Susan Smith

List of Publications by Year in descending order

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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	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	4.7	150
2	Persistent telomere cohesion protects aged cells from premature senescence. Nature Communications, 2020, 11, 3321.	12.8	18
3	Nuclear PARPs and genome integrity. Genes and Development, 2020, 34, 285-301.	5.9	79
4	Nopp140-mediated concentration of telomerase in Cajal bodies regulates telomere length. Molecular Biology of the Cell, 2019, 30, 3136-3150.	2.1	21
5	Resolution of human ribosomal DNA occurs in anaphase, dependent on tankyrase 1, condensin II, and topoisomerase IIÎ±. Genes and Development, 2019, 33, 276-281.	5.9	21
6	Snail1 transcription factor controls telomere transcription and integrity. Nucleic Acids Research, 2018, 46, 146-158.	14.5	40
7	Telomerase can't handle the stress. Genes and Development, 2018, 32, 597-599.	5.9	21
8	Cell cycleâ€regulated ubiquitination of tankyrase 1 by RNF8 and ABRO1/BRCC36 controls the timing of sister telomere resolution. EMBO Journal, 2017, 36, 503-519.	7.8	33
9	Loss of Tumor Suppressor STAG2 Promotes Telomere Recombination and Extends the Replicative Lifespan of Normal Human Cells. Cancer Research, 2017, 77, 5530-5542.	0.9	26
10	Whole proteome analysis of human tankyrase knockout cells reveals targets of tankyrase-mediated degradation. Nature Communications, 2017, 8, 2214.	12.8	69
11	The PARsylation activity of tankyrase in adipose tissue modulates systemic glucose metabolism in mice. Diabetologia, 2016, 59, 582-591.	6.3	33
12	Functional interplay between SA1 and TRF1 in telomeric DNA binding and DNAâ€“DNA pairing. Nucleic Acids Research, 2016, 44, 6363-6376.	14.5	30
13	Loss of ATRX Suppresses Resolution of Telomere Cohesion to Control Recombination in ALT Cancer Cells. Cancer Cell, 2015, 28, 357-369.	16.8	90
14	TIPs: Tankyrase Interacting Proteins. Cancer Drug Discovery and Development, 2015, , 79-97.	0.4	1
15	Persistent telomere cohesion triggers a prolonged anaphase. Molecular Biology of the Cell, 2014, 25, 30-40.	2.1	37
16	SA1 binds directly to DNA via its unique AT-hook to promote sister chromatid cohesion at telomeres. Journal of Cell Science, 2013, 126, 3493-503.	2.0	39
17	TIN2 Stability Is Regulated by the E3 Ligase Siah2. Molecular and Cellular Biology, 2012, 32, 376-384.	2.3	25
18	A role for sister telomere cohesion in telomere elongation by telomerase. Cell Cycle, 2012, 11, 19-25.	2.6	15

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19	Tankyrase 1 regulates centrosome function by controlling CPAP stability. EMBO Reports, 2012, 13, 724-732.	4.5	48
20	GDP-Mannose-4,6-Dehydratase Is a Cytosolic Partner of Tankyrase 1 That Inhibits Its Poly(ADP-Ribose) Polymerase Activity. Molecular and Cellular Biology, 2012, 32, 3044-3053.	2.3	43
21	mRNA Decay Factor AUF1 Maintains Normal Aging, Telomere Maintenance, and Suppression of Senescence by Activation of Telomerase Transcription. Molecular Cell, 2012, 47, 5-15.	9.7	120
22	A role for heterochromatin protein 1Î³ at human telomeres. Genes and Development, 2011, 25, 1807-1819.	5.9	93
23	Poly(ADP-ribose) polymerase 3 (PARP3), a newcomer in cellular response to DNA damage and mitotic progression. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2783-2788.	7.1	235
24	The long and short of it: A new isoform of TIN2 in the nuclear matrix. Cell Cycle, 2009, 8, 797-798.	2.6	4
25	Sister telomeres rendered dysfunctional by persistent cohesion are fused by NHEJ. Journal of Cell Biology, 2009, 184, 515-526.	5.2	43
26	Differential regulation of telomere and centromere cohesion by the Scc3 homologues SA1 and SA2, respectively, in human cells. Journal of Cell Biology, 2009, 187, 165-173.	5.2	157
27	The SAGA Continuesâ€¦ to the End. Molecular Cell, 2009, 35, 256-258.	9.7	3
28	Tankyrase function at telomeres, spindle poles, and beyond. Biochimie, 2008, 90, 83-92.	2.6	222
29	Tankyrase 1 and Tankyrase 2 Are Essential but Redundant for Mouse Embryonic Development. PLoS ONE, 2008, 3, e2639.	2.5	133
30	Protein requirements for sister telomere association in human cells. EMBO Journal, 2007, 26, 4867-4878.	7.8	96
31	Tankyrase 2 Poly(ADP-Ribose) Polymerase Domain-Deleted Mice Exhibit Growth Defects but Have Normal Telomere Length and Capping. Molecular and Cellular Biology, 2006, 26, 2044-2054.	2.3	67
32	NuMA is a major acceptor of poly(ADP-ribosyl)ation by tankyrase 1 in mitosis. Biochemical Journal, 2005, 391, 177-184.	3.7	122
33	Functional Subdomain in the Ankyrin Domain of Tankyrase 1 Required for Poly(ADP-Ribosyl)ation of TRF1 and Telomere Elongation. Molecular and Cellular Biology, 2004, 24, 1944-1955.	2.3	83
34	Resolution of Sister Telomere Association Is Required for Progression Through Mitosis. Science, 2004, 304, 97-100.	12.6	257
35	A Dynamic Molecular Link between the Telomere Length Regulator TRF1 and the Chromosome End Protector TRF2. Current Biology, 2004, 14, 1621-1631.	3.9	259
36	TRF1 is degraded by ubiquitin-mediated proteolysis after release from telomeres. Genes and Development, 2003, 17, 1328-1333.	5.9	184

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37	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). Journal of Biological Chemistry, 2002, 277, 14116-14126.	3.4	129
38	Role for the Related Poly(ADP-Ribose) Polymerases Tankyrase 1 and 2 at Human Telomeres. Molecular and Cellular Biology, 2002, 22, 332-342.	2.3	278
39	The world according to PARP. Trends in Biochemical Sciences, 2001, 26, 174-179.	7.5	279
40	Recombination: a means to an end in human cells. Nature Genetics, 2000, 26, 388-389.	21.4	117
41	Tankyrase promotes telomere elongation in human cells. Current Biology, 2000, 10, 1299-1302.	3.9	375
42	Mammalian Meiotic Telomeres: Protein Composition and Redistribution in Relation to Nuclear Pores. Molecular Biology of the Cell, 2000, 11, 4189-4203.	2.1	142
43	Chromosomal Mapping of the Tankyrase Gene in Human and Mouse. Genomics, 1999, 57, 320-321.	2.9	15
44	Expression in Escherichia coli of Multiple Products from a Chimaeric Gene Fusion: Evidence for the Presence of Procaryotic Translational Control Regions within Eucaryotic Genes. Bio/technology, 1985, 3, 715-720.	1.5	20
45	Expression of canine parvovirus-Î²-galactosidase fusion proteins in Escherichia coli. Gene, 1984, 29, 263-269.	2.2	13