

Robin Campbell Allshire

List of Publications by Year in descending order

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127
papers

17,529
citations

16451

64
h-index

15266

126
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160
all docs

160
docs citations

160
times ranked

12833
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of centromere identity is dependent on nuclear spatial organization. <i>Current Biology</i> , 2022, 32, 3121-3136.e6.	3.9	8
2	NANOS2 is a sequence-specific mRNA-binding protein that promotes transcript degradation in spermatogonial stem cells. <i>IScience</i> , 2021, 24, 102762.	4.1	11
3	A systematic analysis of <i>Trypanosoma brucei</i> chromatin factors identifies novel protein interaction networks associated with sites of transcription initiation and termination. <i>Genome Research</i> , 2021, 31, 2138-2154.	5.5	33
4	iNucs: inter-nucleosome interactions. <i>Bioinformatics</i> , 2021, 37, 4562-4563.	4.1	2
5	TEX15 is an essential executor of MIWI2-directed transposon DNA methylation and silencing. <i>Nature Communications</i> , 2020, 11, 3739.	12.8	44
6	Epigenetic gene silencing by heterochromatin primes fungal resistance. <i>Nature</i> , 2020, 585, 453-458.	27.8	68
7	SPOCD1 is an essential executor of piRNA-directed de novo DNA methylation. <i>Nature</i> , 2020, 584, 635-639.	27.8	96
8	Hap2 facilitates transcription promotes de novo establishment of CENP-A chromatin. <i>Genes and Development</i> , 2020, 34, 226-238.	5.9	18
9	SpEDIT: A fast and efficient CRISPR/Cas9 method for fission yeast. <i>Wellcome Open Research</i> , 2020, 5, 274.	1.8	24
10	Large domains of heterochromatin direct the formation of short mitotic chromosome loops. <i>ELife</i> , 2020, 9, .	6.0	11
11	Interspecies conservation of organisation and function between nonhomologous regional centromeres. <i>Nature Communications</i> , 2019, 10, 2343.	12.8	36
12	Fitness Landscape of the Fission Yeast Genome. <i>Molecular Biology and Evolution</i> , 2019, 36, 1612-1623.	8.9	12
13	Gain-of-function DNMT3A mutations cause microcephalic dwarfism and hypermethylation of Polycomb-regulated regions. <i>Nature Genetics</i> , 2019, 51, 96-105.	21.4	110
14	A programmed wave of uridylation-primed mRNA degradation is essential for meiotic progression and mammalian spermatogenesis. <i>Cell Research</i> , 2019, 29, 221-232.	12.0	48
15	Ten principles of heterochromatin formation and function. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 229-244.	37.0	523
16	Centromere DNA Destabilizes H3 Nucleosomes to Promote CENP-A Deposition during the Cell Cycle. <i>Current Biology</i> , 2018, 28, 3924-3936.e4.	3.9	45
17	Transposon-driven transcription is a conserved feature of vertebrate spermatogenesis and transcript evolution. <i>EMBO Reports</i> , 2017, 18, 1231-1247.	4.5	34
18	RNA polymerase II stalling at pre-mRNA splice sites is enforced by ubiquitination of the catalytic subunit. <i>ELife</i> , 2017, 6, .	6.0	16

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19	Emerging Properties and Functional Consequences of Noncoding Transcription. <i>Genetics</i> , 2017, 207, 357-367.	2.9	42
20	Histone H3G34R mutation causes replication stress, homologous recombination defects and genomic instability in <i>S. pombe</i> . <i>ELife</i> , 2017, 6, .	6.0	36
21	Endogenous Mouse Dicer Is an Exclusively Cytoplasmic Protein. <i>PLoS Genetics</i> , 2016, 12, e1006095.	3.5	27
22	Transcription-coupled changes to chromatin underpin gene silencing by transcriptional interference. <i>Nucleic Acids Research</i> , 2016, 44, 10619-10630.	14.5	29
23	Centromere localization and function of Mis18 requires Yippee-like domain-mediated oligomerization. <i>EMBO Reports</i> , 2016, 17, 496-507.	4.5	38
24	Abo1, a conserved bromodomain AAA-ATPase, maintains global nucleosome occupancy and organisation. <i>EMBO Reports</i> , 2016, 17, 79-93.	4.5	22
25	Panspecies Small-Molecule Disruptors of Heterochromatin-Mediated Transcriptional Gene Silencing. <i>Molecular and Cellular Biology</i> , 2015, 35, 662-674.	2.3	3
26	Epigenetic Regulation of Chromatin States in <i>Schizosaccharomyces pombe</i> . <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018770.	5.5	161
27	Sequence Features and Transcriptional Stalling within Centromere DNA Promote Establishment of CENP-A Chromatin. <i>PLoS Genetics</i> , 2015, 11, e1004986.	3.5	92
28	A nucleosome turnover map reveals that the stability of histone H4 Lys20 methylation depends on histone recycling in transcribed chromatin. <i>Genome Research</i> , 2015, 25, 872-883.	5.5	51
29	Restricted epigenetic inheritance of H3K9 methylation. <i>Science</i> , 2015, 348, 132-135.	12.6	223
30	A systematic genetic screen identifies new factors influencing centromeric heterochromatin integrity in fission yeast. <i>Genome Biology</i> , 2014, 15, 481.	8.8	21
31	Reply to "CENP-A octamers do not confer a reduction in nucleosome height by AFM". <i>Nature Structural and Molecular Biology</i> , 2014, 21, 5-8.	8.2	7
32	Long non-coding RNA-mediated transcriptional interference of a permease gene confers drug tolerance in fission yeast. <i>Nature Communications</i> , 2014, 5, 5576.	12.8	83
33	Anarchic centromeres: deciphering order from apparent chaos. <i>Current Opinion in Cell Biology</i> , 2014, 26, 41-50.	5.4	23
34	A histone H3K36 chromatin switch coordinates DNA double-strand break repair pathway choice. <i>Nature Communications</i> , 2014, 5, 4091.	12.8	134
35	Eic1 links Mis18 with the CCAN/Mis6/Ctf19 complex to promote CENP-A assembly. <i>Open Biology</i> , 2014, 4, 140043.	3.6	41
36	The RFTS Domain of Raf2 Is Required for Cul4 Interaction and Heterochromatin Integrity in Fission Yeast. <i>PLoS ONE</i> , 2014, 9, e104161.	2.5	5

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37	CENP-A confers a reduction in height on octameric nucleosomes. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 763-765.	8.2	43
38	Distinct roles for Sir2 and RNAi in centromeric heterochromatin nucleation, spreading and maintenance. <i>EMBO Journal</i> , 2013, 32, 1250-1264.	7.8	59
39	Telomeric Repeats Facilitate CENP-ACnp1 Incorporation via Telomere Binding Proteins. <i>PLoS ONE</i> , 2013, 8, e69673.	2.5	27
40	Factors That Promote H3 Chromatin Integrity during Transcription Prevent Promiscuous Deposition of CENP-ACnp1 in Fission Yeast. <i>PLoS Genetics</i> , 2012, 8, e1002985.	3.5	101
41	Raf1 Is a DCAF for the Rik1 DDB1-Like Protein and Has Separable Roles in siRNA Generation and Chromatin Modification. <i>PLoS Genetics</i> , 2012, 8, e1002499.	3.5	26
42	Quantitative single-molecule microscopy reveals that CENP-A ^{Cnp1} deposition occurs during G2 in fission yeast. <i>Open Biology</i> , 2012, 2, 120078.	3.6	145
43	Comparative Functional Genomics of the Fission Yeasts. <i>Science</i> , 2011, 332, 930-936.	12.6	458
44	Common ground: small RNA programming and chromatin modifications. <i>Current Opinion in Cell Biology</i> , 2011, 23, 258-265.	5.4	70
45	Identification of Noncoding Transcripts from within CENP-A Chromatin at Fission Yeast Centromeres. <i>Journal of Biological Chemistry</i> , 2011, 286, 23600-23607.	3.4	116
46	Six degrees of separation. <i>Nature</i> , 2011, 477, 283-284.	27.8	0
47	Hairpin RNA induces secondary small interfering RNA synthesis and silencing in <i>trans</i> in fission yeast. <i>EMBO Reports</i> , 2010, 11, 112-118.	4.5	64
48	Silencing Mediated by the <i>Schizosaccharomyces pombe</i> HIRA Complex Is Dependent upon the Hpc2-Like Protein, Hip4. <i>PLoS ONE</i> , 2010, 5, e13488.	2.5	27
49	Building centromeres: home sweet home or a nomadic existence?. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 118-126.	3.3	60
50	Stc1: A Critical Link between RNAi and Chromatin Modification Required for Heterochromatin Integrity. <i>Cell</i> , 2010, 140, 666-677.	28.9	195
51	Synthetic Heterochromatin Bypasses RNAi and Centromeric Repeats to Establish Functional Centromeres. <i>Science</i> , 2009, 324, 1716-1719.	12.6	147
52	Analysis of small RNA in fission yeast; centromeric siRNAs are potentially generated through a structured RNA. <i>EMBO Journal</i> , 2009, 28, 3832-3844.	7.8	73
53	Common Ancestry of the CENP-A Chaperones Scm3 and HJURP. <i>Cell</i> , 2009, 137, 1173-1174.	28.9	136
54	Fission Yeast Scm3: A CENP-A Receptor Required for Integrity of Subkinetochore Chromatin. <i>Molecular Cell</i> , 2009, 33, 299-311.	9.7	187

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55	Epigenetic regulation of centromeric chromatin: old dogs, new tricks?. <i>Nature Reviews Genetics</i> , 2008, 9, 923-937.	16.3	521
56	Heterochromatin and RNAi Are Required to Establish CENP-A Chromatin at Centromeres. <i>Science</i> , 2008, 319, 94-97.	12.6	259
57	Splicing Factors Facilitate RNAi-Directed Silencing in Fission Yeast. <i>Science</i> , 2008, 322, 602-606.	12.6	113
58	RNAi-Mediated Chromatin Silencing in Fission Yeast. <i>Current Topics in Microbiology and Immunology</i> , 2008, 320, 157-183.	1.1	129
59	A DNA Polymerase $\hat{\pm}$ Accessory Protein, Mcl1, Is Required for Propagation of Centromere Structures in Fission Yeast. <i>PLoS ONE</i> , 2008, 3, e2221.	2.5	20
60	Plasticity of Fission Yeast CENP-A Chromatin Driven by Relative Levels of Histone H3 and H4. <i>PLoS Genetics</i> , 2007, 3, e121.	3.5	78
61	DegrAAAed into Silence. <i>Cell</i> , 2007, 129, 651-653.	28.9	8
62	A NASP (N1/N2)-Related Protein, Sim3, Binds CENP-A and Is Required for Its Deposition at Fission Yeast Centromeres. <i>Molecular Cell</i> , 2007, 28, 1029-1044.	9.7	95
63	The JmjC domain protein Epe1 prevents unregulated assembly and disassembly of heterochromatin. <i>EMBO Journal</i> , 2007, 26, 4670-4682.	7.8	98
64	The Chromatin-Remodeling Factor FACT Contributes to Centromeric Heterochromatin Independently of RNAi. <i>Current Biology</i> , 2007, 17, 1219-1224.	3.9	79
65	The Kinetochores Pcs1 and Mde4 and Heterochromatin Are Required to Prevent Merotelic Orientation. <i>Current Biology</i> , 2007, 17, 1190-1200.	3.9	98
66	Genome-Wide Studies of Histone Demethylation Catalysed by the Fission Yeast Homologues of Mammalian LSD1. <i>PLoS ONE</i> , 2007, 2, e386.	2.5	44
67	Molecular Biology: Silencing Unlimited. <i>Current Biology</i> , 2006, 16, R635-R638.	3.9	4
68	Fta2, an Essential Fission Yeast Kinetochores Component, Interacts Closely with the Conserved Mal2 Protein. <i>Molecular Biology of the Cell</i> , 2006, 17, 4167-4178.	2.1	17
69	Methylation: lost in hydroxylation?. <i>EMBO Reports</i> , 2005, 6, 315-320.	4.5	186
70	RNA-interference-directed chromatin modification coupled to RNA polymerase II transcription. <i>Nature</i> , 2005, 435, 1275-1279.	27.8	69
71	RNA silencing and genome regulation. <i>Trends in Cell Biology</i> , 2005, 15, 251-258.	7.9	229
72	Centromeric chromatin makes its mark. <i>Trends in Biochemical Sciences</i> , 2005, 30, 172-175.	7.5	20

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73	RNA-directed transcriptional gene silencing in mammals. Trends in Genetics, 2005, 21, 370-373.	6.7	91
74	RNA Pol II subunit Rpb7 promotes centromeric transcription and RNAi-directed chromatin silencing. Genes and Development, 2005, 19, 2301-2306.	5.9	199
75	The role of heterochromatin in centromere function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 569-579.	4.0	134
76	The Schizosaccharomyces pombe HIRA-Like Protein Hip1 Is Required for the Periodic Expression of Histone Genes and Contributes to the Function of Complex Centromeres. Molecular and Cellular Biology, 2004, 24, 4309-4320.	2.3	71
77	Loss of Dicer fowls up centromeres. Nature Cell Biology, 2004, 6, 696-697.	10.3	13
78	Guardian spirit blesses meiosis. Nature, 2004, 427, 495-497.	27.8	1
79	Kinetochores and heterochromatin domains of the fission yeast centromere. Chromosome Research, 2004, 12, 521-534.	2.2	122
80	Methylation of Histone H4 Lysine 20 Controls Recruitment of Crb2 to Sites of DNA Damage. Cell, 2004, 119, 603-614.	28.9	512
81	Those interfering little RNAs! Silencing and eliminating chromatin. Current Opinion in Genetics and Development, 2004, 14, 174-180.	3.3	69
82	Analysis of chromatin in fission yeast. Methods, 2004, 33, 252-259.	3.8	53
83	Centromere and Kinetochores Structure and Function. , 2004, , 149-169.		4
84	RNA interference is required for normal centromere function in fission yeast. Chromosome Research, 2003, 11, 137-146.	2.2	284
85	A New Role for the Transcriptional Corepressor SIN3; Regulation of Centromeres. Current Biology, 2003, 13, 68-72.	3.9	65
86	Chromosome Segregation: Clamping down on Deviant Orientations. Current Biology, 2003, 13, R385-R387.	3.9	9
87	Centromere Silencing and Function in Fission Yeast Is Governed by the Amino Terminus of Histone H3. Current Biology, 2003, 13, 1748-1757.	3.9	123
88	Hsk1 is required for heterochromatin-mediated cohesion at centromeres. Nature Cell Biology, 2003, 5, 1111-1116.	10.3	106
89	Stretching it: putting the CEN(P-A) in centromere. Current Opinion in Genetics and Development, 2003, 13, 191-198.	3.3	90
90	Hairpin RNAs and Retrotransposon LTRs Effect RNAi and Chromatin-Based Gene Silencing. Science, 2003, 301, 1069-1074.	12.6	299

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91	Sim4. Journal of Cell Biology, 2003, 161, 295-307.	5.2	107
92	Schizosaccharomyces pombe Git7p, a Member of the Saccharomyces cerevisiae Sgt1p Family, Is Required for Glucose and Cyclic AMP Signaling, Cell Wall Integrity, and Septation. Eukaryotic Cell, 2002, 1, 558-567.	3.4	35
93	Fission yeast CENP-B homologs nucleate centromeric heterochromatin by promoting heterochromatin-specific histone tail modifications. Genes and Development, 2002, 16, 1766-1778.	5.9	97
94	MOLECULAR BIOLOGY: RNAi and Heterochromatin--a Hushed-Up Affair. Science, 2002, 297, 1818-1819.	12.6	67
95	The Mal2p Protein Is an Essential Component of the Fission Yeast Centromere. Molecular and Cellular Biology, 2002, 22, 7168-7183.	2.3	34
96	cis-Acting DNA from Fission Yeast Centromeres Mediates Histone H3 Methylation and Recruitment of Silencing Factors and Cohesin to an Ectopic Site. Current Biology, 2002, 12, 1652-1660.	3.9	165
97	Centromeres become unstuck without heterochromatin. Trends in Cell Biology, 2002, 12, 419-424.	7.9	67
98	Selective recognition of methylated lysine 9 on histone H3 by the HP1 chromo domain. Nature, 2001, 410, 120-124.	27.8	2,535
99	Centromeres. Current Biology, 2001, 11, R454.	3.9	9
100	The Domain Structure of Centromeres Is Conserved from Fission Yeast to Humans. Molecular Biology of the Cell, 2001, 12, 2767-2775.	2.1	83
101	Requirement of Heterochromatin for Cohesion at Centromeres. Science, 2001, 294, 2539-2542.	12.6	583
102	Centromeres: getting a grip of chromosomes. Current Opinion in Cell Biology, 2000, 12, 308-319.	5.4	106
103	Dimerisation of a chromo shadow domain and distinctions from the chromodomain as revealed by structural analysis. Current Biology, 2000, 10, 517-525.	3.9	228
104	Great chieftain oâ€™™ the fungal-race!. Trends in Genetics, 2000, 16, 113-114.	6.7	1
105	Pausing for Thought on the Boundaries of Imprinting. Cell, 2000, 102, 705-708.	28.9	25
106	The Schizosaccharomyces pombe hst4 ⁺ Gene Is a SIR2 Homologue with Silencing and Centromeric Functions. Molecular Biology of the Cell, 1999, 10, 3171-3186.	2.1	68
107	A New Member of the Sin3 Family of Corepressors Is Essential for Cell Viability and Required for Retroelement Propagation in Fission Yeast. Molecular and Cellular Biology, 1999, 19, 2351-2365.	2.3	31
108	Defects in Components of the Proteasome Enhance Transcriptional Silencing at Fission Yeast Centromeres and Impair Chromosome Segregation. Molecular and Cellular Biology, 1999, 19, 5155-5165.	2.3	25

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109	Fission Yeast Mutants That Alleviate Transcriptional Silencing in Centromeric Flanking Repeats and Disrupt Chromosome Segregation. <i>Genetics</i> , 1999, 153, 1153-1169.	2.9	92
110	Defective meiosis in telomere-silencing mutants of <i>Schizosaccharomyces pombe</i> . <i>Nature</i> , 1998, 392, 825-828.	27.8	240
111	The pad1 + Gene Encodes a Subunit of the 26 S Proteasome in Fission Yeast. <i>Journal of Biological Chemistry</i> , 1998, 273, 23938-23945.	3.4	44
112	Centromeres, checkpoints and chromatid cohesion. <i>Current Opinion in Genetics and Development</i> , 1997, 7, 264-273.	3.3	72
113	Transient Inhibition of Histone Deacetylation Alters the Structural and Functional Imprint at Fission Yeast Centromeres. <i>Cell</i> , 1997, 91, 1021-1032.	28.9	368
114	Regulation of telomere length and function by a Myb-domain protein in fission yeast. <i>Nature</i> , 1997, 385, 744-747.	27.8	484
115	The case for epigenetic effects on centromere identity and function. <i>Trends in Genetics</i> , 1997, 13, 489-496.	6.7	454
116	Elements of chromosome structure and function in fission yeast. <i>Seminars in Cell Biology</i> , 1995, 6, 55-64.	3.4	27
117	Position effect variegation at fission yeast centromeres. <i>Cell</i> , 1994, 76, 157-169.	28.9	330
118	[51] Manipulation of large minichromosomes in <i>Schizosaccharomyces pombe</i> with liposome-enhanced transformation. <i>Methods in Enzymology</i> , 1992, 216, 614-631.	1.0	5
119	Telomere reduction in human colorectal carcinoma and with ageing. <i>Nature</i> , 1990, 346, 866-868.	27.8	1,612
120	Human telomeres contain at least three types of Gâ€“rich repeat distributed non-randomly. <i>Nucleic Acids Research</i> , 1989, 17, 4611-4627.	14.5	366
121	Human telomeres: fusion and interstitial sites. <i>Trends in Genetics</i> , 1989, 5, 326-331.	6.7	250
122	Cloning of human telomeres by complementation in yeast. <i>Nature</i> , 1989, 338, 771-774.	27.8	170
123	Telomeric repeat from <i>T. thermophila</i> cross hybridizes with human telomeres. <i>Nature</i> , 1988, 332, 656-659.	27.8	200
124	A fission yeast chromosome can replicate autonomously in mouse cells. <i>Cell</i> , 1987, 50, 391-403.	28.9	67
125	Duplication of a viral enhancer sequence improves the stability of a vector based on BPV-1 DNA. <i>Virus Research</i> , 1986, 6, 141-154.	2.2	3
126	Structure of bovine papillomavirus type 1 DNA in a transformed mouse cell line. <i>Journal of Molecular Biology</i> , 1986, 188, 1-13.	4.2	29

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127	Comparison of methods for introducing vectors based on bovine papillomavirus-1 DNA into mammalian cells. Somatic Cell and Molecular Genetics, 1986, 12, 357-366.	0.7	12