

Julian J -L Chen

List of Publications by Year in descending order

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51
papers

5,420
citations

201674

27
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

4686
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant telomere biology: The green solution to the end-replication problem. <i>Plant Cell</i> , 2022, 34, 2492-2504.	6.6	14
2	Telomeres and Telomerase. , 2022, , .		0
3	Monophyletic Origin and Divergent Evolution of Animal Telomerase RNA. <i>Molecular Biology and Evolution</i> , 2021, 38, 215-228.	8.9	22
4	Effects of Telomerase Activation. , 2021, , 1573-1579.		0
5	The conserved structure of plant telomerase RNA provides the missing link for an evolutionary pathway from ciliates to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24542-24550.	7.1	33
6	Effects of Telomerase Activation. , 2019, , 1-8.		1
7	A single nucleotide incorporation step limits human telomerase repeat addition activity. <i>EMBO Journal</i> , 2018, 37, .	7.8	23
8	In Vitro Preparation and Crystallization of Vertebrate Telomerase Subunits. <i>Methods in Molecular Biology</i> , 2017, 1587, 161-169.	0.9	0
9	Telomere biology and telomerase mutations in cirrhotic patients with hepatocellular carcinoma. <i>PLoS ONE</i> , 2017, 12, e0183287.	2.5	20
10	Evolutionary perspectives of telomerase RNA structure and function. <i>RNA Biology</i> , 2016, 13, 720-732.	3.1	84
11	The functional requirement of two structural domains within telomerase RNA emerged early in eukaryotes. <i>Nucleic Acids Research</i> , 2016, 44, gkw605.	14.5	19
12	Telomeres and Telomerase. , 2016, , 418-425.		1
13	Structure and function of echinoderm telomerase RNA. <i>Rna</i> , 2016, 22, 204-215.	3.5	12
14	Prevalent and distinct spliceosomal 3' end processing mechanisms for fungal telomerase RNA. <i>Nature Communications</i> , 2015, 6, 6105.	12.8	21
15	Telomerase mutations in smokers with severe emphysema. <i>Journal of Clinical Investigation</i> , 2015, 125, 563-570.	8.2	152
16	Sample Preparation of Telomerase Subunits for Crystallization. <i>Bio-protocol</i> , 2015, 5, .	0.4	0
17	A self-regulating template in human telomerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11311-11316.	7.1	26
18	Structural basis for protein-RNA recognition in telomerase. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 507-512.	8.2	71

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19	Telomerase: A Eukaryotic DNA Polymerase Specialized in Telomeric Repeat Synthesis. <i>Nucleic Acids and Molecular Biology</i> , 2014, , 215-235.	0.2	0
20	Identification of purple sea urchin telomerase RNA using a next-generation sequencing based approach. <i>Rna</i> , 2013, 19, 852-860.	3.5	12
21	The common ancestral core of vertebrate and fungal telomerase RNAs. <i>Nucleic Acids Research</i> , 2013, 41, 450-462.	14.5	70
22	A homozygous telomerase T-motif variant resulting in markedly reduced repeat addition processivity in siblings with Hoyeraal Hreidarsson syndrome. <i>Blood</i> , 2013, 121, 3586-3593.	1.4	28
23	RNA/DNA hybrid binding affinity determines telomerase template-translocation efficiency. <i>EMBO Journal</i> , 2012, 31, 150-161.	7.8	58
24	It all comes together at the ends: Telomerase structure, function, and biogenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 730, 3-11.	1.0	115
25	A Homozygous Telomerase Reverse Transcriptase T Motif Variant Resulting in Markedly Reduced Telomerase Repeat Addition Processivity in Siblings with Hoyeraal Hreidarsson Syndrome. <i>Blood</i> , 2012, 120, 1272-1272.	1.4	0
26	Constitutional Telomerase-Associated Gene Variants in Pediatric Acute Myeloid Leukemia (AML). <i>Blood</i> , 2012, 120, 1408-1408.	1.4	0
27	Recombinant production and purification of the subunit c of chloroplast ATP synthase. <i>Protein Expression and Purification</i> , 2011, 76, 15-24.	1.3	3
28	Ancestral Mutation in Telomerase Causes Defects in Repeat Addition Processivity and Manifests As Familial Pulmonary Fibrosis. <i>PLoS Genetics</i> , 2011, 7, e1001352.	3.5	99
29	Syndrome complex of bone marrow failure and pulmonary fibrosis predicts germline defects in telomerase. <i>Blood</i> , 2011, 117, 5607-5611.	1.4	157
30	RNA-protein binding interface in the telomerase ribonucleoprotein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20333-20338.	7.1	62
31	A novel motif in telomerase reverse transcriptase regulates telomere repeat addition rate and processivity. <i>Nucleic Acids Research</i> , 2010, 38, 1982-1996.	14.5	67
32	Evolution of Vault RNAs. <i>Molecular Biology and Evolution</i> , 2009, 26, 1975-1991.	8.9	130
33	Direct Electrochemical Monitoring of RNase Activity. <i>Electroanalysis</i> , 2008, 20, 919-922.	2.9	15
34	Structure and Function of the Smallest Vertebrate Telomerase RNA from Teleost Fish. <i>Journal of Biological Chemistry</i> , 2008, 283, 2049-2059.	3.4	78
35	Short telomeres are a risk factor for idiopathic pulmonary fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13051-13056.	7.1	665
36	The Telomerase Database. <i>Nucleic Acids Research</i> , 2007, 36, D339-D343.	14.5	201

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37	Identification and characterization of sea squirt telomerase reverse transcriptase. <i>Gene</i> , 2007, 400, 16-24.	2.2	11
38	Telomerase Mutations in Families with Idiopathic Pulmonary Fibrosis. <i>New England Journal of Medicine</i> , 2007, 356, 1317-1326.	27.0	1,175
39	Ultrasensitive Label-Free Aptamer-Based Electronic Detection. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9054-9056.	13.8	52
40	Homology Search with Fragmented Nucleic Acid Sequence Patterns. <i>Lecture Notes in Computer Science</i> , 2007, , 335-345.	1.3	13
41	Structure and Function of Eukaryotic Ribonuclease P RNA. <i>Molecular Cell</i> , 2006, 24, 445-456.	9.7	48
42	Rolling-Circle Amplification of a DNA Nanojunction. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7537-7539.	13.8	55
43	Functional analysis of the pseudoknot structure in human telomerase RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8080-8085.	7.1	120
44	Haploinsufficiency of telomerase reverse transcriptase leads to anticipation in autosomal dominant dyskeratosis congenita. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15960-15964.	7.1	423
45	An emerging consensus for telomerase RNA structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14683-14684.	7.1	89
46	Telomerase RNA structure and function: implications for dyskeratosis congenita. <i>Trends in Biochemical Sciences</i> , 2004, 29, 183-192.	7.5	129
47	Determinants in mammalian telomerase RNA that mediate enzyme processivity and cross-species incompatibility. <i>EMBO Journal</i> , 2003, 22, 304-314.	7.8	116
48	Template boundary definition in mammalian telomerase. <i>Genes and Development</i> , 2003, 17, 2747-2752.	5.9	139
49	A critical stem-loop structure in the CR4-CR5 domain of mammalian telomerase RNA. <i>Nucleic Acids Research</i> , 2002, 30, 592-597.	14.5	137
50	Secondary Structure of Vertebrate Telomerase RNA. <i>Cell</i> , 2000, 100, 503-514.	28.9	547
51	Comparative photocross-linking analysis of the tertiary structures of <i>Escherichia coli</i> and <i>Bacillus subtilis</i> RNase P RNAs. <i>EMBO Journal</i> , 1998, 17, 1515-1525.	7.8	106