest Old. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 380	5.3	2
248	Walnut Consumption for Two Years and Leukocyte Telomere Attrition in Mediterranean Elders: Results of a Randomized Controlled Trial. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	18

247	Mice lacking RAP1 show early onset and higher rates of DEN-induced hepatocellular carcinomas in female mice. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204909	3.7	4
246	Heart-Breaking Telomeres. <i>Circulation Research</i> , <b>2018</b> , 123, 787-802	15.7	23
245	Therapeutic effects of telomerase in mice with pulmonary fibrosis induced by damage to the lungs and short telomeres. <i>ELife</i> , <b>2018</b> , 7,	8.9	51
244	p53 Modulates the Fate of Cardiac Progenitor Cells Ex Vivo and in the Diabetic Heart In Vivo. <i>EBioMedicine</i> , <b>2017</b> , 16, 224-237	8.8	9
243	Common Telomere Changes during In Vivo Reprogramming and Early Stages of Tumorigenesis. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 460-475	8	23
242	Telomere-driven diseases and telomere-targeting therapies. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 875-887	7.3	136
241	Long Live Partial Reprogramming. <i>Circulation Research</i> , <b>2017</b> , 120, 1381-1383	15.7	1
240	Gene therapy with the TRF1 telomere gene rescues decreased TRF1 levels with aging and prolongs mouse health span. <i>Aging Cell</i> , <b>2017</b> , 16, 1353-1368	9.9	16
239	Inhibition of TRF1 Telomere Protein Impairs Tumor Initiation and Progression in Glioblastoma Mouse Models and Patient-Derived Xenografts. <i>Cancer Cell</i> , <b>2017</b> , 32, 590-607.e4	24.3	36
238	Modulation of telomere protection by the PI3K/AKT pathway. <i>Nature Communications</i> , <b>2017</b> , 8, 1278	17.4	34
237	Telomere Length Defines the Cardiomyocyte Differentiation Potency of Mouse Induced Pluripotent Stem Cells. <i>Stem Cells</i> , <b>2017</b> , 35, 362-373	5.8	15
236	Critically short telomeres and toxicity of chemotherapy in early breast cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 21473-21483	3.3	3
235	Tissue damage and senescence provide critical signals for cellular reprogramming in vivo. <i>Science</i> , <b>2016</b> , 354,	33.3	321
234	Telomerase gene therapy rescues telomere length, bone marrow aplasia, and survival in mice with aplastic anemia. <i>Blood</i> , <b>2016</b> , 127, 1770-9	2.2	39
233	Telomeric RNAs are essential to maintain telomeres. <i>Nature Communications</i> , <b>2016</b> , 7, 12534	17.4	65
232	Short Telomere Load, Telomere Length, and Subclinical Atherosclerosis: The PESA Study. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 2467-76	15.1	44
231	Molecular insights into the OGG1 gene, a cancer risk modifier in BRCA1 and BRCA2 mutations carriers. <i>Oncotarget</i> , <b>2016</b> , 7, 25815-25	3.3	13
230	Telomeres and telomerase as therapeutic targets to prevent and treat age-related diseases. <i>F1000Research</i> , <b>2016</b> , 5,	3.6	51

229	Molecular Architecture of Full-length TRF1 Favors Its Interaction with DNA. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 21829-21835	5.4	5
228	Generation of mice with longer and better preserved telomeres in the absence of genetic manipulations. <i>Nature Communications</i> , <b>2016</b> , 7, 11739	17.4	37
227	ATRX driver mutation in a composite malignant pheochromocytoma. <i>Cancer Genetics</i> , <b>2016</b> , 209, 272-7	2.3	21
226	A genetic interaction between RAP1 and telomerase reveals an unanticipated role for RAP1 in telomere maintenance. <i>Aging Cell</i> , <b>2016</b> , 15, 1113-1125	9.9	29
225	Mice with Pulmonary Fibrosis Driven by Telomere Dysfunction. <i>Cell Reports</i> , <b>2015</b> , 12, 286-99	10.6	126
224	Haploinsufficiency for BRCA1 leads to cell-type-specific genomic instability and premature senescence. <i>Nature Communications</i> , <b>2015</b> , 6, 7505	17.4	74
223	Epigenetic silencing of Oct4 by a complex containing SUV39H1 and Oct4 pseudogene lncRNA. <i>Nature Communications</i> , <b>2015</b> , 6, 7631	17.4	72
222	Replicating through telomeres: a means to an end. <i>Trends in Biochemical Sciences</i> , <b>2015</b> , 40, 504-15	10.3	91
221	Chronic replicative stress induced by CCL4 in TRF1 knockout mice recapitulates the origin of large liver cell changes. <i>Journal of Hepatology</i> , <b>2015</b> , 63, 446-55	13.4	11
220	Altered telomere homeostasis and resistance to skin carcinogenesis in Suv39h1 transgenic mice. <i>Cell Cycle</i> , <b>2015</b> , 14, 1438-46	4.7	8
219	Single-cell telomere-length quantification couples telomere length to meristem activity and stem cell development in Arabidopsis. <i>Cell Reports</i> , <b>2015</b> , 11, 977-989	10.6	16
218	MARK-AGE biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , <b>2015</b> , 151, 2-12	5.6	145
217	A mutation in the POT1 gene is responsible for cardiac angiosarcoma in TP53-negative Li-Fraumeni-like families. <i>Nature Communications</i> , <b>2015</b> , 6, 8383	17.4	86
216	Stem and progenitor cell division kinetics during postnatal mouse mammary gland development. <i>Nature Communications</i> , <b>2015</b> , 6, 8487	17.4	51
215	Therapeutic inhibition of TRF1 impairs the growth of p53-deficient K-RasG12V-induced lung cancer by induction of telomeric DNA damage. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 930-49	12	38
214	Telomere dynamics in patients with del (5q) MDS before and under treatment with lenalidomide. <i>Leukemia Research</i> , <b>2015</b> ,	2.7	11
213	Limiting replication stress during somatic cell reprogramming reduces genomic instability in induced pluripotent stem cells. <i>Nature Communications</i> , <b>2015</b> , 6, 8036	17.4	65
212	Therapeutic effect of androgen therapy in a mouse model of aplastic anemia produced by short telomeres. <i>Haematologica</i> , <b>2015</b> , 100, 1267-74	6.6	48

211	Profiling of Sox4-dependent transcriptome in skin links tumour suppression and adult stem cell activation. <i>Genomics Data</i> , <b>2015</b> , 6, 21-4		1
210	Telomere shortening in enterocytes of patients with uncontrolled acute intestinal graft-versus-host disease. <i>Blood</i> , <b>2015</b> , 126, 2518-21	2.2	17
209	NSMCE2 suppresses cancer and aging in mice independently of its SUMO ligase activity. <i>EMBO Journal</i> , <b>2015</b> , 34, 2604-19	13	34
208	Role for telomerase in pulmonary hypertension. <i>Circulation</i> , <b>2015</b> , 131, 742-755	16.7	29
207	Impact of chemotherapy on telomere length in sporadic and familial breast cancer patients. <i>Breast Cancer Research and Treatment</i> , <b>2015</b> , 149, 385-94	4.4	22
206	In vivo role of checkpoint kinase 2 in signaling telomere dysfunction. <i>Aging Cell</i> , <b>2014</b> , 13, 810-6	9.9	5
205	Sox4 links tumor suppression to accelerated aging in mice by modulating stem cell activation. <i>Cell Reports</i> , <b>2014</b> , 8, 487-500	10.6	33
204	Identification of TERRA locus unveils a telomere protection role through association to nearly all chromosomes. <i>Nature Communications</i> , <b>2014</b> , 5, 4723	17.4	66
203	TopoII $\beta$ prevents telomere fragility and formation of ultra thin DNA bridges during mitosis through TRF1-dependent binding to telomeres. <i>Cell Cycle</i> , <b>2014</b> , 13, 1463-81	4.7	28
202	Telomerase expression confers cardioprotection in the adult mouse heart after acute myocardial infarction. <i>Nature Communications</i> , <b>2014</b> , 5, 5863	17.4	91
201	Genome-wide analysis of in vivo TRF1 binding to chromatin restricts its location exclusively to telomeric repeats. <i>Cell Cycle</i> , <b>2014</b> , 13, 3742-9	4.7	7
200	Essential role for the TRF2 telomere protein in adult skin homeostasis. <i>Aging Cell</i> , <b>2014</b> , 13, 656-68	9.9	17
199	SIRT1 is necessary for proficient telomere elongation and genomic stability of induced pluripotent stem cells. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 690-706	8	53
198	Telomerase at the intersection of cancer and aging. <i>Trends in Genetics</i> , <b>2013</b> , 29, 513-20	8.5	132
197	RAP1 protects from obesity through its extratelomeric role regulating gene expression. <i>Cell Reports</i> , <b>2013</b> , 3, 2059-74	10.6	77
196	Short telomeres are frequent in hereditary breast tumors and are associated with high tumor grade. <i>Breast Cancer Research and Treatment</i> , <b>2013</b> , 141, 231-42	4.4	22
195	POT1 mutations cause telomere dysfunction in chronic lymphocytic leukemia. <i>Nature Genetics</i> , <b>2013</b> , 45, 526-30	36.3	199
194	Telomere length and telomerase activity impact the UV sensitivity syndrome xeroderma pigmentosum C. <i>Cancer Research</i> , <b>2013</b> , 73, 1844-54	10.1	25

193	Localization-dependent and -independent roles of SLX4 in regulating telomeres. <i>Cell Reports</i> , <b>2013</b> , 4, 853-60	10.6	62
192	A metabolic signature predicts biological age in mice. <i>Aging Cell</i> , <b>2013</b> , 12, 93-101	9.9	54
191	TRF1 is a stem cell marker and is essential for the generation of induced pluripotent stem cells. <i>Nature Communications</i> , <b>2013</b> , 4, 1946	17.4	50
190	The hallmarks of aging. <i>Cell</i> , <b>2013</b> , 153, 1194-217	56.2	7165
189	p53 isoforms regulate aging- and tumor-associated replicative senescence in T lymphocytes. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 5247-57	15.9	85
188	Telomerase reverse transcriptase synergizes with calorie restriction to increase health span and extend mouse longevity. <i>PLoS ONE</i> , <b>2013</b> , 8, e53760	3.7	65
187	Conditional TRF1 knockout in the hematopoietic compartment leads to bone marrow failure and recapitulates clinical features of dyskeratosis congenita. <i>Blood</i> , <b>2012</b> , 120, 2990-3000	2.2	53
186	Potential of telomerase activation in extending health span and longevity. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 739-43	9	34
185	Cohesin-SA1 deficiency drives aneuploidy and tumourigenesis in mice due to impaired replication of telomeres. <i>EMBO Journal</i> , <b>2012</b> , 31, 2076-89	13	121
184	The rate of increase of short telomeres predicts longevity in mammals. <i>Cell Reports</i> , <b>2012</b> , 2, 732-7	10.6	111
183	A subpopulation of adult skeletal muscle stem cells retains all template DNA strands after cell division. <i>Cell</i> , <b>2012</b> , 148, 112-25	56.2	327
182	Personal omics profiling reveals dynamic molecular and medical phenotypes. <i>Cell</i> , <b>2012</b> , 148, 1293-307	56.2	921
181	Telomerase gene therapy in adult and old mice delays aging and increases longevity without increasing cancer. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 691-704	12	274
180	Identification of novel pathways involved in the pathogenesis of human adamantinomatous craniopharyngioma. <i>Acta Neuropathologica</i> , <b>2012</b> , 124, 259-71	14.3	133
179	53BP1 deficiency combined with telomere dysfunction activates ATR-dependent DNA damage response. <i>Journal of Cell Biology</i> , <b>2012</b> , 197, 283-300	7.3	19
178	Shorter telomere length is associated with increased ovarian cancer risk in both familial and sporadic cases. <i>Journal of Medical Genetics</i> , <b>2012</b> , 49, 341-4	5.8	37
177	Genetic inactivation of Cdk7 leads to cell cycle arrest and induces premature aging due to adult stem cell exhaustion. <i>EMBO Journal</i> , <b>2012</b> , 31, 2498-510	13	64
176	Assessing cell and organ senescence biomarkers. <i>Circulation Research</i> , <b>2012</b> , 111, 97-109	15.7	122

175	Beyond average: potential for measurement of short telomeres. <i>Aging</i> , <b>2012</b> , 4, 379-92	5.6	74
174	Accelerated Telomere Shortening Identifies a Subgroup of Patients with Myelodysplastic Syndrome and Isolated 5q Minus Deletion with a Higher Probability of Response to Lenalidomide Treatment. <i>Blood</i> , <b>2012</b> , 120, 3809-3809	2.2	
173	Aging by telomere loss can be reversed. <i>Cell Stem Cell</i> , <b>2011</b> , 8, 3-4	18	14
172	The telomerase activator TA-65 elongates short telomeres and increases health span of adult/old mice without increasing cancer incidence. <i>Aging Cell</i> , <b>2011</b> , 10, 604-21	9.9	191
171	Telomeric and extra-telomeric roles for telomerase and the telomere-binding proteins. <i>Nature Reviews Cancer</i> , <b>2011</b> , 11, 161-76	31.3	366
170	Genome-wide CTCF distribution in vertebrates defines equivalent sites that aid the identification of disease-associated genes. <i>Nature Structural and Molecular Biology</i> , <b>2011</b> , 18, 708-14	17.6	77
169	Genomic instability in iPS: time for a break. <i>EMBO Journal</i> , <b>2011</b> , 30, 991-3	13	40
168	The load of short telomeres is increased and associated with lifetime number of depressive episodes in bipolar II disorder. <i>Journal of Affective Disorders</i> , <b>2011</b> , 135, 43-50	6.6	98
167	Isolation and in vitro expansion of human colonic stem cells. <i>Nature Medicine</i> , <b>2011</b> , 17, 1225-7	50.5	492
166	Telomeres in cancer and ageing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 366, 76-84	5.8	132
165	Different telomere-length dynamics at the inner cell mass versus established embryonic stem (ES) cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 15207-12	11.5	59
164	María Blasco: Keeping a cap on cancer and aging. Interview by Caitlin Sedwick. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 370-1	7.3	
163	Suv4-20h abrogation enhances telomere elongation during reprogramming and confers a higher tumorigenic potential to iPS cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e25680	3.7	20
162	Conditional TRF1 Knockout in Haematopoietic Progenitor Cells Causes Telomere Shortening and Bone Marrow Failure by Induction of Cellular Senescence. <i>Blood</i> , <b>2011</b> , 118, 49-49	2.2	1
161	Role of shelterin in cancer and aging. <i>Aging Cell</i> , <b>2010</b> , 9, 653-66	9.9	102
160	BRCA2 acts as a RAD51 loader to facilitate telomere replication and capping. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1461-9	17.6	119
159	2009 nobel prize in physiology or medicine: telomeres and telomerase. <i>Oncogene</i> , <b>2010</b> , 29, 1561-5	9.2	22
158	Mammalian Rap1 controls telomere function and gene expression through binding to telomeric and extratelomeric sites. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 768-80	23.4	184



157	ATR suppresses telomere fragility and recombination but is dispensable for elongation of short telomeres by telomerase. <i>Journal of Cell Biology</i> , <b>2010</b> , 188, 639-52	7.3	51
156	Telomeres and telomerase in adult stem cells and pluripotent embryonic stem cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 695, 118-31	3.6	31
155	SIRT1 contributes to telomere maintenance and augments global homologous recombination. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 1299-313	7.3	190
154	TERRA transcripts are bound by a complex array of RNA-binding proteins. <i>Nature Communications</i> , <b>2010</b> , 1, 33	17.4	101
153	Telomere rejuvenation during nuclear reprogramming. <i>Current Opinion in Genetics and Development</i> , <b>2010</b> , 20, 190-6	4.9	50
152	TPP1 is required for TERT recruitment, telomere elongation during nuclear reprogramming, and normal skin development in mice. <i>Developmental Cell</i> , <b>2010</b> , 18, 775-89	10.2	102
151	Chromatin regulation and non-coding RNAs at mammalian telomeres. <i>Seminars in Cell and Developmental Biology</i> , <b>2010</b> , 21, 186-93	7.5	66
150	The role of telomeres and telomerase in stem cell aging. <i>FEBS Letters</i> , <b>2010</b> , 584, 3826-30	3.8	102
149	p53 prevents entry into mitosis with uncapped telomeres. <i>Current Biology</i> , <b>2010</b> , 20, 521-6	6.3	35
148	Impact papers on aging in 2009. <i>Aging</i> , <b>2010</b> , 2, 111-21	5.6	29
147	A GRFa2/Prop1/stem (GPS) cell niche in the pituitary. <i>PLoS ONE</i> , <b>2009</b> , 4, e4815	3.7	140
146	Telomere shortening in neural stem cells disrupts neuronal differentiation and neuritogenesis. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 14394-407	6.6	129
145	Telomere shortening and oxidative stress in aged macrophages results in impaired STAT5a phosphorylation. <i>Journal of Immunology</i> , <b>2009</b> , 183, 2356-64	5.3	56
144	Telomere shortening relaxes X chromosome inactivation and forces global transcriptome alterations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19393-8	11.5	34
143	TRF1 controls telomere length and mitotic fidelity in epithelial homeostasis. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 1608-25	4.8	68
142	Genetic dissection of the mechanisms underlying telomere-associated diseases: impact of the TRF2 telomeric protein on mouse epidermal stem cells. <i>DMM Disease Models and Mechanisms</i> , <b>2009</b> , 2, 139-56 <sup>4+1</sup>		17
141	A higher order of telomere regulation: telomere heterochromatin and telomeric RNAs. <i>EMBO Journal</i> , <b>2009</b> , 28, 2323-36	13	163
140	A p53-mediated DNA damage response limits reprogramming to ensure iPS cell genomic integrity. <i>Nature</i> , <b>2009</b> , 460, 1149-53	50.4	842

139	The Ink4/Arf locus is a barrier for iPS cell reprogramming. <i>Nature</i> , <b>2009</b> , 460, 1136-9	50.4	794
138	MSH2 deficiency abolishes the anticancer and pro-aging activity of short telomeres. <i>Aging Cell</i> , <b>2009</b> , 8, 2-17	9.9	33
137	Telomeres acquire embryonic stem cell characteristics in induced pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2009</b> , 4, 141-54	18	384
136	Increased telomere fragility and fusions resulting from TRF1 deficiency lead to degenerative pathologies and increased cancer in mice. <i>Genes and Development</i> , <b>2009</b> , 23, 2060-75	12.6	275
135	A p53-dependent response limits epidermal stem cell functionality and organismal size in mice with short telomeres. <i>PLoS ONE</i> , <b>2009</b> , 4, e4934	3.7	57
134	A mammalian microRNA cluster controls DNA methylation and telomere recombination via Rbl2-dependent regulation of DNA methyltransferases. <i>Nature Structural and Molecular Biology</i> , <b>2008</b> , 15, 268-79	17.6	281
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