Nick Gilbert

List of Publications by Year
in descending order

41 papers	3,760 citations	304368 22 h-index	276539 41 g-index
60 all docs	60 docs citations	60 times ranked	6213 citing authors

#	Article	IF	Citations
1	Predictive Polymer Models for 3D Chromosome Organization. Methods in Molecular Biology, 2022, 2301, 267-291.	0.4	1
2	The role of SAF-A/hnRNP U in regulating chromatin structure. Current Opinion in Genetics and Development, 2022, 72, 38-44.	1.5	16
3	SAF-A promotes origin licensing and replication fork progression to ensure robust DNA replication. Journal of Cell Science, 2022, 135, .	1.2	9
4	User acceptability of saliva and gargle samples for identifying COVID-19 positive high-risk workers and household contacts. Diagnostic Microbiology and Infectious Disease, 2022, , 115732.	0.8	1
5	Parameter-free molecular super-structures quantification in single-molecule localization microscopy. Journal of Cell Biology, 2021, 220, .	2.3	14
6	Acute depletion of the ARID1A subunit of SWI/SNF complexes reveals distinct pathways for activation and repression of transcription. Cell Reports, 2021, 37, 109943.	2.9	23
7	Predicting genome organisation and function with mechanistic modelling. Trends in Genetics, 2021, , .	2.9	9
8	Common Fragile Sites Are Characterized by Faulty Condensin Loading after Replication Stress. Cell Reports, 2020, 32, 108177.	2.9	33
9	Mechanistic modeling of chromatin folding to understand function. Nature Methods, 2020, 17, 767-775.	9.0	62
10	Negative supercoil at gene boundaries modulates gene topology. Nature, 2020, 577, 701-705.	13.7	53
11	A sensitive and affordable multiplex RT-qPCR assay for SARS-CoV-2 detection. PLoS Biology, 2020, 18, e3001030.	2.6	32
12	The RIF1-long splice variant promotes G1 phase 53BP1 nuclear bodies to protect against replication stress. ELife, 2020, 9, .	2.8	13
13	Large-scale chromatin organisation in interphase, mitosis and meiosis. Biochemical Journal, 2019, 476, 2141-2156.	1.7	13
14	Biophysical regulation of local chromatin structure. Current Opinion in Genetics and Development, 2019, 55, 66-75.	1.5	14
15	capC-MAP: software for analysis of Capture-C data. Bioinformatics, 2019, 35, 4773-4775.	1.8	15
16	Role of nuclear RNA in regulating chromatin structure and transcription. Current Opinion in Cell Biology, 2019, 58, 120-125.	2.6	47
17	The many length scales of DNA packaging. Essays in Biochemistry, 2019, 63, 1-4.	2.1	3
18	RNA: Nuclear Glue for Folding the Genome. Trends in Cell Biology, 2019, 29, 201-211.	3.6	63

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19	Centromere transcription allows CENP-A to transit from chromatin association to stable incorporation. Journal of Cell Biology, 2018, 217, 1957-1972.	2.3	104
20	Polymer Simulations of Heteromorphic Chromatin Predict the 3D Folding of Complex Genomic Loci. Molecular Cell, 2018, 72, 786-797.e11.	4.5	131
21	Functional characteristics of novel pancreatic Pax6 regulatory elements. Human Molecular Genetics, 2018, 27, 3434-3448.	1.4	19
22	KDM3A coordinates actin dynamics with intraflagellar transport to regulate cilia stability. Journal of Cell Biology, 2017, 216, 999-1013.	2.3	33
23	Genome organization: experiments and modeling. Chromosome Research, 2017, 25, 1-4.	1.0	9
24	Investigating DNA supercoiling in eukaryotic genomes. Briefings in Functional Genomics, 2017, 16, 379-389.	1.3	34
25	SAF-A Regulates Interphase Chromosome Structure through Oligomerization with Chromatin-Associated RNAs. Cell, 2017, 169, 1214-1227.e18.	13.5	166
26	Regulation of transcriptional activators by DNA-binding domain ubiquitination. Cell Death and Differentiation, 2017, 24, 903-916.	5.0	27
27	cGAS surveillance of micronuclei links genome instability to innate immunity. Nature, 2017, 548, 461-465.	13.7	1,158
28	Effects of DNA supercoiling on chromatin architecture. Biophysical Reviews, 2016, 8, 51-64.	1.5	42
29	Effects of DNA supercoiling on chromatin architecture. Biophysical Reviews, 2016, 8, 245-258.	1.5	52
30	Nuclear FAK Controls Chemokine Transcription, Tregs, and Evasion of Anti-tumor Immunity. Cell, 2015, 163, 160-173.	13.5	304
31	Interphase Chromatin LINEd with RNA. Cell, 2014, 156, 864-865.	13.5	5
32	Supercoiling in DNA and chromatin. Current Opinion in Genetics and Development, 2014, 25, 15-21.	1.5	102
33	Profiling DNA supercoiling domains in vivo. Genomics Data, 2014, 2, 264-267.	1.3	4
34	Transcription forms and remodels supercoiling domains unfolding large-scale chromatin structures. Nature Structural and Molecular Biology, 2013, 20, 387-395.	3.6	324
35	Divergent RNA transcription. Transcription, 2013, 4, 162-166.	1.7	27
36	Analysis of Active and Inactive X Chromosome Architecture Reveals the Independent Organization ofÂ30Ânm and Large-Scale Chromatin Structures. Molecular Cell, 2010, 40, 397-409.	4.5	73

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37	The relationship between higher-order chromatin structure and transcription. Biochemical Society Symposia, 2006, 73, 59-66.	2.7	11
38	The relationship between chromatin structure and transcriptional activity in mammalian genomes. Briefings in Functional Genomics & Proteomics, 2005, 4, 129-142.	3.8	22
39	Chromatin Organization in the Mammalian Nucleus. International Review of Cytology, 2004, 242, 283-336.	6.2	125
40	Chromatin Architecture of the Human Genome. Cell, 2004, 118, 555-566.	13.5	452
41	Formation of facultative heterochromatin in the absence of HP1. EMBO Journal, 2003, 22, 5540-5550.	3.5	102