

Joachim Lingner

List of Publications by Year in descending order

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86
papers

12,088
citations

36203

51
h-index

49773

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. <i>Science</i> , 1997, 277, 955-959.	6.0	2,138
2	Telomeric Repeat-Containing RNA and RNA Surveillance Factors at Mammalian Chromosome Ends. <i>Science</i> , 2007, 318, 798-801.	6.0	1,140
3	Direct activation of TERT transcription by c-MYC. <i>Nature Genetics</i> , 1999, 21, 220-224.	9.4	808
4	Telomere Length Homeostasis Is Achieved via a Switch between Telomerase-Extendible and -Nonextendible States. <i>Cell</i> , 2004, 117, 323-335.	13.5	456
5	The non-coding RNA TERRA is a natural ligand and direct inhibitor of human telomerase. <i>Nucleic Acids Research</i> , 2010, 38, 5797-5806.	6.5	318
6	The human CST complex is a terminator of telomerase activity. <i>Nature</i> , 2012, 488, 540-544.	13.7	287
7	Telomere length homeostasis requires that telomerase levels are limiting. <i>EMBO Journal</i> , 2006, 25, 565-574.	3.5	282
8	The Rat1p 5' to 3' Exonuclease Degrades Telomeric Repeat-Containing RNA and Promotes Telomere Elongation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Cell</i> , 2008, 32, 465-477.	4.5	274
9	Telomere length homeostasis. <i>Chromosoma</i> , 2006, 115, 413-425.	1.0	265
10	Reevaluation of telomerase inhibition by quadruplex ligands and their mechanisms of action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17347-17352.	3.3	265
11	Mechanism of Human Telomerase Inhibition by BIBR1532, a Synthetic, Non-nucleosidic Drug Candidate. <i>Journal of Biological Chemistry</i> , 2002, 277, 15566-15572.	1.6	252
12	TERRA: telomeric repeat-containing RNA. <i>EMBO Journal</i> , 2009, 28, 2503-2510.	3.5	245
13	Functional characterization of the TERRA transcriptome at damaged telomeres. <i>Nature Communications</i> , 2014, 5, 5379.	5.8	212
14	TIN2-Tethered TPP1 Recruits Human Telomerase to Telomeres <i>In Vivo</i> . <i>Molecular and Cellular Biology</i> , 2010, 30, 2971-2982.	1.1	206
15	Molecular Dissection of Telomeric Repeat-Containing RNA Biogenesis Unveils the Presence of Distinct and Multiple Regulatory Pathways. <i>Molecular and Cellular Biology</i> , 2010, 30, 4808-4817.	1.1	198
16	Telomere functions grounding on TERRA firma. <i>Trends in Cell Biology</i> , 2015, 25, 29-36.	3.6	190
17	The Human RNA Surveillance Factor UPF1 Is Required for S Phase Progression and Genome Stability. <i>Current Biology</i> , 2006, 16, 433-439.	1.8	181
18	A Human Homolog of Yeast Est1 Associates with Telomerase and Uncaps Chromosome Ends When Overexpressed. <i>Current Biology</i> , 2003, 13, 568-574.	1.8	180

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19	Regulation of the human telomerase reverse transcriptase gene. <i>Oncogene</i> , 2002, 21, 541-552.	2.6	177
20	Human Protection of Telomeres 1 (POT1) Is a Negative Regulator of Telomerase Activity In Vitro. <i>Molecular and Cellular Biology</i> , 2005, 25, 808-818.	1.1	175
21	Human Telomerase RNA Accumulation in Cajal Bodies Facilitates Telomerase Recruitment to Telomeres and Telomere Elongation. <i>Molecular Cell</i> , 2007, 27, 882-889.	4.5	161
22	RAD51-dependent recruitment of TERRA lncRNA to telomeres through R-loops. <i>Nature</i> , 2020, 587, 303-308.	13.7	140
23	The FIP1 gene encodes a component of a yeast pre-mRNA polyadenylation factor that directly interacts with poly(A) polymerase. <i>Cell</i> , 1995, 81, 379-389.	13.5	137
24	Telomerase repeat addition processivity is increased at critically short telomeres in a Tel1-dependent manner in <i>Saccharomyces cerevisiae</i> . <i>Genes and Development</i> , 2007, 21, 2485-2494.	2.7	134
25	TERRA Promotes Telomere Shortening through Exonuclease 1-Mediated Resection of Chromosome Ends. <i>PLoS Genetics</i> , 2012, 8, e1002747.	1.5	132
26	Cloning and expression of the essential gene for poly(A) polymerase from <i>S. cerevisiae</i> . <i>Nature</i> , 1991, 354, 496-498.	13.7	131
27	Telomerase: biochemical considerations for enzyme and substrate. <i>Trends in Biochemical Sciences</i> , 2002, 27, 572-579.	3.7	131
28	TERRA biogenesis, turnover and implications for function. <i>FEBS Letters</i> , 2010, 584, 3812-3818.	1.3	125
29	The THO complex component Thp2 counteracts telomeric R-loops and telomere shortening. <i>EMBO Journal</i> , 2013, 32, 2861-2871.	3.5	125
30	Basis for changes in DNA recognition by the Type I DNA restriction and modification enzymes. <i>Journal of Molecular Biology</i> , 1989, 205, 115-125.	2.0	120
31	Structure of active dimeric human telomerase. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 454-460.	3.6	115
32	Telomerase and chromosome end maintenance. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 226-232.	1.5	113
33	TERRA-Reinforced Association of LSD1 with MRE11 Promotes Processing of Uncapped Telomeres. <i>Cell Reports</i> , 2014, 6, 765-776.	2.9	109
34	Replication of Telomeres and the Regulation of Telomerase. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a010405-a010405.	2.3	102
35	Telomeres: The silence is broken. <i>Cell Cycle</i> , 2008, 7, 1161-1165.	1.3	101
36	Molecular basis of telomere syndrome caused by <i>CTC1</i> mutations. <i>Genes and Development</i> , 2013, 27, 2099-2108.	2.7	101

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37	A quantitative telomeric chromatin isolation protocol identifies different telomeric states. <i>Nature Communications</i> , 2013, 4, 2848.	5.8	95
38	Impact of oxidative stress on telomere biology. <i>Differentiation</i> , 2018, 99, 21-27.	1.0	95
39	Subtelomeric repetitive elements determine TERRA regulation by Rap1/Rif and Rap1/Sir complexes in yeast. <i>EMBO Reports</i> , 2011, 12, 587-593.	2.0	89
40	The PIAS homologue Siz2 regulates perinuclear telomere position and telomerase activity in budding yeast. <i>Nature Cell Biology</i> , 2011, 13, 867-874.	4.6	88
41	Tel1 kinase and subtelomeric bound Tbf1 mediate preferential elongation of short telomeres by telomerase in yeast. <i>EMBO Reports</i> , 2007, 8, 1080-1085.	2.0	86
42	Peroxiredoxin 1 Protects Telomeres from Oxidative Damage and Preserves Telomeric DNA for Extension by Telomerase. <i>Cell Reports</i> , 2016, 17, 3107-3114.	2.9	85
43	A three-state model for the regulation of telomerase by TERRA and hnRNPA1. <i>Nucleic Acids Research</i> , 2013, 41, 9117-9128.	6.5	80
44	3'-end labeling of RNA with recombinant yeast poly(A) polymerase. <i>Nucleic Acids Research</i> , 1993, 21, 2917-2920.	6.5	70
45	Molecular Basis for Telomere Repeat Divergence in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2001, 21, 7277-7286.	1.1	67
46	Intracellular trafficking of yeast telomerase components. <i>EMBO Reports</i> , 2002, 3, 652-659.	2.0	66
47	<i>Saccharomyces cerevisiae</i> Ebs1p is a putative ortholog of human Smg7 and promotes nonsense-mediated mRNA decay. <i>Nucleic Acids Research</i> , 2007, 35, 7688-7697.	6.5	63
48	A practical qPCR approach to detect TERRA, the elusive telomeric repeat-containing RNA. <i>Methods</i> , 2017, 114, 39-45.	1.9	62
49	Telomerase limits the extent of base pairing between template RNA and telomeric DNA. <i>EMBO Reports</i> , 2005, 6, 361-366.	2.0	61
50	CST for the grand finale of telomere replication. <i>Nucleus</i> , 2013, 4, 277-282.	0.6	58
51	The telomeric DNA damage response occurs in the absence of chromatin decompaction. <i>Genes and Development</i> , 2017, 31, 567-577.	2.7	58
52	Expression and differential regulation of human TERRA at several chromosome ends. <i>Rna</i> , 2019, 25, 1470-1480.	1.6	58
53	PRDX1 and MTH1 cooperate to prevent ROS-mediated inhibition of telomerase. <i>Genes and Development</i> , 2018, 32, 658-669.	2.7	53
54	Protein-RNA and protein-protein interactions mediate association of human EST1A/SMG6 with telomerase. <i>Nucleic Acids Research</i> , 2007, 35, 7011-7022.	6.5	52

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55	The Double Life of UPF1 in RNA and DNA Stability Pathways. <i>Cell Cycle</i> , 2006, 5, 1496-1498.	1.3	49
56	Telomere Length Homeostasis Responds to Changes in Intracellular dNTP Pools. <i>Genetics</i> , 2013, 193, 1095-1105.	1.2	44
57	The finger subdomain of yeast telomerase cooperates with Pif1p to limit telomere elongation. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 734-739.	3.6	43
58	The makings of TERRA R-loops at chromosome ends. <i>Cell Cycle</i> , 2021, 20, 1745-1759.	1.3	36
59	Low- to high-throughput analysis of telomerase modulators with Telospot. <i>Nature Methods</i> , 2007, 4, 851-853.	9.0	32
60	Human shelterin protein <sc>POT</sc> 1 prevents severe telomere instability induced by homology-directed <sc>DNA</sc> repair. <i>EMBO Journal</i> , 2020, 39, e104500.	3.5	30
61	Telomerase Is Essential to Alleviate Pif1-Induced Replication Stress at Telomeres. <i>Genetics</i> , 2009, 183, 779-791.	1.2	28
62	AUF1/HnRNP D RNA Binding Protein Functions in Telomere Maintenance. <i>Molecular Cell</i> , 2012, 47, 1-2.	4.5	28
63	The Shelterin Component TPP1 Is a Binding Partner and Substrate for the Deubiquitinating Enzyme USP7. <i>Journal of Biological Chemistry</i> , 2014, 289, 28595-28606.	1.6	23
64	Yeast telomerase is specialized for C/A-rich RNA templates. <i>Nucleic Acids Research</i> , 2003, 31, 1646-1655.	6.5	20
65	Specific binding of telomeric G-quadruplexes by hydrosoluble perylene derivatives inhibits repeat addition processivity of human telomerase. <i>Biochimie</i> , 2012, 94, 854-863.	1.3	19
66	Transformation-induced stress at telomeres is counteracted through changes in the telomeric proteome including SAMHD1. <i>Life Science Alliance</i> , 2018, 1, e201800121.	1.3	18
67	Rearrangements of minisatellites in the human telomerase reverse transcriptase gene are not correlated with its expression in colon carcinomas. <i>Oncogene</i> , 2001, 20, 2600-2605.	2.6	16
68	Telomerase Unplugged. <i>ACS Chemical Biology</i> , 2007, 2, 155-158.	1.6	16
69	CSL controls telomere maintenance and genome stability in human dermal fibroblasts. <i>Nature Communications</i> , 2019, 10, 3884.	5.8	16
70	Telomerase Inhibitors from Cyanobacteria: Isolation and Synthesis of Sulfoquinovosyl Diacylglycerols from <i>Microcystis aeruginosa</i> PCC 7806. <i>Chemistry - A European Journal</i> , 2013, 19, 4596-4601.	1.7	15
71	PRDX1 Counteracts Catastrophic Telomeric Cleavage Events That Are Triggered by DNA Repair Activities Post Oxidative Damage. <i>Cell Reports</i> , 2020, 33, 108347.	2.9	15
72	The human telomeric proteome during telomere replication. <i>Nucleic Acids Research</i> , 2021, 49, 12119-12135.	6.5	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.	3.5	14
74	Challenging endings: How telomeres prevent fragility. BioEssays, 2021, 43, 2100157.	1.2	11
75	Fingering the Ends. Cell, 2003, 113, 552-554.	13.5	10
76	Telomerase and the Chromosome end Replication Problem. Novartis Foundation Symposium, 1997, 211, 20-40.	1.2	10
77	CELL BIOLOGY: Telomere Wedding Ends in Divorce. Science, 2004, 304, 60-62.	6.0	8
78	Tel2 Finally Tells One Story. Science, 2008, 320, 60-61.	6.0	8
79	Quantitative telomeric chromatin isolation protocol for human cells. Methods, 2017, 114, 28-38.	1.9	8
80	An Affinity Oligonucleotide Displacement Strategy to Purify Ribonucleoprotein Complexes Applied to Human Telomerase. Methods in Molecular Biology, 2008, 488, 9-22.	0.4	8
81	TZAP or not to zap telomeres. Science, 2017, 355, 578-579.	6.0	7
82	Damage control. Nature, 2007, 448, 1001-1002.	13.7	6
83	When Telomerase Causes Telomere Loss. Developmental Cell, 2018, 44, 281-283.	3.1	6
84	Related Mechanisms for End Processing at Telomeres and DNA Double-Strand Breaks. Molecular Cell, 2009, 35, 137-138.	4.5	3
85	A Role for Human DNA Polymerase Î» in Alternative Lengthening of Telomeres. International Journal of Molecular Sciences, 2021, 22, 2365.	1.8	3
86	ALT Telomeres Get Together with Nuclear Receptors. Cell, 2015, 160, 811-813.	13.5	2