

Brian McStay

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,645
citations

331670

21
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	The Epigenetics of rRNA Genes: From Molecular to Chromosome Biology. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 131-157.	9.4	465
2	UBF Binding In Vivo Is Not Restricted to Regulatory Sequences within the Vertebrate Ribosomal DNA Repeat. <i>Molecular and Cellular Biology</i> , 2002, 22, 657-658.	2.3	198
3	Nucleolar organizer regions: genomic "dark matter" requiring illumination. <i>Genes and Development</i> , 2016, 30, 1598-1610.	5.9	193
4	A localized nucleolar DNA damage response facilitates recruitment of the homology-directed repair machinery independent of cell cycle stage. <i>Genes and Development</i> , 2015, 29, 1151-1163.	5.9	191
5	UBF-binding site arrays form pseudo-NORs and sequester the RNA polymerase I transcription machinery. <i>Genes and Development</i> , 2005, 19, 50-64.	5.9	154
6	A termination site for <i>Xenopus</i> RNA polymerase I also acts as an element of an adjacent promoter. <i>Cell</i> , 1986, 47, 913-920.	28.9	153
7	Recruitment of factors linking transcription and processing of pre-rRNA to NOR chromatin is UBF-dependent and occurs independent of transcription in human cells. <i>Genes and Development</i> , 2007, 21, 2041-2054.	5.9	137
8	Involvement of SIRT7 in resumption of rDNA transcription at the exit from mitosis. <i>Journal of Cell Science</i> , 2009, 122, 489-498.	2.0	131
9	The shared genomic architecture of human nucleolar organizer regions. <i>Genome Research</i> , 2013, 23, 2003-2012.	5.5	107
10	Construction of synthetic nucleoli in human cells reveals how a major functional nuclear domain is formed and propagated through cell division. <i>Genes and Development</i> , 2014, 28, 220-230.	5.9	107
11	Nucleolar dominance: a model for rRNA gene silencing. <i>Genes and Development</i> , 2006, 20, 1207-1214.	5.9	91
12	NOL11, Implicated in the Pathogenesis of North American Indian Childhood Cirrhosis, Is Required for Pre-rRNA Transcription and Processing. <i>PLoS Genetics</i> , 2012, 8, e1002892.	3.5	88
13	Nucleolar reorganization in response to rDNA damage. <i>Current Opinion in Cell Biology</i> , 2017, 46, 81-86.	5.4	73
14	Integrating the genomic architecture of human nucleolar organizer regions with the biophysical properties of nucleoli. <i>FEBS Journal</i> , 2017, 284, 3977-3985.	4.7	68
15	A Novel Small-Subunit Processome Assembly Intermediate That Contains the U3 snoRNP, Nucleolin, RRP5, and DBP4. <i>Molecular and Cellular Biology</i> , 2009, 29, 3007-3017.	2.3	64
16	Structure-function analysis of Hmo1 unveils an ancestral organization of HMG-Box factors involved in ribosomal DNA transcription from yeast to human. <i>Nucleic Acids Research</i> , 2013, 41, 10135-10149.	14.5	47
17	Pseudo-NORs: A novel model for studying nucleoli. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 2116-2123.	4.1	45
18	Linker scanner mutagenesis of the <i>Xenopus laevis</i> ribosomal gene promoter. <i>Nucleic Acids Research</i> , 1987, 15, 7429-7441.	14.5	44

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19	Nucleolar protein upstream binding factor is sequestered into adenovirus DNA replication centres during infection without affecting RNA polymerase I location or ablating rRNA synthesis. <i>Journal of Cell Science</i> , 2006, 119, 2621-2631.	2.0	38
20	Nucleolar DNA Double-Strand Break Responses Underpinning rDNA Genomic Stability. <i>Trends in Genetics</i> , 2019, 35, 743-753.	6.7	33
21	Human NORs, comprising rDNA arrays and functionally conserved distal elements, are located within dynamic chromosomal regions. <i>Genes and Development</i> , 2019, 33, 1688-1701.	5.9	30
22	NORs on human acrocentric chromosome p-arms are active by default and can associate with nucleoli independently of rDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10368-10377.	7.1	29
23	Ribosome biogenesis: Achilles heel of cancer?. <i>Genes and Cancer</i> , 2014, 5, 152-153.	1.9	23
24	HMG box 4 is the principal determinant of species specificity in the RNA polymerase I transcription factor UBF. <i>Nucleic Acids Research</i> , 1995, 23, 4583-4590.	14.5	21
25	Resolution of human ribosomal DNA occurs in anaphase, dependent on tankyrase 1, condensin II, and topoisomerase III \pm . <i>Genes and Development</i> , 2019, 33, 276-281.	5.9	21
26	On the formation of amplified nucleoli during early <i>Xenopus</i> oogenesis. <i>Journal of Structural Biology</i> , 2002, 140, 214-226.	2.8	19
27	Construction of synthetic nucleoli and what it tells us about propagation of sub-nuclear domains through cell division. <i>Cell Cycle</i> , 2014, 13, 2501-2508.	2.6	19
28	A role for upstream binding factor in organizing ribosomal gene chromatin. <i>Biochemical Society Symposia</i> , 2006, 73, 77-84.	2.7	19
29	The Relationship Between Human Nucleolar Organizer Regions and Nucleoli, Probed by 3D-ImmunoFISH. <i>Methods in Molecular Biology</i> , 2016, 1455, 3-14.	0.9	13
30	Human nucleoli comprise multiple constrained territories, tethered to individual chromosomes. <i>Genes and Development</i> , 2021, 35, 483-488.	5.9	11
31	UBF an Essential Player in Maintenance of Active NORs and Nucleolar Formation. , 2011, , 83-103.		4
32	Replication timing of pseudo-NORs. <i>Journal of Structural Biology</i> , 2011, 173, 213-218.	2.8	3
33	DNA repair: Location, location, location. <i>Oncotarget</i> , 2015, 6, 16828-16829.	1.8	1