

Titia de Lange

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6829931/titia-de-lange-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

169
papers

38,512
citations

96
h-index

196
g-index

197
ext. papers

42,411
ext. citations

19.6
avg. IF

7.89
L-index

#	Paper	IF	Citations
169	Shelterin: the protein complex that shapes and safeguards human telomeres. <i>Genes and Development</i> , 2005 , 19, 2100-10	12.6	2120
168	Mammalian telomeres end in a large duplex loop. <i>Cell</i> , 1999 , 97, 503-14	56.2	1881
167	TRF2 protects human telomeres from end-to-end fusions. <i>Cell</i> , 1998 , 92, 401-13	56.2	1372
166	How shelterin protects mammalian telomeres. <i>Annual Review of Genetics</i> , 2008 , 42, 301-34	14.5	1366
165	DNA damage foci at dysfunctional telomeres. <i>Current Biology</i> , 2003 , 13, 1549-56	6.3	1082
164	Control of telomere length by the human telomeric protein TRF1. <i>Nature</i> , 1997 , 385, 740-3	50.4	1014
163	p53- and ATM-dependent apoptosis induced by telomeres lacking TRF2. <i>Science</i> , 1999 , 283, 1321-5	33.3	856
162	Protection of mammalian telomeres. <i>Oncogene</i> , 2002 , 21, 532-40	9.2	806
161	Tankyrase, a poly(ADP-ribose) polymerase at human telomeres. <i>Science</i> , 1998 , 282, 1484-7	33.3	768
160	Human telomeres contain two distinct Myb-related proteins, TRF1 and TRF2. <i>Nature Genetics</i> , 1997 , 17, 231-5	36.3	732
159	Structure and variability of human chromosome ends. <i>Molecular and Cellular Biology</i> , 1990 , 10, 518-27	4.8	708
158	Mammalian telomeres resemble fragile sites and require TRF1 for efficient replication. <i>Cell</i> , 2009 , 138, 90-103	56.2	703
157	Regulation of telomerase by telomeric proteins. <i>Annual Review of Biochemistry</i> , 2004 , 73, 177-208	29.1	668
156	Senescence induced by altered telomere state, not telomere loss. <i>Science</i> , 2002 , 295, 2446-9	33.3	638
155	Protection of telomeres through independent control of ATM and ATR by TRF2 and POT1. <i>Nature</i> , 2007 , 448, 1068-71	50.4	632
154	Telomerase activity in normal and malignant hematopoietic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 9082-6	11.5	629
153	How telomeres solve the end-protection problem. <i>Science</i> , 2009 , 326, 948-52	33.3	595

152	Control of human telomere length by TRF1 and TRF2. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1659-68	4.8	593
151	A human telomeric protein. <i>Science</i> , 1995 , 270, 1663-7	33.3	532
150	POT1 as a terminal transducer of TRF1 telomere length control. <i>Nature</i> , 2003 , 423, 1013-8	50.4	520
149	Cell-cycle-regulated association of RAD50/MRE11/NBS1 with TRF2 and human telomeres. <i>Nature Genetics</i> , 2000 , 25, 347-52	36.3	509
148	Definition of regions in human c-myc that are involved in transformation and nuclear localization. <i>Molecular and Cellular Biology</i> , 1987 , 7, 1697-709	4.8	481
147	DNA processing is not required for ATM-mediated telomere damage response after TRF2 deletion. <i>Nature Cell Biology</i> , 2005 , 7, 712-8	23.4	469
146	Identification of human Rap1: implications for telomere evolution. <i>Cell</i> , 2000 , 101, 471-83	56.2	451
145	53BP1 promotes non-homologous end joining of telomeres by increasing chromatin mobility. <i>Nature</i> , 2008 , 456, 524-8	50.4	436
144	53BP1 regulates DSB repair using Rif1 to control 5Tend resection. <i>Science</i> , 2013 , 339, 700-4	33.3	431
143	Homologous recombination generates T-loop-sized deletions at human telomeres. <i>Cell</i> , 2004 , 119, 355-68	56.2	418
142	Removal of shelterin reveals the telomere end-protection problem. <i>Science</i> , 2012 , 336, 593-7	33.3	400
141	Loss of ATRX, genome instability, and an altered DNA damage response are hallmarks of the alternative lengthening of telomeres pathway. <i>PLoS Genetics</i> , 2012 , 8, e1002772	6	385
140	Chromothripsis and Kataegis Induced by Telomere Crisis. <i>Cell</i> , 2015 , 163, 1641-54	56.2	371
139	T-loop assembly in vitro involves binding of TRF2 near the 3' telomeric overhang. <i>EMBO Journal</i> , 2001 , 20, 5532-40	13	367
138	Different telomere damage signaling pathways in human and mouse cells. <i>EMBO Journal</i> , 2002 , 21, 4338-48	13	353
137	Tankyrase promotes telomere elongation in human cells. <i>Current Biology</i> , 2000 , 10, 1299-302	6.3	343
136	T-loops and the origin of telomeres. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 323-9	48.7	340
135	Telomeres in cancer: tumour suppression and genome instability. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 175-186	48.7	333

134	ERCC1/XPF removes the 3' overhang from uncapped telomeres and represses formation of telomeric DNA-containing double minute chromosomes. <i>Molecular Cell</i> , 2003 , 12, 1489-98	17.6	319
133	POT1-interacting protein PIP1: a telomere length regulator that recruits POT1 to the TIN2/TRF1 complex. <i>Genes and Development</i> , 2004 , 18, 1649-54	12.6	318
132	Super-resolution fluorescence imaging of telomeres reveals TRF2-dependent T-loop formation. <i>Cell</i> , 2013 , 155, 345-356	56.2	315
131	Recent expansion of the telomeric complex in rodents: Two distinct POT1 proteins protect mouse telomeres. <i>Cell</i> , 2006 , 126, 63-77	56.2	310
130	The causes and consequences of polyploidy in normal development and cancer. <i>Annual Review of Cell and Developmental Biology</i> , 2011 , 27, 585-610	12.6	301
129	DNA ligase IV-dependent NHEJ of deprotected mammalian telomeres in G1 and G2. <i>Current Biology</i> , 2002 , 12, 1635-44	6.3	301
128	Shelterin-Mediated Telomere Protection. <i>Annual Review of Genetics</i> , 2018 , 52, 223-247	14.5	275
127	The telomeric protein TRF2 binds the ATM kinase and can inhibit the ATM-dependent DNA damage response. <i>PLoS Biology</i> , 2004 , 2, E240	9.7	261
126	An analysis of cosmid clones of nuclear DNA from <i>Trypanosoma brucei</i> shows that the genes for variant surface glycoproteins are clustered in the genome. <i>Nucleic Acids Research</i> , 1982 , 10, 5905-23	20.1	245
125	Beta-globin gene inactivation by DNA translocation in gamma beta-thalassaemia. <i>Nature</i> , 1983 , 306, 662-6	50.4	243
124	53BP1: pro choice in DNA repair. <i>Trends in Cell Biology</i> , 2014 , 24, 108-17	18.3	240
123	Activation of telomerase in a human tumor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 2882-5	11.5	236
122	POT1 protects telomeres from a transient DNA damage response and determines how human chromosomes end. <i>EMBO Journal</i> , 2005 , 24, 2667-78	13	235
121	TRF1 is a dimer and bends telomeric DNA. <i>EMBO Journal</i> , 1997 , 16, 1785-94	13	234
120	TIN2 binds TRF1 and TRF2 simultaneously and stabilizes the TRF2 complex on telomeres. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47264-71	5.4	229
119	Ku70 stimulates fusion of dysfunctional telomeres yet protects chromosome ends from homologous recombination. <i>Nature Cell Biology</i> , 2006 , 8, 885-90	23.4	224
118	Human telomeres are attached to the nuclear matrix.. <i>EMBO Journal</i> , 1992 , 11, 717-724	13	220
117	Telomeric 3' overhangs derive from resection by Exo1 and Apollo and fill-in by POT1b-associated CST. <i>Cell</i> , 2012 , 150, 39-52	56.2	204

116	Persistent telomere damage induces bypass of mitosis and tetraploidy. <i>Cell</i> , 2010 , 141, 81-93	56.2	204
115	A mammalian factor that binds telomeric TTAGGG repeats in vitro. <i>Molecular and Cellular Biology</i> , 1992 , 12, 4834-43	4.8	204
114	Loss of Rap1 induces telomere recombination in the absence of NHEJ or a DNA damage signal. <i>Science</i> , 2010 , 327, 1657-61	33.3	196
113	Structure, subnuclear distribution, and nuclear matrix association of the mammalian telomeric complex. <i>Journal of Cell Biology</i> , 1996 , 135, 867-81	7.3	194
112	53BP1-RIF1-shieldin counteracts DSB resection through CST- and Pol δ -dependent fill-in. <i>Nature</i> , 2018 , 560, 112-116	50.4	191
111	A shared docking motif in TRF1 and TRF2 used for differential recruitment of telomeric proteins. <i>Science</i> , 2008 , 319, 1092-6	33.3	189
110	Unusual chromatin in human telomeres. <i>Molecular and Cellular Biology</i> , 1994 , 14, 5777-85	4.8	188
109	RNA splicing is required to make the messenger RNA for a variant surface antigen in trypanosomes. <i>Nucleic Acids Research</i> , 1982 , 10, 3591-604	20.1	183
108	53BP1 and the LINC Complex Promote Microtubule-Dependent DSB Mobility and DNA Repair. <i>Cell</i> , 2015 , 163, 880-93	56.2	181
107	Genomic environment of the expression-linked extra copies of genes for surface antigens of <i>Trypanosoma brucei</i> resembles the end of a chromosome. <i>Nature</i> , 1982 , 299, 451-3	50.4	180
106	Tel2 regulates the stability of PI3K-related protein kinases. <i>Cell</i> , 2007 , 131, 1248-59	56.2	178
105	Significant role for p16INK4a in p53-independent telomere-directed senescence. <i>Current Biology</i> , 2004 , 14, 2302-8	6.3	177
104	Stringent sequence requirements for the formation of human telomeres. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 8861-5	11.5	172
103	In vivo stoichiometry of shelterin components. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1457-67	5.4	163
102	Structure of the TRFH dimerization domain of the human telomeric proteins TRF1 and TRF2. <i>Molecular Cell</i> , 2001 , 8, 351-61	17.6	161
101	t-loops at trypanosome telomeres. <i>EMBO Journal</i> , 2001 , 20, 579-88	13	159
100	Telomere-driven tetraploidization occurs in human cells undergoing crisis and promotes transformation of mouse cells. <i>Cancer Cell</i> , 2012 , 21, 765-76	24.3	158
99	Telomere protection by TPP1/POT1 requires tethering to TIN2. <i>Molecular Cell</i> , 2011 , 44, 647-59	17.6	154

98	Human Rif1, ortholog of a yeast telomeric protein, is regulated by ATM and 53BP1 and functions in the S-phase checkpoint. <i>Genes and Development</i> , 2004 , 18, 2108-19	12.6	152
97	TRF1 binds a bipartite telomeric site with extreme spatial flexibility. <i>EMBO Journal</i> , 1999 , 18, 5735-44	13	151
96	Telomeres and senescence: ending the debate. <i>Science</i> , 1998 , 279, 334-5	33.3	150
95	Tandem repetition of the 5Tmini-exon of variant surface glycoprotein genes: a multiple promoter for VSG gene transcription?. <i>Cell</i> , 1983 , 34, 891-900	56.2	148
94	CK2 phospho-dependent binding of R2TP complex to TEL2 is essential for mTOR and SMG1 stability. <i>Molecular Cell</i> , 2010 , 39, 839-50	17.6	145
93	Apollo, an Artemis-related nuclease, interacts with TRF2 and protects human telomeres in S phase. <i>Current Biology</i> , 2006 , 16, 1295-302	6.3	143
92	TIN2 is a tankyrase 1 PARP modulator in the TRF1 telomere length control complex. <i>Nature Genetics</i> , 2004 , 36, 618-23	36.3	141
91	Telomere protection by mammalian Pot1 requires interaction with Tpp1. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 754-61	17.6	140
90	Comparison of the genes coding for the common 5Tterminal sequence of messenger RNAs in three trypanosome species. <i>Nucleic Acids Research</i> , 1984 , 12, 4431-43	20.1	139
89	Targeted deletion reveals an essential function for the telomere length regulator Trf1. <i>Molecular and Cellular Biology</i> , 2003 , 23, 6533-41	4.8	137
88	Tel2 structure and function in the Hsp90-dependent maturation of mTOR and ATR complexes. <i>Genes and Development</i> , 2010 , 24, 2019-30	12.6	135
87	Telomere-related genome instability in cancer. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2005 , 70, 197-204	3.9	131
86	Mammalian meiotic telomeres: protein composition and redistribution in relation to nuclear pores. <i>Molecular Biology of the Cell</i> , 2000 , 11, 4189-203	3.5	129
85	Two modes of activation of a single surface antigen gene of <i>Trypanosoma brucei</i> . <i>Cell</i> , 1984 , 36, 163-70	56.2	125
84	Many trypanosome messenger RNAs share a common 5Tterminal sequence. <i>Nucleic Acids Research</i> , 1984 , 12, 3777-90	20.1	124
83	Rap1 affects the length and heterogeneity of human telomeres. <i>Molecular Biology of the Cell</i> , 2003 , 14, 5060-8	3.5	123
82	A map of the distal region of the long arm of human chromosome 21 constructed by radiation hybrid mapping and pulsed-field gel electrophoresis. <i>Genomics</i> , 1991 , 9, 19-30	4.3	122
81	TRF1 negotiates TTAGGG repeat-associated replication problems by recruiting the BLM helicase and the TPP1/POT1 repressor of ATR signaling. <i>Genes and Development</i> , 2014 , 28, 2477-91	12.6	119

80	TRF1 promotes parallel pairing of telomeric tracts in vitro. <i>Journal of Molecular Biology</i> , 1998 , 278, 79-88	6.5	119
79	DNA binding features of human POT1: a nonamer 5TTAGGGTTAG-3T minimal binding site, sequence specificity, and internal binding to multimeric sites. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13241-8	5.4	115
78	How shelterin solves the telomere end-protection problem. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2010 , 75, 167-77	3.9	114
77	Apollo contributes to G overhang maintenance and protects leading-end telomeres. <i>Molecular Cell</i> , 2010 , 39, 606-17	17.6	110
76	Ku binds telomeric DNA in vitro. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21223-7	5.4	104
75	Mammalian Rif1 contributes to replication stress survival and homology-directed repair. <i>Journal of Cell Biology</i> , 2009 , 187, 385-98	7.3	101
74	For better or worse? Telomerase inhibition and cancer. <i>Cell</i> , 1999 , 98, 273-5	56.2	98
73	Functional dissection of human and mouse POT1 proteins. <i>Molecular and Cellular Biology</i> , 2009 , 29, 471-82	11.2	93
72	TRF1, a mammalian telomeric protein. <i>Trends in Genetics</i> , 1997 , 13, 21-6	8.5	93
71	Engineered telomere degradation models dyskeratosis congenita. <i>Genes and Development</i> , 2008 , 22, 1773-85	12.6	90
70	Hepatocytes with extensive telomere deprotection and fusion remain viable and regenerate liver mass through endoreduplication. <i>Genes and Development</i> , 2006 , 20, 2648-53	12.6	90
69	The role of double-strand break repair pathways at functional and dysfunctional telomeres. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a016576	10.2	89
68	Telomere protection by TPP1 is mediated by POT1a and POT1b. <i>Molecular and Cellular Biology</i> , 2010 , 30, 1059-66	4.8	88
67	53BP1: a DSB escort. <i>Genes and Development</i> , 2020 , 34, 7-23	12.6	88
66	ATM and ATR Signaling Regulate the Recruitment of Human Telomerase to Telomeres. <i>Cell Reports</i> , 2015 , 13, 1633-46	10.6	84
65	Cell cycle-dependent role of MRN at dysfunctional telomeres: ATM signaling-dependent induction of nonhomologous end joining (NHEJ) in G1 and resection-mediated inhibition of NHEJ in G2. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5552-63	4.8	84
64	Discontinuous synthesis of mRNA in trypanosomes. <i>EMBO Journal</i> , 1984 , 3, 2387-2392	13	84
63	Telomere conversion in trypanosomes. <i>Nucleic Acids Research</i> , 1983 , 11, 8149-65	20.1	78

62	MDC1 accelerates nonhomologous end-joining of dysfunctional telomeres. <i>Genes and Development</i> , 2006 , 20, 3238-43	12.6	74
61	Telomeric structure in cells with chromosome end associations. <i>Chromosoma</i> , 1993 , 102, 121-8	2.8	73
60	Comparison of the human and mouse genes encoding the telomeric protein, TRF1: chromosomal localization, expression and conserved protein domains. <i>Human Molecular Genetics</i> , 1997 , 6, 69-76	5.6	72
59	p16INK4a as a second effector of the telomere damage pathway. <i>Cell Cycle</i> , 2005 , 4, 1364-8	4.7	72
58	Cell cycle control of telomere protection and NHEJ revealed by a ts mutation in the DNA-binding domain of TRF2. <i>Genes and Development</i> , 2008 , 22, 1221-30	12.6	70
57	A Shld1-controlled POT1a provides support for repression of ATR signaling at telomeres through RPA exclusion. <i>Molecular Cell</i> , 2010 , 40, 377-87	17.6	66
56	A <i>Xenopus</i> egg factor with DNA-binding properties characteristic of terminus-specific telomeric proteins. <i>Genes and Development</i> , 1993 , 7, 883-94	12.6	62
55	Unlimited mileage from telomerase?. <i>Science</i> , 1999 , 283, 947-9	33.3	56
54	Cell biology. Telomere capping--one strand fits all. <i>Science</i> , 2001 , 292, 1075-6	33.3	55
53	The role of the poly(ADP-ribose) polymerase tankyrase1 in telomere length control by the TRF1 component of the shelterin complex. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22662-7	5.4	54
52	Role of 53BP1 oligomerization in regulating double-strand break repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2146-51	11.5	53
51	Telomere-Internal Double-Strand Breaks Are Repaired by Homologous Recombination and PARP1/Lig3-Dependent End-Joining. <i>Cell Reports</i> , 2016 , 17, 1646-1656	10.6	52
50	TRF2-tethered TIN2 can mediate telomere protection by TPP1/POT1. <i>Molecular and Cellular Biology</i> , 2014 , 34, 1349-62	4.8	51
49	A POT1 mutation implicates defective telomere end fill-in and telomere truncations in Coats plus. <i>Genes and Development</i> , 2016 , 30, 812-26	12.6	50
48	Mutations that affect meiosis in male mice influence the dynamics of the mid-preleptotene and bouquet stages. <i>Experimental Cell Research</i> , 2006 , 312, 3768-81	4.2	50
47	The control of variant surface antigen synthesis in trypanosomes. <i>FEBS Journal</i> , 1983 , 137, 383-9		48
46	TRF2 binds branched DNA to safeguard telomere integrity. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 734-742	17.6	47
45	TALEN gene knockouts reveal no requirement for the conserved human shelterin protein Rap1 in telomere protection and length regulation. <i>Cell Reports</i> , 2014 , 9, 1273-80	10.6	47

44	Distinct Classes of Complex Structural Variation Uncovered across Thousands of Cancer Genome Graphs. <i>Cell</i> , 2020 , 183, 197-210.e32	56.2	45
43	Shelterin. <i>Current Biology</i> , 2016 , 26, R397-9	6.3	45
42	Telomere Recognition and Assembly Mechanism of Mammalian Shelterin. <i>Cell Reports</i> , 2017 , 18, 41-53	10.6	43
41	APOBEC3-dependent kataegis and TREX1-driven chromothripsis during telomere crisis. <i>Nature Genetics</i> , 2020 , 52, 884-890	36.3	43
40	NMR structure of the hRap1 Myb motif reveals a canonical three-helix bundle lacking the positive surface charge typical of Myb DNA-binding domains. <i>Journal of Molecular Biology</i> , 2001 , 312, 167-75	6.5	42
39	A loopy view of telomere evolution. <i>Frontiers in Genetics</i> , 2015 , 6, 321	4.5	41
38	Tubulin mRNAs of <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1986 , 188, 393-402	6.5	40
37	TPP1 Blocks an ATR-Mediated Resection Mechanism at Telomeres. <i>Molecular Cell</i> , 2016 , 61, 236-46	17.6	39
36	A TIN2 dyskeratosis congenita mutation causes telomerase-independent telomere shortening in mice. <i>Genes and Development</i> , 2014 , 28, 153-66	12.6	38
35	A TRF1-controlled common fragile site containing interstitial telomeric sequences. <i>Chromosoma</i> , 2012 , 121, 465-74	2.8	38
34	Autoantibodies to DEK oncoprotein in a patient with systemic lupus erythematosus and sarcoidosis. <i>Arthritis and Rheumatism</i> , 1998 , 41, 1505-10		35
33	Energy requirement for maintenance of the transmembrane potassium gradient in <i>Klebsiella aerogenes</i> NCTC 418: a continuous culture study. <i>Archives of Microbiology</i> , 1979 , 123, 183-8	3	34
32	No overt nucleosome eviction at deprotected telomeres. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5724-35	4.5	33
31	Nuclear Envelope Rupture Is Enhanced by Loss of p53 or Rb. <i>Molecular Cancer Research</i> , 2017 , 15, 1579-1586	15.86	32
30	Binding of TPP1 protein to TIN2 protein is required for POT1a,b protein-mediated telomere protection. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24180-7	5.4	32
29	The DDR at telomeres lacking intact shelterin does not require substantial chromatin decompaction. <i>Genes and Development</i> , 2017 , 31, 578-589	12.6	31
28	Rap1-independent telomere attachment and bouquet formation in mammalian meiosis. <i>Chromosoma</i> , 2011 , 120, 151-7	2.8	31
27	Coincident multiple activations of the same surface antigen gene in <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1987 , 194, 81-90	6.5	30

26	Rapid change of the repertoire of variant surface glycoprotein genes in trypanosomes by gene duplication and deletion. <i>Journal of Molecular Biology</i> , 1986 , 190, 1-10	6.5	27
25	The role of ferritin in developing primary bean leaves under various light conditions. <i>Planta</i> , 1981 , 153, 338-42	4.7	27
24	Taking apart Rap1: an adaptor protein with telomeric and non-telomeric functions. <i>Cell Cycle</i> , 2010 , 9, 4061-7	4.7	25
23	Transcription of a transposed trypanosome surface antigen gene starts upstream of the transposed segment.. <i>EMBO Journal</i> , 1985 , 4, 3299-3306	13	21
22	A new connection at human telomeres: association of the Mre11 complex with TRF2. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2000 , 65, 265-73	3.9	19
21	Protection of telomeres 1 proteins POT1a and POT1b can repress ATR signaling by RPA exclusion, but binding to CST limits ATR repression by POT1b. <i>Journal of Biological Chemistry</i> , 2018 , 293, 14384-14392	5.4	19
20	Break-induced replication promotes fragile telomere formation. <i>Genes and Development</i> , 2020 , 34, 1392-1405	11.0	18
19	ATRX affects the repair of telomeric DSBs by promoting cohesion and a DAXX-dependent activity. <i>PLoS Biology</i> , 2020 , 18, e3000594	9.7	17
18	PHF11 promotes DSB resection, ATR signaling, and HR. <i>Genes and Development</i> , 2017 , 31, 46-58	12.6	15
17	Telomere biology and DNA repair: enemies with benefits. <i>FEBS Letters</i> , 2010 , 584, 3673-4	3.8	14
16	Chromosomal mapping of the tankyrase gene in human and mouse. <i>Genomics</i> , 1999 , 57, 320-1	4.3	14
15	Characterization of t-loop formation by TRF2. <i>Nucleus</i> , 2020 , 11, 164-177	3.9	9
14	Telomerase regulation at the telomere: a binary switch. <i>Cell</i> , 2004 , 117, 279-80	56.2	9
13	The molecular biology of antigenic variation in trypanosomes: gene rearrangements and discontinuous transcription. <i>International Review of Cytology</i> , 1986 , 99, 85-117		9
12	APOBEC3B-dependent kataegis and TREX1-driven chromothripsis in telomere crisis		9
11	is a haploinsufficient tumor suppressor that limits telomere length. <i>ELife</i> , 2020 , 9,	8.9	7
10	Lasker Laurels for telomerase. <i>Cell</i> , 2006 , 126, 1017-20	56.2	6
9	In search of vertebrate telomeric proteins. <i>Seminars in Cell and Developmental Biology</i> , 1996 , 7, 23-29	7.5	6

8	What I got wrong about shelterin. <i>Journal of Biological Chemistry</i> , 2018 , 293, 10453-10456	5.4	5
7	53BP1-shieldin-dependent DSB processing in BRCA1-deficient cells requires CST-Pol ϵ primase fill-in synthesis.. <i>Nature Cell Biology</i> , 2022 , 24, 51-61	23.4	4
6	Protection of mammalian telomeres		4
5	Not just Salk. <i>Science</i> , 2017 , 357, 1105-1106	33.3	3
4	Structural variant evolution after telomere crisis. <i>Nature Communications</i> , 2021 , 12, 2093	17.4	3
3	The evolution of metazoan shelterin. <i>Genes and Development</i> , 2021 , 35, 1625-1641	12.6	2
2	Human telomerase caught in the act. <i>Cell</i> , 2009 , 138, 432-4	56.2	1
1	Expression of BRCA1, BRCA2, RAD51, and other DSB repair factors is regulated by CRL4.. <i>DNA Repair</i> , 2022 , 113, 103320	4.3	0