Joachim Lingner

List of Publications by Year
in descending order

86 papers	12,088 citations	36303 51 h-index	49909 87 g-index
92 all docs	92 docs citations	92 times ranked	9062 citing authors

#	Article	IF	Citations
1	Telomerase Catalytic Subunit Homologs from Fission Yeast and Human. Science, 1997, 277, 955-959.	12.6	2,138
2	Telomeric Repeatâ€“Containing RNA and RNA Surveillance Factors at Mammalian Chromosome Ends. Science, 2007, 318, 798-801.	12.6	1,140
3	Direct activation of TERT transcription by c-MYC. Nature Genetics, 1999, 21, 220-224.	21.4	808
4	Telomere Length Homeostasis Is Achieved via a Switch between Telomerase- Extendible and -Nonextendible States. Cell, 2004, 117, 323-335.	28.9	456
5	The non-coding RNA TERRA is a natural ligand and direct inhibitor of human telomerase. Nucleic Acids Research, 2010, 38, 5797-5806.	14.5	318
6	The human CST complex is a terminator of telomerase activity. Nature, 2012, 488, 540-544.	27.8	287
7	Telomere length homeostasis requires that telomerase levels are limiting. EMBO Journal, 2006, 25, 565-574.	7.8	282
8	The Rat1p 5â€² to 3â€² Exonuclease Degrades Telomeric Repeat-Containing RNA and Promotes Telomere Elongation in Saccharomyces cerevisiae. Molecular Cell, 2008, 32, 465-477.	9.7	274
9	Telomere length homeostasis. Chromosoma, 2006, 115, 413-425.	2.2	265
10	Reevaluation of telomerase inhibition by quadruplex ligands and their mechanisms of action. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17347-17352.	7.1	265
11	Mechanism of Human Telomerase Inhibition by BIBR1532, a Synthetic, Non-nucleosidic Drug Candidate. Journal of Biological Chemistry, 2002, 277, 15566-15572.	3.4	252
12	TERRA: telomeric repeat-containing RNA. EMBO Journal, 2009, 28, 2503-2510.	7.8	245
13	Functional characterization of the TERRA transcriptome at damaged telomeres. Nature Communications, 2014, 5, 5379.	12.8	212
14	TIN2-Tethered TPP1 Recruits Human Telomerase to Telomeres In Vivo. Molecular and Cellular Biology, 2010, 30, 2971-2982.	2.3	206
15	Molecular Dissection of Telomeric Repeat-Containing RNA Biogenesis Unveils the Presence of Distinct and Multiple Regulatory Pathways. Molecular and Cellular Biology, 2010, 30, 4808-4817.	2.3	198
16	Telomere functions grounding on TERRA firma. Trends in Cell Biology, 2015, 25, 29-36.	7.9	190
17	The Human RNA Surveillance Factor UPF1 Is Required for S Phase Progression and Genome Stability. Current Biology, 2006, 16, 433-439.	3.9	181
18	A Human Homolog of Yeast Est1 Associates with Telomerase and Uncaps Chromosome Ends When Overexpressed. Current Biology, 2003, 13, 568-574.	3.9	180

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19	Regulation of the human telomerase reverse transcriptase gene. Oncogene, 2002, 21, 541-552.	5.9	177
20	Human Protection of Telomeres 1 (POT1) Is a Negative Regulator of Telomerase Activity In Vitro. Molecular and Cellular Biology, 2005, 25, 808-818.	2.3	175
21	Human Telomerase RNA Accumulation in Cajal Bodies Facilitates Telomerase Recruitment to Telomeres and Telomere Elongation. Molecular Cell, 2007, 27, 882-889.	9.7	161
22	RAD51-dependent recruitment of TERRA lncRNA to telomeres through R-loops. Nature, 2020, 587, 303-308.	27.8	140
23	The FIP1 gene encodes a component of a yeast pre-mRNA polyadenylation factor that directly interacts with poly(A) polymerase. Cell, 1995, 81, 379-389.	28.9	137
24	Telomerase repeat addition processivity is increased at critically short telomeres in a Tel1-dependent manner in Saccharomyces cerevisiae. Genes and Development, 2007, 21, 2485-2494.	5.9	134
25	TERRA Promotes Telomere Shortening through Exonuclease 1â€“Mediated Resection of Chromosome Ends. PLoS Genetics, 2012, 8, e1002747.	3.5	132
26	Cloning and expression of the essential gene for poly(A) polymerase from S. cerevisiae. Nature, 1991, 354, 496-498.	27.8	131
27	Telomerase: biochemical considerations for enzyme and substrate. Trends in Biochemical Sciences, 2002, 27, 572-579.	7.5	131
28	TERRA biogenesis, turnover and implications for function. FEBS Letters, 2010, 584, 3812-3818.	2.8	125
29	The THO complex component Thp2 counteracts telomeric R-loops and telomere shortening. EMBO Journal, 2013, 32, 2861-2871.	7.8	125
30	Basis for changes in DNA recognition by the Type I DNA restriction and modification enzymes. Journal of Molecular Biology, 1989, 205, 115-125.	4.2	120
31	Structure of active dimeric human telomerase. Nature Structural and Molecular Biology, 2013, 20, 454-460.	8.2	115
32	Telomerase and chromosome end maintenance. Current Opinion in Genetics and Development, 1998, 8, 226-232.	3.3	113
33	TERRA-Reinforced Association of LSD1 with MRE11 Promotes Processing of Uncapped Telomeres. Cell Reports, 2014, 6, 765-776.	6.4	109
34	Replication of Telomeres and the Regulation of Telomerase. Cold Spring Harbor Perspectives in Biology, 2013, 5, a010405-a010405.	5.5	102
35	Telomeres: The silence is broken. Cell Cycle, 2008, 7, 1161-1165.	2.6	101
36	Molecular basis of telomere syndrome caused by CTC1 mutations. Genes and Development, 2013, 27, 2099-2108.	5.9	101

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37	A quantitative telomeric chromatin isolation protocol identifies different telomeric states. Nature Communications, 2013, 4, 2848.	12.8	95
38	Impact of oxidative stress on telomere biology. Differentiation, 2018, 99, 21-27.	1.9	95
39	Subtelomeric repetitive elements determine TERRA regulation by Rap1/Rif and Rap1/Sir complexes in yeast. EMBO Reports, 2011, 12, 587-593.	4.5	89
40	The PIAS homologue Siz2 regulates perinuclear telomere position and telomerase activity in buddingÂyeast. Nature Cell Biology, 2011, 13, 867-874.	10.3	88
41	Tel1 kinase and subtelomereâ€bound Tbf1 mediate preferential elongation of short telomeres by telomerase in yeast. EMBO Reports, 2007, 8, 1080-1085.	4.5	86
42	Peroxiredoxin 1 Protects Telomeres from Oxidative Damage and Preserves Telomeric DNA for Extension by Telomerase. Cell Reports, 2016, 17, 3107-3114.	6.4	85
43	A three-state model for the regulation of telomerase by TERRA and hnRNPA1. Nucleic Acids Research, 2013, 41, 9117-9128.	14.5	80
44	3â€²-end labeling of RNA with recombinant yeast poly(A) polymerase. Nucleic Acids Research, 1993, 21, 2917-2920.	14.5	70
45	Molecular Basis for Telomere Repeat Divergence in Budding Yeast. Molecular and Cellular Biology, 2001, 21, 7277-7286.	2.3	67
46	Intracellular trafficking of yeast telomerase components. EMBO Reports, 2002, 3, 652-659.	4.5	66
47	Saccharomyces cerevisiae Ebs1p is a putative ortholog of human Smg7 and promotes nonsense-mediated mRNA decay. Nucleic Acids Research, 2007, 35, 7688-7697.	14.5	63
48	A practical qPCR approach to detect TERRA, the elusive telomeric repeat-containing RNA. Methods, 2017, 114, 39-45.	3.8	62
49	Telomerase limits the extent of base pairing between template RNA and telomeric DNA. EMBO Reports, 2005, 6, 361-366.	4.5	61
50	CST for the grand finale of telomere replication. Nucleus, 2013, 4, 277-282.	2.2	58
51	The telomeric DNA damage response occurs in the absence of chromatin decompaction. Genes and Development, 2017, 31, 567-577.	5.9	58
52	Expression and differential regulation of human TERRA at several chromosome ends. Rna, 2019, 25, 1470-1480.	3.5	58
53	PRDX1 and MTH1 cooperate to prevent ROS-mediated inhibition of telomerase. Genes and Development, 2018, 32, 658-669.	5.9	53
54	Proteinâ€“RNA and proteinâ€“protein interactions mediate association of human EST1A/SMG6 with telomerase. Nucleic Acids Research, 2007, 35, 7011-7022.	14.5	52

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55	The Double Life of UPF1 in RNA and DNA Stability Pathways. Cell Cycle, 2006, 5, 1496-1498.	2.6	49
56	Telomere Length Homeostasis Responds to Changes in Intracellular dNTP Pools. Genetics, 2013, 193, 1095-1105.	2.9	44
57	The finger subdomain of yeast telomerase cooperates with Pif1p to limit telomere elongation. Nature Structural and Molecular Biology, 2006, 13, 734-739.	8.2	43
58	The makings of TERRA R-loops at chromosome ends. Cell Cycle, 2021, 20, 1745-1759.	2.6	36
59	Low- to high-throughput analysis of telomerase modulators with Telospot. Nature Methods, 2007, 4, 851-853.	19.0	32
60	Human shelterin protein <scp>POT</scp> 1 prevents severe telomere instability induced by homologyâ€directed <scp>DNA</scp> repair. EMBO Journal, 2020, 39, e104500.	7.8	30
61	Telomerase Is Essential to Alleviate Pif1-Induced Replication Stress at Telomeres. Genetics, 2009, 183, 779-791.	2.9	28
62	AUF1/HnRNP D RNA Binding Protein Functions in Telomere Maintenance. Molecular Cell, 2012, 47, 1-2.	9.7	28
63	The Shelterin Component TPP1 Is a Binding Partner and Substrate for the Deubiquitinating Enzyme USP7. Journal of Biological Chemistry, 2014, 289, 28595-28606.	3.4	23
64	Yeast telomerase is specialized for C/A-rich RNA templates. Nucleic Acids Research, 2003, 31, 1646-1655.	14.5	20
65	Specific binding of telomeric G-quadruplexes by hydrosoluble perylene derivatives inhibits repeat addition processivity of human telomerase. Biochimie, 2012, 94, 854-863.	2.6	19
66	Transformation-induced stress at telomeres is counteracted through changes in the telomeric proteome including SAMHD1. Life Science Alliance, 2018, 1, e201800121.	2.8	18
67	Rearrangements of minisatellites in the human telomerase reverse transcriptase gene are not correlated with its expression in colon carcinomas. Oncogene, 2001, 20, 2600-2605.	5.9	16
68	Telomerase Unplugged. ACS Chemical Biology, 2007, 2, 155-158.	3.4	16
69	CSL controls telomere maintenance and genome stability in human dermal fibroblasts. Nature Communications, 2019, 10, 3884.	12.8	16
70	Telomerase Inhibitors from Cyanobacteria: Isolation and Synthesis of Sulfoquinovosyl Diacylglycerols from Microcystis aeruginosa PCC 7806. Chemistry - A European Journal, 2013, 19, 4596-4601.	3.3	15
71	PRDX1 Counteracts Catastrophic Telomeric Cleavage Events That Are Triggered by DNA Repair Activities Post Oxidative Damage. Cell Reports, 2020, 33, 108347.	6.4	15
72	The human telomeric proteome during telomere replication. Nucleic Acids Research, 2021, 49, 12119-12135.	14.5	15

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73	<scp>SMCHD</scp> 1 promotes <scp>ATM</scp> â€dependent <scp>DNA</scp> damage signaling and repair of uncapped telomeres. EMBO Journal, 2020, 39, e102668.	7.8	14
74	Challenging endings: How telomeres prevent fragility. BioEssays, 2021, 43, 2100157.	2.5	11
75	Fingering the Ends. Cell, 2003, 113, 552-554.	28.9	10
76	Telomerase and the Chromosome end Replication Problem. Novartis Foundation Symposium, 1997, 211, 20-40.	1.1	10
77	CELL BIOLOGY: Telomere Wedding Ends in Divorce. Science, 2004, 304, 60-62.	12.6	8
78	Tel2 Finally Tells One Story. Science, 2008, 320, 60-61.	12.6	8
79	Quantitative telomeric chromatin isolation protocol for human cells. Methods, 2017, 114, 28-38.	3.8	8
80	An Affinity Oligonucleotide Displacement Strategy to Purify Ribonucleoprotein Complexes Applied to Human Telomerase. Methods in Molecular Biology, 2008, 488, 9-22.	0.9	8
81	TZAP or not to zap telomeres. Science, 2017, 355, 578-579.	12.6	7
82	Damage control. Nature, 2007, 448, 1001-1002.	27.8	6
83	When Telomerase Causes Telomere Loss. Developmental Cell, 2018, 44, 281-283.	7.0	6
84	Related Mechanisms for End Processing at Telomeres and DNA Double-Strand Breaks. Molecular Cell, 2009, 35, 137-138.	9.7	3
85	A Role for Human DNA Polymerase Î» in Alternative Lengthening of Telomeres. International Journal of Molecular Sciences, 2021, 22, 2365.	4.1	3
86	ALT Telomeres Get Together with Nuclear Receptors. Cell, 2015, 160, 811-813.	28.9	2