

Chantal Autexier

List of Publications by Year in descending order

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57
papers

2,639
citations

257450

24
h-index

189892

50
g-index

71
all docs

71
docs citations

71
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure and Function of Telomerase Reverse Transcriptase. Annual Review of Biochemistry, 2006, 75, 493-517.	11.1	427
2	A Platinum Supramolecular Square as an Effective G-Quadruplex Binder and Telomerase Inhibitor. Journal of the American Chemical Society, 2008, 130, 10040-10041.	13.7	200
3	Symmetrical dimethylarginine methylation is required for the localization of SMN in Cajal bodies and pre-mRNA splicing. Journal of Cell Biology, 2002, 159, 957-969.	5.2	175
4	Telomerase, senescence and ageing. Mechanisms of Ageing and Development, 2008, 129, 3-10.	4.6	143
5	Functional Multimerization of Human Telomerase Requires an RNA Interaction Domain in the N Terminus of the Catalytic Subunit. Molecular and Cellular Biology, 2002, 22, 1253-1265.	2.3	109
6	Functional Regions of Human Telomerase Reverse Transcriptase and Human Telomerase RNA Required for Telomerase Activity and RNA-Protein Interactions. Molecular and Cellular Biology, 2001, 21, 1888-1897.	2.3	108
7	Functional Organization of Repeat Addition Processivity and DNA Synthesis Determinants in the Human Telomerase Multimer. Molecular and Cellular Biology, 2004, 24, 3720-3733.	2.3	108
8	Pharmacological Telomerase Inhibition Can Sensitize Drug-Resistant and Drug-Sensitive Cells to Chemotherapeutic Treatment. Molecular Pharmacology, 2005, 68, 779-786.	2.3	94
9	Telomerase RNA Mutated in Autosomal Dyskeratosis Congenita Reconstitutes a Weakly Active Telomerase Enzyme Defective in Telomere Elongation. Cell Cycle, 2005, 4, 578-582.	2.6	91
10	The C terminus of the human telomerase reverse transcriptase is a determinant of enzyme processivity. Nucleic Acids Research, 2003, 31, 4059-4070.	14.5	90
11	Zscan4 Inhibits Maintenance DNA Methylation to Facilitate Telomere Elongation in Mouse Embryonic Stem Cells. Cell Reports, 2017, 20, 1936-1949.	6.4	81
12	Telomerase Regulation from Beginning to the End. Genes, 2016, 7, 64.	2.4	69
13	A human cell line that maintains telomeres in the absence of telomerase and of key markers of ALT. Oncogene, 2005, 24, 7893-7901.	5.9	65
14	Telomerase inhibition enhances the response to anticancer drug treatment in human breast cancer cells. Molecular Cancer Therapeutics, 2006, 5, 1669-1675.	4.1	62
15	Functional Reconstitution of Human Telomerase Expressed in <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 1999, 274, 38027-38031.	3.4	59
16	An Anchor Site-Defect in Human Telomerase That Disrupts Telomere Length Maintenance and Cellular Immortalization. Molecular Biology of the Cell, 2005, 16, 3152-3161.	2.1	52
17	Mutational analysis of the Tetrahymena telomerase RNA: identification of residues affecting telomerase activity in vitro. Nucleic Acids Research, 1998, 26, 787-795.	14.5	46
18	Telomerase can act as a template- and RNA-independent terminal transferase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9778-9783.	7.1	46

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19	Dyskerin: an essential pseudouridine synthase with multifaceted roles in ribosome biogenesis, splicing, and telomere maintenance. <i>Rna</i> , 2021, 27, 1441-1458.	3.5	38
20	Platinum(II) Phenanthroimidazoles for Targeting Telomeric G-Quadruplexes. <i>ChemMedChem</i> , 2012, 7, 85-94.	3.2	35
21	Dyskeratosis congenita mutations in dyskerin SUMOylation consensus sites lead to impaired telomerase RNA accumulation and telomere defects. <i>Human Molecular Genetics</i> , 2013, 22, 3498-3507.	2.9	29
22	Telomeric recombination induced by dysfunctional telomeres. <i>Molecular Biology of the Cell</i> , 2011, 22, 179-188.	2.1	28
23	Human telomerase catalyzes nucleolytic primer cleavage. <i>Nucleic Acids Research</i> , 2004, 32, 2171-2180.	14.5	27
24	The Insertion in Fingers Domain in Human Telomerase Can Mediate Enzyme Processivity and Telomerase Recruitment to Telomeres in a TPP1-Dependent Manner. <i>Molecular and Cellular Biology</i> , 2016, 36, 210-222.	2.3	26
25	Telomerase as a possible target for anticancer therapy. <i>Chemistry and Biology</i> , 1999, 6, R299-R303.	6.0	25
26	Regulation of telomere length and homeostasis by telomerase enzyme processivity. <i>Journal of Cell Science</i> , 2013, 126, 676-687.	2.0	23
27	Humanized telomeres and an attempt to express a functional human telomerase in yeast. <i>Nucleic Acids Research</i> , 2004, 32, 1917-1927.	14.5	22
28	Harnessing Telomerase in Cancer Therapeutics. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 475-483.	1.7	20
29	Telomere biology: Rationale for diagnostics and therapeutics in cancer. <i>RNA Biology</i> , 2015, 12, 1078-1082.	3.1	20
30	N-terminal residues of human dyskerin are required for interactions with telomerase RNA that prevent RNA degradation. <i>Nucleic Acids Research</i> , 2019, 47, 5368-5380.	14.5	20
31	A human-Tetrahymena pseudoknot chimeric telomerase RNA reconstitutes a nonprocessive enzyme in vitro that is defective in telomere elongation. <i>Nucleic Acids Research</i> , 2005, 33, 5446-5457.	14.5	19
32	Telomerase and neuronal marker status of differentiated NT2 and SK-N-SH human neuronal cells and primary human neurons. <i>Journal of Neuroscience Research</i> , 2007, 85, 83-89.	2.9	18
33	Inactive C-terminal telomerase reverse transcriptase insertion splicing variants are dominant-negative inhibitors of telomerase. <i>Biochimie</i> , 2014, 101, 93-103.	2.6	18
34	Regulation of 5' template usage and incorporation of noncognate nucleotides by human telomerase. <i>Rna</i> , 2005, 11, 1448-1460.	3.5	17
35	Platinum(II) phenanthroimidazole G-quadruplex ligand induces selective telomere shortening in A549 cancer cells. <i>Biochimie</i> , 2016, 121, 287-297.	2.6	16
36	Telomerase Contributes to Fludarabine Resistance in Primary Human Leukemic Lymphocytes. <i>PLoS ONE</i> , 2013, 8, e70428.	2.5	15

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37	Multiple Mechanisms Contribute to the Cell Growth Defects Imparted by Human Telomerase Insertion in Fingers Domain Mutations Associated with Premature Aging Diseases. <i>Journal of Biological Chemistry</i> , 2016, 291, 8374-8386.	3.4	15
38	Expression of hTERT and hTR in cis reconstitutes an active human telomerase ribonucleoprotein. <i>Rna</i> , 2000, 6, 778-784.	3.5	14
39	Telomeric function of mammalian telomerases at short telomeres. <i>Journal of Cell Science</i> , 2010, 123, 1693-1704.	2.0	14
40	Telomere Length and the Clinical Phenotype of Frailty in Older Adults Undergoing Cardiac Surgery. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 2205-2207.	2.6	14
41	The <i>Escherichia coli</i> Mu/D108 phage <i>ner</i> homologue gene (<i>nlp</i>) is transcribed and evolutionary conserved among the enterobacteriaceae. <i>Gene</i> , 1992, 114, 13-18.	2.2	13
42	A novel somatic mutation in ACD induces telomere lengthening and apoptosis resistance in leukemia cells. <i>BMC Cancer</i> , 2015, 15, 621.	2.6	13
43	<i>Tetrahymena</i> telomerase ribonucleoprotein RNA-protein interactions. <i>Nucleic Acids Research</i> , 1999, 27, 2227-2234.	14.5	11
44	Telomerase inhibition in a mouse cell line with long telomeres leads to rapid telomerase reactivation. <i>Experimental Cell Research</i> , 2008, 314, 668-675.	2.6	10
45	A translocation-defective telomerase with low levels of activity and processivity stabilizes short telomeres and confers immortalization. <i>Molecular Biology of the Cell</i> , 2013, 24, 1469-1479.	2.1	10
46	Regulation of human telomerase RNA biogenesis and localization. <i>RNA Biology</i> , 2021, 18, 305-315.	3.1	10
47	SUMOylation- and GAR1-Dependent Regulation of Dyskerin Nuclear and Subnuclear Localization. <i>Molecular and Cellular Biology</i> , 2021, 41, .	2.3	10
48	Homologous recombination-mediated irreversible genome damage underlies telomere-induced senescence. <i>Nucleic Acids Research</i> , 2021, 49, 11690-11707.	14.5	10
49	PCNA, a focus on replication stress and the alternative lengthening of telomeres pathway. <i>DNA Repair</i> , 2021, 100, 103055.	2.8	9
50	Modification of the suppressor phenotype of thymine requiring strains of <i>Escherichia coli</i> . <i>Genetical Research</i> , 1991, 58, 185-192.	0.9	6
51	POT of gold: modeling dyskeratosis congenita in the mouse. <i>Genes and Development</i> , 2008, 22, 1731-1736.	5.9	6
52	Growth defects in mouse telomerase RNA-deficient cells expressing a template-mutated mouse telomerase RNA. <i>Cancer Letters</i> , 2009, 275, 266-276.	7.2	6
53	An intact putative mouse telomerase essential N-terminal domain is necessary for proper telomere maintenance. <i>Biology of the Cell</i> , 2016, 108, 96-112.	2.0	5
54	The human telomerase catalytic subunit and viral telomerase RNA reconstitute a functional telomerase complex in a cell-free system, but not in human cells. <i>Cellular and Molecular Biology Letters</i> , 2012, 17, 598-615.	7.0	4

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55	ALTerred telomeres in response to telomere dysfunction. Cell Cycle, 2011, 10, 3807-3809.	2.6	2
56	Telomere- and Telomerase-based Therapies. , 2005, , 247-273.		1
57	p66ShcA potentiates the cytotoxic response of triple negative breast cancers to PARP inhibitors. JCI Insight, 2021, 6, .	5.0	0