

Susan Smith

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

4,286
citations

172457

29
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

3902
citing authors

#	ARTICLE	IF	CITATIONS
1	Tankyrase promotes telomere elongation in human cells. <i>Current Biology</i> , 2000, 10, 1299-1302.	3.9	375
2	The world according to PARP. <i>Trends in Biochemical Sciences</i> , 2001, 26, 174-179.	7.5	279
3	Role for the Related Poly(ADP-Ribose) Polymerases Tankyrase 1 and 2 at Human Telomeres. <i>Molecular and Cellular Biology</i> , 2002, 22, 332-342.	2.3	278
4	A Dynamic Molecular Link between the Telomere Length Regulator TRF1 and the Chromosome End Protector TRF2. <i>Current Biology</i> , 2004, 14, 1621-1631.	3.9	259
5	Resolution of Sister Telomere Association Is Required for Progression Through Mitosis. <i>Science</i> , 2004, 304, 97-100.	12.6	257
6	Poly(ADP-ribose) polymerase 3 (PARP3), a newcomer in cellular response to DNA damage and mitotic progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2783-2788.	7.1	235
7	Tankyrase function at telomeres, spindle poles, and beyond. <i>Biochimie</i> , 2008, 90, 83-92.	2.6	222
8	TRF1 is degraded by ubiquitin-mediated proteolysis after release from telomeres. <i>Genes and Development</i> , 2003, 17, 1328-1333.	5.9	184
9	Differential regulation of telomere and centromere cohesion by the Scc3 homologues SA1 and SA2, respectively, in human cells. <i>Journal of Cell Biology</i> , 2009, 187, 165-173.	5.2	157
10	ADP-riboyltransferases, an update on function and nomenclature. <i>FEBS Journal</i> , 2022, 289, 7399-7410.	4.7	150
11	Mammalian Meiotic Telomeres: Protein Composition and Redistribution in Relation to Nuclear Pores. <i>Molecular Biology of the Cell</i> , 2000, 11, 4189-4203.	2.1	142
12	Tankyrase 1 and Tankyrase 2 Are Essential but Redundant for Mouse Embryonic Development. <i>PLoS ONE</i> , 2008, 3, e2639.	2.5	133
13	The Telomeric Poly(ADP-ribose) Polymerase, Tankyrase 1, Contains Multiple Binding Sites for Telomeric Repeat Binding Factor 1 (TRF1) and a Novel Acceptor, 182-kDa Tankyrase-binding Protein (TAB182). <i>Journal of Biological Chemistry</i> , 2002, 277, 14116-14126.	3.4	129
14	NuMA is a major acceptor of poly(ADP-ribosyl)ation by tankyrase 1 in mitosis. <i>Biochemical Journal</i> , 2005, 391, 177-184.	3.7	122
15	mRNA Decay Factor AUF1 Maintains Normal Aging, Telomere Maintenance, and Suppression of Senescence by Activation of Telomerase Transcription. <i>Molecular Cell</i> , 2012, 47, 5-15.	9.7	120
16	Recombination: a means to an end in human cells. <i>Nature Genetics</i> , 2000, 26, 388-389.	21.4	117
17	Protein requirements for sister telomere association in human cells. <i>EMBO Journal</i> , 2007, 26, 4867-4878.	7.8	96
18	A role for heterochromatin protein 1 β at human telomeres. <i>Genes and Development</i> , 2011, 25, 1807-1819.	5.9	93

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19	Loss of ATRX Suppresses Resolution of Telomere Cohesion to Control Recombination in ALT Cancer Cells. <i>Cancer Cell</i> , 2015, 28, 357-369.	16.8	90
20	Functional Subdomain in the Ankyrin Domain of Tankyrase 1 Required for Poly(ADP-Ribosyl)ation of TRF1 and Telomere Elongation. <i>Molecular and Cellular Biology</i> , 2004, 24, 1944-1955.	2.3	83
21	Nuclear PARPs and genome integrity. <i>Genes and Development</i> , 2020, 34, 285-301.	5.9	79
22	Whole proteome analysis of human tankyrase knockout cells reveals targets of tankyrase-mediated degradation. <i>Nature Communications</i> , 2017, 8, 2214.	12.8	69
23	Tankyrase 2 Poly(ADP-Ribose) Polymerase Domain-Deleted Mice Exhibit Growth Defects but Have Normal Telomere Length and Capping. <i>Molecular and Cellular Biology</i> , 2006, 26, 2044-2054.	2.3	67
24	Tankyrase 1 regulates centrosome function by controlling CPAP stability. <i>EMBO Reports</i> , 2012, 13, 724-732.	4.5	48
25	Sister telomeres rendered dysfunctional by persistent cohesion are fused by NHEJ. <i>Journal of Cell Biology</i> , 2009, 184, 515-526.	5.2	43
26	GDP-Mannose-4,6-Dehydratase Is a Cytosolic Partner of Tankyrase 1 That Inhibits Its Poly(ADP-Ribose) Polymerase Activity. <i>Molecular and Cellular Biology</i> , 2012, 32, 3044-3053.	2.3	43
27	Snail1 transcription factor controls telomere transcription and integrity. <i>Nucleic Acids Research</i> , 2018, 46, 146-158.	14.5	40
28	SA1 binds directly to DNA via its unique AT-hook to promote sister chromatid cohesion at telomeres. <i>Journal of Cell Science</i> , 2013, 126, 3493-503.	2.0	39
29	Persistent telomere cohesion triggers a prolonged anaphase. <i>Molecular Biology of the Cell</i> , 2014, 25, 30-40.	2.1	37
30	The PARsylation activity of tankyrase in adipose tissue modulates systemic glucose metabolism in mice. <i>Diabetologia</i> , 2016, 59, 582-591.	6.3	33
31	Cell cycle-regulated ubiquitination of tankyrase 1 by RNF8 and ABRO1/BRCC36 controls the timing of sister telomere resolution. <i>EMBO Journal</i> , 2017, 36, 503-519.	7.8	33
32	Functional interplay between SA1 and TRF1 in telomeric DNA binding and DNA-DNA pairing. <i>Nucleic Acids Research</i> , 2016, 44, 6363-6376.	14.5	30
33	Loss of Tumor Suppressor <i>STAG2</i> Promotes Telomere Recombination and Extends the Replicative Lifespan of Normal Human Cells. <i>Cancer Research</i> , 2017, 77, 5530-5542.	0.9	26
34	TIN2 Stability Is Regulated by the E3 Ligase Siah2. <i>Molecular and Cellular Biology</i> , 2012, 32, 376-384.	2.3	25
35	Telomerase can't handle the stress. <i>Genes and Development</i> , 2018, 32, 597-599.	5.9	21
36	Nopp140-mediated concentration of telomerase in Cajal bodies regulates telomere length. <i>Molecular Biology of the Cell</i> , 2019, 30, 3136-3150.	2.1	21

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37	Resolution of human ribosomal DNA occurs in anaphase, dependent on tankyrase 1, condensin II, and topoisomerase III \pm . <i>Genes and Development</i> , 2019, 33, 276-281.	5.9	21
38	Expression in <i>Escherichia coli</i> of Multiple Products from a Chimaeric Gene Fusion: Evidence for the Presence of Procaryotic Translational Control Regions within Eucaryotic Genes. <i>Bio/technology</i> , 1985, 3, 715-720.	1.5	20
39	Persistent telomere cohesion protects aged cells from premature senescence. <i>Nature Communications</i> , 2020, 11, 3321.	12.8	18
40	Chromosomal Mapping of the Tankyrase Gene in Human and Mouse. <i>Genomics</i> , 1999, 57, 320-321.	2.9	15
41	A role for sister telomere cohesion in telomere elongation by telomerase. <i>Cell Cycle</i> , 2012, 11, 19-25.	2.6	15
42	Expression of canine parvovirus- β -galactosidase fusion proteins in <i>Escherichia coli</i> . <i>Gene</i> , 1984, 29, 263-269.	2.2	13
43	The long and short of it: A new isoform of TIN2 in the nuclear matrix. <i>Cell Cycle</i> , 2009, 8, 797-798.	2.6	4
44	The SAGA Continues to the End. <i>Molecular Cell</i> , 2009, 35, 256-258.	9.7	3
45	TIPs: Tankyrase Interacting Proteins. <i>Cancer Drug Discovery and Development</i> , 2015, , 79-97.	0.4	1