

# Bradley Cairns

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

10,021  
citations

87723

38  
h-index

128067

60  
g-index

81  
all docs

81  
docs citations

81  
times ranked

10730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of developmental gene silencing by ordered polycomb complex recruitment in early zebrafish embryos. <i>ELife</i> , 2022, 11, .	2.8	13
2	GFI1 Cooperates with IKZF1/IKAROS to Activate Gene Expression in T-cell Acute Lymphoblastic Leukemia. <i>Molecular Cancer Research</i> , 2022, 20, 501-514.	1.5	4
3	Single-cell analysis of human testis aging and correlation with elevated body mass index. <i>Developmental Cell</i> , 2022, 57, 1160-1176.e5.	3.1	47
4	Germ cell differentiation requires Tdrd7-dependent chromatin and transcriptome reprogramming marked by germ plasm relocalization. <i>Developmental Cell</i> , 2021, 56, 641-656.e5.	3.1	18
5	Single-cell analysis of the developing human testis reveals somatic niche cell specification and fetal germline stem cell establishment. <i>Cell Stem Cell</i> , 2021, 28, 764-778.e4.	5.2	104
6	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , 2021, 23, 424-436.	4.6	115
7	CTCF looping is established during gastrulation in medaka embryos. <i>Genome Research</i> , 2021, 31, 968-980.	2.4	37
8	Chromatin architecture transitions from zebrafish sperm through early embryogenesis. <i>Genome Research</i> , 2021, 31, 981-994.	2.4	48
9	A Role for SMARCB1 in Synovial Sarcomagenesis Reveals That SS18 induces Canonical BAF Destruction. <i>Cancer Discovery</i> , 2021, 11, 2620-2637.	7.7	26
10	p53 convergently activates Dux/DUX4 in embryonic stem cells and in facioscapulohumeral muscular dystrophy cell models. <i>Nature Genetics</i> , 2021, 53, 1207-1220.	9.4	59
11	Dissecting mammalian spermatogenesis using spatial transcriptomics. <i>Cell Reports</i> , 2021, 37, 109915.	2.9	54
12	The Dynamic Transcriptional Cell Atlas of Testis Development during Human Puberty. <i>Cell Stem Cell</i> , 2020, 26, 262-276.e4.	5.2	155
13	Cancer-Associated Gain-of-Function Mutations Activate a SWI/SNF-Family Regulatory Hub. <i>Molecular Cell</i> , 2020, 80, 712-725.e5.	4.5	20
14	Cisplatin and carboplatin result in similar gonadotoxicity in immature human testis with implications for fertility preservation in childhood cancer. <i>BMC Medicine</i> , 2020, 18, 374.	2.3	34
15	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. <i>PLoS Genetics</i> , 2020, 16, e1008756.	1.5	11
16	Specialization of the chromatin remodeler RSC to mobilize partially-unwrapped nucleosomes. <i>ELife</i> , 2020, 9, .	2.8	18
17	Developmentally Programmed Tankyrase Activity Upregulates $\beta$ -Catenin and Licenses Progression of Embryonic Genome Activation. <i>Developmental Cell</i> , 2020, 53, 545-560.e7.	3.1	12
18	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0

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19	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0
20	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0
21	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0
22	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0
23	NRF2 loss recapitulates heritable impacts of paternal cigarette smoke exposure. , 2020, 16, e1008756.		0
24	Structure of the RSC complex bound to the nucleosome. <i>Science</i> , 2019, 366, 838-843.	6.0	92
25	Genome-wide reconstitution of chromatin transactions reveals that RSC preferentially disrupts H2AZ-containing nucleosomes. <i>Genome Research</i> , 2019, 29, 988-998.	2.4	21
26	Transcriptome-wide profiling of multiple RNA modifications simultaneously at single-base resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6784-6789.	3.3	162
27	Maintenance of spatial gene expression by Polycomb-mediated repression after formation of a vertebrate body plan. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	13
28	Placeholder Nucleosomes Underlie Germline-to-Embryo DNA Methylation Reprogramming. <i>Cell</i> , 2018, 172, 993-1006.e13.	13.5	137
29	The adult human testis transcriptional cell atlas. <i>Cell Research</i> , 2018, 28, 1141-1157.	5.7	426
30	Conserved roles of mouse DUX and human DUX4 in activating cleavage-stage genes and MERVL/HERVL retrotransposons. <i>Nature Genetics</i> , 2017, 49, 925-934.	9.4	545
31	Mechanisms of action and regulation of ATP-dependent chromatin-remodelling complexes. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 407-422.	16.1	828
32	Chromatin and Single-Cell RNA-Seq Profiling Reveal Dynamic Signaling and Metabolic Transitions during Human Spermatogonial Stem Cell Development. <i>Cell Stem Cell</i> , 2017, 21, 533-546.e6.	5.2	200
33	Tet proteins enhance the developmental hourglass. <i>Nature Genetics</i> , 2016, 48, 345-347.	9.4	3
34	Regulation of DNA Translocation Efficiency within the Chromatin Remodeler RSC/Sth1 Potentiates Nucleosome Sliding and Ejection. <i>Molecular Cell</i> , 2016, 62, 453-461.	4.5	81
35	Counteracting H3K4 methylation modulators Set1 and Jhd2 co-regulate chromatin dynamics and gene transcription. <i>Nature Communications</i> , 2016, 7, 11949.	5.8	50
36	Experimental Approaches for Target Profiling of RNA Cytosine Methyltransferases. <i>Methods in Enzymology</i> , 2015, 560, 273-296.	0.4	11

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37	Selective repression of SINE transcription by RNA polymerase III. <i>Mobile Genetic Elements</i> , 2015, 5, 86-91.	1.8	7
38	Transcription and imprinting dynamics in developing postnatal male germline stem cells. <i>Genes and Development</i> , 2015, 29, 2312-2324.	2.7	61
39	SINE transcription by RNA polymerase III is suppressed by histone methylation but not by DNA methylation. <i>Nature Communications</i> , 2015, 6, 6569.	5.8	80
40	Aberrant sperm DNA methylation predicts male fertility status and embryo quality. <i>Fertility and Sterility</i> , 2015, 104, 1388-1397.e5.	0.5	153
41	HDAC1,2 inhibition impairs EZH2- and BBAP- mediated DNA repair to overcome chemoresistance in EZH2 gain-of-function mutant diffuse large B-cell lymphoma. <i>Oncotarget</i> , 2015, 6, 4863-4887.	0.8	35
42	The chromatin remodelers RSC and ISW1 display functional and chromatin-based promoter antagonism. <i>ELife</i> , 2015, 4, e06073.	2.8	68
43	RNA Polymerase III Transcriptomes in Human Embryonic Stem Cells and Induced Pluripotent Stem Cells, and Relationships with Pluripotency Transcription Factors. <i>PLoS ONE</i> , 2014, 9, e85648.	1.1	31
44	Age-Associated Sperm DNA Methylation Alterations: Possible Implications in Offspring Disease Susceptibility. <i>PLoS Genetics</i> , 2014, 10, e1004458.	1.5	238
45	Transcriptome-wide target profiling of RNA cytosine methyltransferases using the mechanism-based enrichment procedure Aza-IP. <i>Nature Protocols</i> , 2014, 9, 337-361.	5.5	49
46	Chromatin and Transcription Transitions of Mammalian Adult Germline Stem Cells and Spermatogenesis. <i>Cell Stem Cell</i> , 2014, 15, 239-253.	5.2	280
47	Reprogramming the Maternal Zebrafish Genome after Fertilization to Match the Paternal Methylation Pattern. <i>Cell</i> , 2013, 153, 759-772.	13.5	354
48	Dnmt3 and G9a Cooperate for Tissue-specific Development in Zebrafish. <i>Journal of Biological Chemistry</i> , 2010, 285, 4110-4121.	1.6	114
49	Structural Studies of ATP-dependent chromatin remodeling. <i>FASEB Journal</i> , 2010, 24, 832.1.	0.2	0
50	The logic of chromatin architecture and remodelling at promoters. <i>Nature</i> , 2009, 461, 193-198.	13.7	399
51	The Biology of Chromatin Remodeling Complexes. <i>Annual Review of Biochemistry</i> , 2009, 78, 273-304.	5.0	1,891
52	The HSA domain binds nuclear actin-related proteins to regulate chromatin-remodeling ATPases. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 469-476.	3.6	177
53	RSC regulates nucleosome positioning at Pol II genes and density at Pol III genes. <i>EMBO Journal</i> , 2008, 27, 100-110.	3.5	175
54	Chromatin remodeling: insights and intrigue from single-molecule studies. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 989-996.	3.6	223

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55	Structure and function of the SWIRM domain, a conserved protein module found in chromatin regulatory complexes. <i>FASEB Journal</i> , 2006, 20, A34.	0.2	0
56	Chromatin remodeling through directional DNA translocation from an internal nucleosomal site. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 747-755.	3.6	195
57	Chromatin remodeling complexes: strength in diversity, precision through specialization. <i>Current Opinion in Genetics and Development</i> , 2005, 15, 185-190.	1.5	153
58	Tandem bromodomains in the chromatin remodeler RSC recognize acetylated histone H3 Lys14. <i>EMBO Journal</i> , 2004, 23, 1348-1359.	3.5	213
59	Around the World of DNA Damage INO80 Days. <i>Cell</i> , 2004, 119, 733-735.	13.5	16
60	The nuclear actin-related proteins Arp7 and Arp9: a dimeric module that cooperates with architectural proteins for chromatin remodeling. <i>EMBO Journal</i> , 2003, 22, 3175-3187.	3.5	104
61	DNA Translocation and Nucleosome Remodeling Assays by the RSC Chromatin Remodeling Complex. <i>Methods in Enzymology</i> , 2003, 377, 322-343.	0.4	46
62	Chromatin remodeling by RSC involves ATP-dependent DNA translocation. <i>Genes and Development</i> , 2002, 16, 2120-2134.	2.7	222
63	The Genome-Wide Localization of Rsc9, a Component of the RSC Chromatin-Remodeling Complex, Changes in Response to Stress. <i>Molecular Cell</i> , 2002, 9, 563-573.	4.5	135
64	A Rsc3/Rsc30 Zinc Cluster Dimer Reveals Novel Roles for the Chromatin Remodeler RSC in Gene Expression and Cell Cycle Control. <i>Molecular Cell</i> , 2001, 7, 741-751.	4.5	174
65	Two Functionally Distinct Forms of the RSC Nucleosome-Remodeling Complex, Containing Essential AT Hook, BAH, and Bromodomains. <i>Molecular Cell</i> , 1999, 4, 715-723.	4.5	205
66	Two Actin-Related Proteins Are Shared Functional Components of the Chromatin-Remodeling Complexes RSC and SWI/SNF. <i>Molecular Cell</i> , 1998, 2, 639-651.	4.5	200
67	RSC, an Essential, Abundant Chromatin-Remodeling Complex. <i>Cell</i> , 1996, 87, 1249-1260.	13.5	654
68	When spermatogenesis meets human aging and elevated body mass. , 0, , .		2