Vincent Geli

List of Publications by Year
in descending order

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88 papers	4,713 citations	87888 38 h-index	110387 64 g-index
94 all docs	94 docs citations	94 times ranked	4741 citing authors

#	Article	IF	Citations
1	Gain-of-function mutations in RPA1 cause a syndrome with short telomeres and somatic genetic rescue. Blood, 2022, 139, 1039-1051.	1.4	29
2	Inherited human Apollo deficiency causes severe bone marrow failure and developmental defects. Blood, 2022, 139, 2427-2440.	1.4	14
3	Telomeric Câ€circles localize at nuclear pore complexes in <i>Saccharomyces cerevisiae</i>. EMBO Journal, 2022, 41, e108736.	7.8	7
4	Modeling Heterogeneity of Tripleâ€Negative Breast Cancer Uncovers a Novel Combinatorial Treatment Overcoming Primary Drug Resistance. Advanced Science, 2021, 8, 2003049.	11.2	15
5	Genome stability is guarded by yeast Rtt105 through multiple mechanisms. Genetics, 2021, 217, .	2.9	5
6	Rad52 SUMOylation functions as a molecular switch that determines a balance between the Rad51- and Rad59-dependent survivors. IScience, 2021, 24, 102231.	4.1	12
7	RAP1 moonlights to activate NF-ÎºB and Notch in ALT. Science Signaling, 2021, 14, .	3.6	0
8	UFMylation of MRE11 is essential for telomere length maintenance and hematopoietic stem cell survival. Science Advances, 2021, 7, eabc7371.	10.3	23
9	Set1-dependent H3K4 methylation becomes critical for limiting DNA damage in response to changes in S-phase dynamics in Saccharomyces cerevisiae. DNA Repair, 2021, 105, 103159.	2.8	5
10	Analysis of Recombination at Yeast Telomeres. Methods in Molecular Biology, 2021, 2153, 395-402.	0.9	1
11	The nuclear pore complex prevents sister chromatid recombination during replicative senescence. Nature Communications, 2020, 11, 160.	12.8	31
12	MRX Increases Chromatin Accessibility at Stalled Replication Forks to Promote Nascent DNA Resection and Cohesin Loading. Molecular Cell, 2020, 77, 395-410.e3.	9.7	49
13	The Set1 N-terminal domain and Swd2 interact with RNA polymerase II CTD to recruit COMPASS. Nature Communications, 2020, 11, 2181.	12.8	35
14	Telomerase Repairs Collapsed Replication Forks at Telomeres. Cell Reports, 2020, 30, 3312-3322.e3.	6.4	28
15	Nuclear envelope attachment of telomeres limits TERRA and telomeric rearrangements in quiescent fission yeast cells. Nucleic Acids Research, 2020, 48, 3029-3041.	14.5	18
16	ZZW-115â€“dependent inhibition of NUPR1 nuclear translocation sensitizes cancer cells to genotoxic agents. JCI Insight, 2020, 5, .	5.0	24
17	RPA and Pif1 cooperate to remove G-rich structures at both leading and lagging strand. Cell Stress, 2020, 4, 48-63.	3.2	25
18	Histone stress: an unexplored source of chromosomal instability in cancer?. Current Genetics, 2019, 65, 1081-1088.	1.7	11

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19	Non-canonical Roles of Telomerase: Unraveling the Imbroglio. Frontiers in Cell and Developmental Biology, 2019, 7, 332.	3.7	64
20	STEEx, a boundary between the world of quiescence and the vegetative cycle. Current Genetics, 2018, 64, 901-905.	1.7	5
21	Structural Insights into Yeast Telomerase Recruitment to Telomeres. Cell, 2018, 172, 331-343.e13.	28.9	76
22	The fission yeast Stn1-Ten1 complex limits telomerase activity via its SUMO-interacting motif and promotes telomeres replication. Science Advances, 2018, 4, eaar2740.	10.3	21
23	High levels of histones promote whole-genome-duplications and trigger a Swe1WEE1-dependent phosphorylation of Cdc28CDK1. ELife, 2018, 7, .	6.0	10
24	Nuclear dynamics of the Set1C subunit Spp1 prepares meiotic recombination sites for break formation. Journal of Cell Biology, 2018, 217, 3398-3415.	5.2	16
25	Coordination of Cell Cycle Progression and Mitotic Spindle Assembly Involves Histone H3 Lysine 4 Methylation by Set1/COMPASS. Genetics, 2017, 205, 185-199.	2.9	28
26	De novo telomere addition at chromosome breaks: Dangerous Liaisons. Journal of Cell Biology, 2017, 216, 2243-2245.	5.2	4
27	Introns Protect Eukaryotic Genomes from Transcription-Associated Genetic Instability. Molecular Cell, 2017, 67, 608-621.e6.	9.7	101
28	Binding to RNA regulates Set1 function. Cell Discovery, 2017, 3, 17040.	6.7	31
29	Eroded telomeres are rearranged in quiescent fission yeast cells through duplications of subtelomeric sequences. Nature Communications, 2017, 8, 1684.	12.8	28
30	Histone Purification from Saccharomyces cerevisiae. Methods in Molecular Biology, 2017, 1528, 69-73.	0.9	5
31	<i><scp>TERRA</scp> Incognita</i> at chromosome ends. EMBO Reports, 2016, 17, 933-934.	4.5	2
32	SUMO-Dependent Relocalization of Eroded Telomeres to Nuclear Pore Complexes Controls Telomere Recombination. Cell Reports, 2016, 15, 1242-1253.	6.4	79
33	Replication stress as a source of telomere recombination during replicative senescence in<i>Saccharomyces cerevisiae</i>. FEMS Yeast Research, 2016, 16, fow085.	2.3	21
34	A high rate of telomeric sister chromatid exchange occurs in chronic lymphocytic leukaemia Bâ€cells. British Journal of Haematology, 2016, 174, 57-70.	2.5	18
35	Posttranslational marks control architectural and functional plasticity of the nuclear pore complex basket. Journal of Cell Biology, 2016, 212, 167-180.	5.2	39
36	Recombinational DNA repair is regulated by compartmentalization of DNA lesions at the nuclear pore complex. BioEssays, 2015, 37, 1287-1292.	2.5	40

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37	Replisome Function During Replicative Stress Is Modulated by Histone H3 Lysine 56 Acetylation Through Ctf4. Genetics, 2015, 199, 1047-1063.	2.9	18
38	<scp>RPA</scp> prevents Gâ€rich structure formation at laggingâ€strand telomeres to allow maintenance of chromosome ends. EMBO Journal, 2015, 34, 1942-1958.	7.8	82
39	Rad59-Facilitated Acquisition of Yâ€² Elements by Short Telomeres Delays the Onset of Senescence. PLoS Genetics, 2014, 10, e1004736.	3.5	29
40	Sgs1 and Sae2 promote telomere replication by limiting accumulation of ssDNA. Nature Communications, 2014, 5, 5004.	12.8	36
41	The COMPASS Subunit Spp1 Links Histone Methylation to Initiation of Meiotic Recombination. Science, 2013, 339, 215-218.	12.6	186
42	Cdc13 at a crossroads of telomerase action. Frontiers in Oncology, 2013, 3, 39.	2.8	18
43	Spp1 at the crossroads of H3K4me3 regulation and meiotic recombination. Epigenetics, 2013, 8, 355-360.	2.7	27
44	RPA facilitates telomerase activity at chromosome ends in budding and fission yeasts. EMBO Journal, 2012, 31, 2034-2046.	7.8	44
45	Two Distinct Repressive Mechanisms for Histone 3 Lysine 4 Methylation through Promoting 3â€²-End Antisense Transcription. PLoS Genetics, 2012, 8, e1002952.	3.5	131
46	FACT Prevents the Accumulation of Free Histones Evicted from Transcribed Chromatin and a Subsequent Cell Cycle Delay in G1. PLoS Genetics, 2010, 6, e1000964.	3.5	59
47	The distribution of active RNA polymerase II along the transcribed region is gene-specific and controlled by elongation factors. Nucleic Acids Research, 2010, 38, 4651-4664.	14.5	40
48	Cdc13 and Telomerase Bind through Different Mechanisms at the Lagging- and Leading-Strand Telomeres. Molecular Cell, 2010, 38, 842-852.	9.7	42
49	CST Meets Shelterin to Keep Telomeres in Check. Molecular Cell, 2010, 39, 665-676.	9.7	127
50	The fate of irreparable DNA double-strand breaks and eroded telomeres at the nuclear periphery. Nucleus, 2010, 1, 158-161.	2.2	5
51	Histone H3 lysine 4 trimethylation marks meiotic recombination initiation sites. EMBO Journal, 2009, 28, 99-111.	7.8	329
52	Cotranslational assembly of the yeast SET1C histone methyltransferase complex. EMBO Journal, 2009, 28, 2959-2970.	7.8	73
53	The DNA damage response at eroded telomeres and tethering to the nuclear pore complex. Nature Cell Biology, 2009, 11, 980-987.	10.3	191
54	A two-step model for senescence triggered by a single critically short telomere. Nature Cell Biology, 2009, 11, 988-993.	10.3	151

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55	DNA damage response to eroded telomeres. Cell Cycle, 2009, 8, 3617-3618.	2.6	7
56	Ubiquitylation of the COMPASS component Swd2 links H2B ubiquitylation to H3K4 trimethylation. Nature Cell Biology, 2008, 10, 1365-1371.	10.3	84
57	How telomeres are replicated. Nature Reviews Molecular Cell Biology, 2007, 8, 825-838.	37.0	396
58	The multiple faces of Set1This paper is one of a selection of papers published in this Special Issue, entitled 27th International West Coast Chromatin and Chromosome Conference, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2006, 84, 536-548.	2.0	72
59	Structural Characterization of Set1 RNA Recognition Motifs and their Role in Histone H3 Lysine 4 Methylation. Journal of Molecular Biology, 2006, 359, 1170-1181.	4.2	52
60	The finger subdomain of yeast telomerase cooperates with Pif1p to limit telomere elongation. Nature Structural and Molecular Biology, 2006, 13, 734-739.	8.2	43
61	Subtelomeric proteins negatively regulate telomere elongation in budding yeast. EMBO Journal, 2006, 25, 846-856.	7.8	55
62	Protein Interactions within the Set1 Complex and Their Roles in the Regulation of Histone 3 Lysine 4 Methylation. Journal of Biological Chemistry, 2006, 281, 35404-35412.	3.4	142
63	The telomerase cycle: normal and pathological aspects. Journal of Molecular Medicine, 2005, 83, 244-257.	3.9	24
64	Set1- and Clb5-deficiencies disclose the differential regulation of centromere and telomere dynamics in Saccharomyces cerevisiae meiosis. Journal of Cell Science, 2005, 118, 4985-4994.	2.0	22
65	Inactivation of Ku-Mediated End Joining Suppresses mec1Î” Lethality by Depleting the Ribonucleotide Reductase Inhibitor Sml1 through a Pathway Controlled by Tel1 Kinase and the Mre11 Complex. Molecular and Cellular Biology, 2005, 25, 10652-10664.	2.3	13
66	Histone H3 Lysine 4 Mono-methylation does not Require Ubiquitination of Histone H2B. Journal of Molecular Biology, 2005, 353, 477-484.	4.2	60
67	Methylation of H3 Lysine 4 at Euchromatin Promotes Sir3p Association with Heterochromatin. Journal of Biological Chemistry, 2004, 279, 47506-47512.	3.4	104
68	RPA regulates telomerase action by providing Est1p access to chromosome ends. Nature Genetics, 2004, 36, 46-54.	21.4	138
69	Set1 is required for meiotic S-phase onset, double-strand break formation and middle gene expression. EMBO Journal, 2004, 23, 1957-1967.	7.8	119
70	The number of vertebrate repeats can be regulated at yeast telomeres by Rap1-independent mechanisms. EMBO Journal, 2003, 22, 1697-1706.	7.8	53
71	The Fission Yeast spSet1p is a Histone H3-K4 Methyltransferase that Functions in Telomere Maintenance and DNA Repair in an ATM Kinase Rad3-dependent Pathway. Journal of Molecular Biology, 2003, 326, 1081-1094.	4.2	48
72	The MYST Domain Acetyltransferase Chameau Functions in Epigenetic Mechanisms of Transcriptional Repression. Current Biology, 2002, 12, 762-766.	3.9	73

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73	The AprX protein of Pseudomonas aeruginosa : a new substrate for the Apr type I secretion system. Gene, 2001, 262, 147-153.	2.2	64
74	Cleavage of Colicin D Is Necessary for Cell Killing and Requires the Inner Membrane Peptidase LepB. Molecular Cell, 2001, 8, 159-168.	9.7	51
75	The set1Delta mutation unveils a novel signaling pathway relayed by the Rad53-dependent hyperphosphorylation of replication protein A that leads to transcriptional activation of repair genes. Genes and Development, 2001, 15, 1845-1858.	5.9	42
76	Interaction between Set1p and checkpoint protein Mec3p in DNA repair and telomere functions. Nature Genetics, 1999, 21, 204-208.	21.4	100
77	Integration of the colicin A pore-forming domain into the cytoplasmic membrane of Escherichia coli 1 1Edited by I. B. Holland. Journal of Molecular Biology, 1999, 285, 1965-1975.	4.2	18
78	The mitochondrial processing peptidase behaves as a zinc-metallopeptidase. Journal of Molecular Biology, 1998, 280, 193-199.	4.2	37
79	Functional cooperation of the mitochondrial processing peptidase subunits. Journal of Molecular Biology, 1997, 272, 213-225.	4.2	58
80	Transmembrane Î±-Helix Interactions are Required for the Functional Assembly of theEscherichia coliTol Complex. Journal of Molecular Biology, 1995, 246, 1-7.	4.2	98
81	Insertion of Proteins into Membranes A Survey. Sub-Cellular Biochemistry, 1994, 22, 21-69.	2.4	2
82	Acidic interaction of the colicin A pore-forming domain with model membranes of Escherichia coli lipids results in a large perturbation of acyl chain order and stabilization of the bilayer. Biochemistry, 1992, 31, 11089-11094.	2.5	20
83	Isolation and molecular and functional properties of the amino-terminal domain of colicin A. FEBS Journal, 1989, 181, 109-113.	0.2	14
84	Purification and reconstitution into liposomes of an integral membrane protein conferring immunity to colicin A. FEMS Microbiology Letters, 1989, 60, 239-243.	1.8	12
85	Synthesis and sequence-specific proteolysis of a hybrid protein (colicin A :: growth hormone releasing) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	15
86	Interactions of colicin A domains with phospholipid monolayers and liposomes relevance to the mechanism of action. Biochemistry, 1989, 28, 2509-2514.	2.5	34
87	The membrane channel-forming colicin A: synthesis, secretion, structure, action and immunity. BBA - Biomembranes, 1988, 947, 445-464.	8.0	100
88	A molecular genetic approach to the functioning of the immunity protein to colicin A. Molecular Genetics and Genomics, 1986, 202, 455-460.	2.4	29