Vincent Geli

List of Publications by Year
in descending order

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	How telomeres are replicated. Nature Reviews Molecular Cell Biology, 2007, 8, 825-838.	37.0	396
2	Histone H3 lysine 4 trimethylation marks meiotic recombination initiation sites. EMBO Journal, 2009, 28, 99-111.	7.8	329
3	The DNA damage response at eroded telomeres and tethering to the nuclear pore complex. Nature Cell Biology, 2009, 11, 980-987.	10.3	191
4	The COMPASS Subunit Spp1 Links Histone Methylation to Initiation of Meiotic Recombination. Science, 2013, 339, 215-218.	12.6	186
5	A two-step model for senescence triggered by a single critically short telomere. Nature Cell Biology, 2009, 11, 988-993.	10.3	151
6	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
7	RPA regulates telomerase action by providing Est1p access to chromosome ends. Nature Genetics, 2004, 36, 46-54.	21.4	138
8	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
9	CST Meets Shelterin to Keep Telomeres in Check. Molecular Cell, 2010, 39, 665-676.	9.7	127
10	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
11	Methylation of H3 Lysine 4 at Euchromatin Promotes Sir3p Association with Heterochromatin. Journal of Biological Chemistry, 2004, 279, 47506-47512.	3.4	104
12	Introns Protect Eukaryotic Genomes from Transcription-Associated Genetic Instability. Molecular Cell, 2017, 67, 608-621.e6.	9.7	101
13	The membrane channel-forming colicin A: synthesis, secretion, structure, action and immunity. BBA - Biomembranes, 1988, 947, 445-464.	8.0	100
14	Interaction between Set1p and checkpoint protein Mec3p in DNA repair and telomere functions. Nature Genetics, 1999, 21, 204-208.	21.4	100
15	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
16	Ubiquitylation of the COMPASS component Swd2 links H2B ubiquitylation to H3K4 trimethylation. Nature Cell Biology, 2008, 10, 1365-1371.	10.3	84
17	<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
18	SUMO-Dependent Relocalization of Eroded Telomeres to Nuclear Pore Complexes Controls Telomere Recombination. Cell Reports, 2016, 15, 1242-1253.	6.4	79

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19	Structural Insights into Yeast Telomerase Recruitment to Telomeres. Cell, 2018, 172, 331-343.e13.	28.9	76
20	The MYST Domain Acetyltransferase Chameau Functions in Epigenetic Mechanisms of Transcriptional Repression. Current Biology, 2002, 12, 762-766.	3.9	73
21	Cotranslational assembly of the yeast SET1C histone methyltransferase complex. EMBO Journal, 2009, 28, 2959-2970.	7.8	73
22	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
23	The AprX protein of Pseudomonas aeruginosa : a new substrate for the Apr type I secretion system. Gene, 2001, 262, 147-153.	2.2	64
24	Non-canonical Roles of Telomerase: Unraveling the Imbroglio. Frontiers in Cell and Developmental Biology, 2019, 7, 332.	3.7	64
25	Histone H3 Lysine 4 Mono-methylation does not Require Ubiquitination of Histone H2B. Journal of Molecular Biology, 2005, 353, 477-484.	4.2	60
26	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
27	Functional cooperation of the mitochondrial processing peptidase subunits. Journal of Molecular Biology, 1997, 272, 213-225.	4.2	58
28	Subtelomeric proteins negatively regulate telomere elongation in budding yeast. EMBO Journal, 2006, 25, 846-856.	7.8	55
29	The number of vertebrate repeats can be regulated at yeast telomeres by Rap1-independent mechanisms. EMBO Journal, 2003, 22, 1697-1706.	7.8	53
30	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
31	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
32	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
33	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
34	RPA facilitates telomerase activity at chromosome ends in budding and fission yeasts. EMBO Journal, 2012, 31, 2034-2046.	7.8	44
35	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
36	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

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37	Cdc13 and Telomerase Bind through Different Mechanisms at the Lagging- and Leading-Strand Telomeres. Molecular Cell, 2010, 38, 842-852.	9.7	42
38	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
39	Recombinational DNA repair is regulated by compartmentalization of DNA lesions at the nuclear pore complex. BioEssays, 2015, 37, 1287-1292.	2.5	40
40	Posttranslational marks control architectural and functional plasticity of the nuclear pore complex basket. Journal of Cell Biology, 2016, 212, 167-180.	5.2	39
41	The mitochondrial processing peptidase behaves as a zinc-metallopeptidase. Journal of Molecular Biology, 1998, 280, 193-199.	4.2	37
42	Sgs1 and Sae2 promote telomere replication by limiting accumulation of ssDNA. Nature Communications, 2014, 5, 5004.	12.8	36
43	The Set1 N-terminal domain and Swd2 interact with RNA polymerase II CTD to recruit COMPASS. Nature Communications, 2020, 11, 2181.	12.8	35
44	Interactions of colicin A domains with phospholipid monolayers and liposomes relevance to the mechanism of action. Biochemistry, 1989, 28, 2509-2514.	2.5	34
45	Binding to RNA regulates Set1 function. Cell Discovery, 2017, 3, 17040.	6.7	31
46	The nuclear pore complex prevents sister chromatid recombination during replicative senescence. Nature Communications, 2020, 11, 160.	12.8	31
47	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
48	Rad59-Facilitated Acquisition of Yâ€² Elements by Short Telomeres Delays the Onset of Senescence. PLoS Genetics, 2014, 10, e1004736.	3.5	29
49	Gain-of-function mutations in RPA1 cause a syndrome with short telomeres and somatic genetic rescue. Blood, 2022, 139, 1039-1051.	1.4	29
50	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
51	Eroded telomeres are rearranged in quiescent fission yeast cells through duplications of subtelomeric sequences. Nature Communications, 2017, 8, 1684.	12.8	28
52	Telomerase Repairs Collapsed Replication Forks at Telomeres. Cell Reports, 2020, 30, 3312-3322.e3.	6.4	28
53	Spp1 at the crossroads of H3K4me3 regulation and meiotic recombination. Epigenetics, 2013, 8, 355-360.	2.7	27
54	RPA and Pif1 cooperate to remove G-rich structures at both leading and lagging strand. Cell Stress, 2020, 4, 48-63.	3.2	25

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55	The telomerase cycle: normal and pathological aspects. Journal of Molecular Medicine, 2005, 83, 244-257.	3.9	24
56	ZZW-115â€“dependent inhibition of NUPR1 nuclear translocation sensitizes cancer cells to genotoxic agents. JCI Insight, 2020, 5, .	5.0	24
57	UFMylation of MRE11 is essential for telomere length maintenance and hematopoietic stem cell survival. Science Advances, 2021, 7, eabc7371.	10.3	23
58	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
59	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
60	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
61	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
62	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
63	Cdc13 at a crossroads of telomerase action. Frontiers in Oncology, 2013, 3, 39.	2.8	18
64	Replisome Function During Replicative Stress Is Modulated by Histone H3 Lysine 56 Acetylation Through Ctf4. Genetics, 2015, 199, 1047-1063.	2.9	18
65	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
66	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
67	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
68	Synthesis and sequence-specific proteolysis of a hybrid protein (colicin A :: growth hormone releasing) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	15
69	Modeling Heterogeneity of Tripleâ€Negative Breast Cancer Uncovers a Novel Combinatorial Treatment Overcoming Primary Drug Resistance. Advanced Science, 2021, 8, 2003049.	11.2	15
70	Isolation and molecular and functional properties of the amino-terminal domain of colicin A. FEBS Journal, 1989, 181, 109-113.	0.2	14
71	Inherited human Apollo deficiency causes severe bone marrow failure and developmental defects. Blood, 2022, 139, 2427-2440.	1.4	14
72	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

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73	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
74	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
75	Histone stress: an unexplored source of chromosomal instability in cancer?. Current Genetics, 2019, 65, 1081-1088.	1.7	11
76	High levels of histones promote whole-genome-duplications and trigger a Swe1WEE1-dependent phosphorylation of Cdc28CDK1. ELife, 2018, 7, .	6.0	10
77	DNA damage response to eroded telomeres. Cell Cycle, 2009, 8, 3617-3618.	2.6	7
78	Telomeric Câ€circles localize at nuclear pore complexes in <i>Saccharomyces cerevisiae</i>. EMBO Journal, 2022, 41, e108736.	7.8	7
79	STEEx, a boundary between the world of quiescence and the vegetative cycle. Current Genetics, 2018, 64, 901-905.	1.7	5
80	Genome stability is guarded by yeast Rtt105 through multiple mechanisms. Genetics, 2021, 217, .	2.9	5
81	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
82	Histone Purification from Saccharomyces cerevisiae. Methods in Molecular Biology, 2017, 1528, 69-73.	0.9	5
83	The fate of irreparable DNA double-strand breaks and eroded telomeres at the nuclear periphery. Nucleus, 2010, 1, 158-161.	2.2	5
84	De novo telomere addition at chromosome breaks: Dangerous Liaisons. Journal of Cell Biology, 2017, 216, 2243-2245.	5.2	4
85	<i><scp>TERRA</scp> Incognita</i> at chromosome ends. EMBO Reports, 2016, 17, 933-934.	4.5	2
86	Insertion of Proteins into Membranes A Survey. Sub-Cellular Biochemistry, 1994, 22, 21-69.	2.4	2
87	Analysis of Recombination at Yeast Telomeres. Methods in Molecular Biology, 2021, 2153, 395-402.	0.9	1
88	RAP1 moonlights to activate NF-Î°B and Notch in ALT. Science Signaling, 2021, 14, .	3.6	0