

David M Macalpine

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,248
citations

471509

17
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

3131
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of metazoan chromatin organization. <i>Nature</i> , 2014, 512, 449-452.	27.8	363
2	Conserved nucleosome positioning defines replication origins. <i>Genes and Development</i> , 2010, 24, 748-753.	5.9	333
3	Epigenome characterization at single base-pair resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18318-18323.	7.1	325
4	<i>Drosophila</i> ORC localizes to open chromatin and marks sites of cohesin complex loading. <i>Genome Research</i> , 2010, 20, 201-211.	5.5	248
5	Chromatin and DNA Replication. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a010207-a010207.	5.5	162
6	DNA replication origins—where do we begin?. <i>Genes and Development</i> , 2016, 30, 1683-1697.	5.9	153
7	Heterogeneous polymerase fidelity and mismatch repair bias genome variation and composition. <i>Genome Research</i> , 2014, 24, 1751-1764.	5.5	141
8	Genome-wide chromatin footprinting reveals changes in replication origin architecture induced by pre-RC assembly. <i>Genes and Development</i> , 2015, 29, 212-224.	5.9	82
9	DNA replication and transcription programs respond to the same chromatin cues. <i>Genome Research</i> , 2014, 24, 1102-1114.	5.5	74
10	Dynamic loading and redistribution of the Mcm2-7 helicase complex through the cell cycle. <i>EMBO Journal</i> , 2015, 34, 531-543.	7.8	73
11	Nucleosomes influence multiple steps during replication initiation. <i>ELife</i> , 2017, 6, .	6.0	58
12	Noncoding Transcription Is a Driving Force for Nucleosome Instability in <i>spt16</i> Mutant Cells. <i>Molecular and Cellular Biology</i> , 2016, 36, 1856-1867.	2.3	39
13	Chromatin conformation and transcriptional activity are permissive regulators of DNA replication initiation in <i>Drosophila</i> . <i>Genome Research</i> , 2018, 28, 1688-1700.	5.5	29
14	Nascent chromatin occupancy profiling reveals locus- and factor-specific chromatin maturation dynamics behind the DNA replication fork. <i>Genome Research</i> , 2019, 29, 1123-1133.	5.5	27
15	Sir2 suppresses transcription-mediated displacement of Mcm2-7 replicative helicases at the ribosomal DNA repeats. <i>PLoS Genetics</i> , 2019, 15, e1008138.	3.5	25
16	Capturing the primordial Kras mutation initiating urethane carcinogenesis. <i>Nature Communications</i> , 2020, 11, 1800.	12.8	25
17	Methylation of histone H4 lysine 20 by PR-Set7 ensures the integrity of late replicating sequence domains in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 2016, 44, gkw333.	14.5	24
18	Mcm2-7 Is an Active Player in the DNA Replication Checkpoint Signaling Cascade via Proposed Modulation of Its DNA Gate. <i>Molecular and Cellular Biology</i> , 2015, 35, 2131-2143.	2.3	14

#	ARTICLE	IF	CITATIONS
19	Local nucleosome dynamics and eviction following a double-strand break are reversible by NHEJ-mediated repair in the absence of DNA replication. <i>Genome Research</i> , 2021, 31, 775-788.	5.5	10
20	SnapShot: Origins of DNA Replication. <i>Cell</i> , 2015, 161, 418-418.e1.	28.9	9
21	Linking the dynamics of chromatin occupancy and transcription with predictive models. <i>Genome Research</i> , 2021, 31, 1035-1046.	5.5	7
22	ORChestrating the human DNA replication program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9136-9138.	7.1	4
23	Stochastic initiation of DNA replication across the human genome. <i>Molecular Cell</i> , 2021, 81, 2873-2874.	9.7	4
24	Disruption of origin chromatin structure by helicase activation in the absence of DNA replication. <i>Genes and Development</i> , 2021, 35, 1339-1355.	5.9	4
25	Chromatin Determinants of Origin Selection and Activation. , 2016, , 87-104.		4
26	RoboCOP: jointly computing chromatin occupancy profiles for numerous factors from chromatin accessibility data. <i>Nucleic Acids Research</i> , 2021, 49, 7925-7938.	14.5	3
27	Cell-Cycle-Dependent Chromatin Dynamics at Replication Origins. <i>Genes</i> , 2021, 12, 1998.	2.4	3
28	The role of local transcription and chromatin structure in establishing DNA replication origins. <i>FASEB Journal</i> , 2009, 23, 78.2.	0.5	0
29	RoboCOP: Multivariate State Space Model Integrating Epigenomic Accessibility Data to Elucidate Genome-Wide Chromatin Occupancy. <i>Lecture Notes in Computer Science</i> , 2020, 12074, 136-151.	1.3	0