Anja Groth

List of Publications by Year in descending order

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48 papers	6,126 citations	147566 31 h-index	214527 47 g-index
54 all docs	54 docs citations	54 times ranked	6803 citing authors

#	Article	IF	Citations
1	Chromatin Challenges during DNA Replication and Repair. Cell, 2007, 128, 721-733.	13.5	669
2	Chromatin replication and epigenome maintenance. Nature Reviews Molecular Cell Biology, 2012, 13, 153-167.	16.1	503
3	Regulation of Replication Fork Progression Through Histone Supply and Demand. Science, 2007, 318, 1928-1931.	6.0	407
4	Histone chaperone networks shaping chromatin function. Nature Reviews Molecular Cell Biology, 2017, 18, 141-158.	16.1	401
5	Two distinct modes for propagation of histone PTMs across the cell cycle. Genes and Development, 2015, 29, 585-590.	2.7	334
6	Nascent chromatin capture proteomics determines chromatin dynamics during DNA replication and identifies unknown fork components. Nature Cell Biology, 2014, 16, 281-291.	4.6	312
7	Regulation of G2/M events by Cdc25A through phosphorylation-dependent modulation of its stability. EMBO Journal, 2002, 21, 5911-5920.	3.5	272
8	Replication Stress Interferes with Histone Recycling and Predeposition Marking of New Histones. Molecular Cell, 2010, 37, 736-743.	4.5	242
9	Human Asf1 Regulates the Flow of S Phase Histones during Replicational Stress. Molecular Cell, 2005, 17, 301-311.	4.5	241
10	Cyclin-Dependent Kinase Suppression by WEE1 Kinase Protects the Genome through Control of Replication Initiation and Nucleotide Consumption. Molecular and Cellular Biology, 2012, 32, 4226-4236.	1.1	238
11	MCM2 promotes symmetric inheritance of modified histones during DNA replication. Science, 2018, 361, 1389-1392.	6.0	207
12	A unique binding mode enables MCM2 to chaperone histones H3â€“H4 at replication forks. Nature Structural and Molecular Biology, 2015, 22, 618-626.	3.6	192
13	Accurate Recycling of Parental Histones Reproduces the Histone Modification Landscape during DNA Replication. Molecular Cell, 2018, 72, 239-249.e5.	4.5	188
14	H4K20me0 marks post-replicative chromatin and recruits the TONSLâ€“MMS22L DNA repair complex. Nature, 2016, 534, 714-718.	13.7	172
15	Chromatin replication and epigenetic cell memory. Nature Cell Biology, 2020, 22, 361-371.	4.6	170
16	H4K20me0 recognition by BRCA1â€“BARD1 directs homologous recombination to sister chromatids. Nature Cell Biology, 2019, 21, 311-318.	4.6	146
17	Human Tousled like kinases are targeted by an ATM- and Chk1-dependent DNA damage checkpoint. EMBO Journal, 2003, 22, 1676-1687.	3.5	143
18	New histone supply regulates replication fork speed and PCNA unloading. Journal of Cell Biology, 2014, 204, 29-43.	2.3	132

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19	Identification of the MMS22L-TONSL Complex that Promotes Homologous Recombination. Molecular Cell, 2010, 40, 632-644.	4.5	100
20	<scp>BRPF</scp> 3â€•<scp>HBO</scp> 1 regulates replication origin activation and histone H3K14 acetylation. EMBO Journal, 2016, 35, 176-192.	3.5	97
21	BARD1 reads H2A lysine 15 ubiquitination to direct homologous recombination. Nature, 2021, 596, 433-437.	13.7	92
22	Cmr1/WDR76 defines a nuclear genotoxic stress body linking genome integrity and protein quality control. Nature Communications, 2015, 6, 6533.	5.8	80
23	Codanin-1, mutated in the anaemic disease CDAI, regulates Asf1 function in S-phase histone supply. EMBO Journal, 2012, 31, 2013-2023.	3.5	66
24	TRAIP is a PCNA-binding ubiquitin ligase that protects genome stability after replication stress. Journal of Cell Biology, 2016, 212, 63-75.	2.3	65
25	Transcription Restart Establishes Chromatin Accessibility after DNA Replication. Molecular Cell, 2019, 75, 284-297.e6.	4.5	62
26	Proteome dynamics at broken replication forks reveal a distinct ATM-directed repair response suppressing DNA double-strand break ubiquitination. Molecular Cell, 2021, 81, 1084-1099.e6.	4.5	57
27	Tousled-like kinases phosphorylate Asf1 to promote histone supply during DNA replication. Nature Communications, 2014, 5, 3394.	5.8	54
28	Domain Model Explains Propagation Dynamics and Stability of Histone H3K27 and H3K36 Methylation Landscapes. Cell Reports, 2020, 30, 1223-1234.e8.	2.9	54
29	Chromatin Replication and Histone Dynamics. Advances in Experimental Medicine and Biology, 2017, 1042, 311-333.	0.8	44
30	Oncogenic Ras induces p19ARF and growth arrest in mouse embryo fibroblasts lacking p21Cip1 and p27Kip1 without activating cyclin D-dependent kinases. Journal of Biological Chemistry, 2000, 275, 27473-80.	1.6	42
31	Tousled-like kinases stabilize replication forks and show synthetic lethality with checkpoint and PARP inhibitors. Science Advances, 2018, 4, eaat4985.	4.7	40
32	Restoring chromatin after replication: How new and old histone marks come together. Seminars in Cell and Developmental Biology, 2010, 21, 231-237.	2.3	34
33	DNAJC9 integrates heat shock molecular chaperones into the histone chaperone network. Molecular Cell, 2021, 81, 2533-2548.e9.	4.5	31
34	H3K56me1 Marks a Spot for PCNA. Molecular Cell, 2012, 46, 1-2.	4.5	29
35	Codanin-1, mutated in the anaemic disease CDAI, regulates Asf1 function in S-phase histone supply. EMBO Journal, 2012, 31, 3229-3229.	3.5	27
36	Replication stress, a source of epigenetic aberrations in cancer?. BioEssays, 2010, 32, 847-855.	1.2	26

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37	Replicating chromatin: a tale of histonesThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCBâ€™s 51st Annual MeetingÂâ€“ Epigenetics and Chromatin Dynamics, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2009, 87, 51-63.	0.9	21
38	NASP maintains histone H3â€“H4 homeostasis through two distinct H3 binding modes. Nucleic Acids Research, 2022, 50, 5349-5368.	6.5	21
39	Differential requirements for Tousled-like kinases 1 and 2 in mammalian development. Cell Death and Differentiation, 2017, 24, 1872-1885.	5.0	20
40	Ras-inducible immortalized fibroblasts: focus formation without cell cycle deregulation. Oncogene, 2002, 21, 3058-3067.	2.6	17
41	Genome-wide and sister chromatid-resolved profiling of protein occupancy in replicated chromatin with ChOR-seq and SCAR-seq. Nature Protocols, 2021, 16, 4446-4493.	5.5	11
42	Genetic and functional insights into CDA-I prevalence and pathogenesis. Journal of Medical Genetics, 2021, 58, 185-195.	1.5	9
43	High-density growth arrest in Ras-transformed cells: low Cdk kinase activities in spite of absence of p27 Cdk-complexes. Cellular Signalling, 2005, 17, 1063-1073.	1.7	7
44	Broken Silence Restoredâ€”Remodeling Primes for Deacetylation at Replication Forks. Molecular Cell, 2011, 42, 267-269.	4.5	6
45	Repeat RNAs associate with replication forks and post-replicative DNA. Rna, 2020, 26, 1104-1117.	1.6	5
46	A chromatin-based signalling mechanism directs the switch from mutagenic to error-free repair of DNA double strand breaks. Molecular and Cellular Oncology, 2019, 6, 1605820.	0.3	3
47	TRAIP is a PCNA-binding ubiquitin ligase that protects genome stability after replication stress. Journal of Experimental Medicine, 2016, 213, 2131OIA127.	4.2	0
48	Replication of Chromatin. , 2009, , 297-315.		0