Brian Hendrich

List of Publications by Year in Descending Order

50 papers	8,495 citations	32 h-index	65 g-index
65 ext. papers	9,355 ext. citations	14 avg, IF	5.71 L-index

#	Paper	IF	Citations
50	Differential regulation of lineage commitment in human and mouse primed pluripotent stem cells by the nucleosome remodelling and deacetylation complex. *Stem Cell Research*, **2020**, 46, 101867	1.6	3
49	The Nucleosome Remodelling and Deacetylation complex suppresses transcriptional noise during lineage commitment. *EMBO Journal*, **2019**, 38,	13	16
48	Combining fluorescence imaging with Hi-C to study 3D genome architecture of the same single cell. *Nature Protocols*, **2018**, 13, 1034-1061	18.8	9
47	FRET-enhanced photostability allows improved single-molecule tracking of proteins and protein complexes in live mammalian cells. *Nature Communications*, **2018**, 9, 2520	17.4	23
46	Chromatin Remodelling Proteins and Cell Fate Decisions in Mammalian Preimplantation Development. *Advances in Anatomy, Embryology and Cell Biology*, **2018**, 229, 3-14	1.2	4
45	PWWP2A binds distinct chromatin moieties and interacts with an MTA1-specific core NuRD complex. *Nature Communications*, **2018**, 9, 4300	17.4	22
44	The Nucleosome Remodeling and Deacetylation Complex Modulates Chromatin Structure at Sites of Active Transcription to Fine-Tune Gene Expression. *Molecular Cell*, **2018**, 71, 56-72.e4	17.6	70
43	3D structures of individual mammalian genomes studied by single-cell Hi-C. *Nature*, **2017**, 544, 59-64	50.4	485
42	Mbd3/NuRD controls lymphoid cell fate and inhibits tumorigenesis by repressing a B cell transcriptional program. *Journal of Experimental Medicine*, **2017**, 214, 3085-3104	16.6	12
41	A high-resolution map of transcriptional repression. *ELife*, **2017**, 6,	8.9	31
40	Sall4 controls differentiation of pluripotent cells independently of the Nucleosome Remodelling and Deacetylation (NuRD) complex. *Development (Cambridge)*, **2016**, 143, 3074-84	6.6	40
39	Constraint of gene expression by the chromatin remodelling protein CHD4 facilitates lineage specification. *Development (Cambridge)*, **2015**, 142, 2586-97	6.6	33
38	The methyl binding domain 3/nucleosome remodelling and deacetylase complex regulates neural cell fate determination and terminal differentiation in the cerebral cortex. *Neural Development*, **2015**, 10, 13	3.9	32
37	The function of chromatin modifiers in lineage commitment and cell fate specification. *FEBS Journal*, **2015**, 282, 1692-702	5.7	27
36	MBD3/NuRD facilitates induction of pluripotency in a context-dependent manner. *Cell Stem Cell*, **2014**, 15, 102-10	18	125
35	Transcriptional repressors: multifaceted regulators of gene expression. *Development (Cambridge)*, **2013**, 140, 505-12	6.6	91
34	CHD4 in the DNA-damage response and cell cycle progression: not so NuRDy now. *Biochemical Society Transactions*, **2013**, 41, 777-82	5.1	67

33	Sin3a is essential for the genome integrity and viability of pluripotent cells. *Developmental Biology*, **2012**, 363, 62-73	3.1	40
32	NuRD suppresses pluripotency gene expression to promote transcriptional heterogeneity and lineage commitment. *Cell Stem Cell*, **2012**, 10, 583-94	18	168
31	NuRD-mediated deacetylation of H3K27 facilitates recruitment of Polycomb Repressive Complex 2 to direct gene repression. *EMBO Journal*, **2012**, 31, 593-605	13	185
30	NuRD-dependent DNA methylation prevents ES cells from accessing a trophectoderm fate. *Biology Open*, **2012**, 1, 341-52	2.2	18
29	MeCP2 dependent heterochromatin reorganization during neural differentiation of a novel Mecp2-deficient embryonic stem cell reporter line. *PLoS ONE*, **2012**, 7, e47848	3.7	28
28	c-Jun N-terminal phosphorylation antagonises recruitment of the Mbd3/NuRD repressor complex. *Nature*, **2011**, 469, 231-5	50.4	97
27	The opposing transcriptional functions of Sin3a and c-Myc are required to maintain tissue homeostasis. *Nature Cell Biology*, **2011**, 13, 1395-405	23.4	49
26	The methyl-CpG binding proteins Mecp2, Mbd2 and Kaiso are dispensable for mouse embryogenesis, but play a redundant function in neural differentiation. *PLoS ONE*, **2009**, 4, e4315	3.7	48
25	Keeping things quiet: roles of NuRD and Sin3 co-repressor complexes during mammalian development. *International Journal of Biochemistry and Cell Biology*, **2009**, 41, 108-16	5.6	100
24	Mbd2 contributes to DNA methylation-directed repression of the Xist gene. *Molecular and Cellular Biology*, **2007**, 27, 3750-7	4.8	54
23	Mbd3, a component of the NuRD co-repressor complex, is required for development of pluripotent cells. *Development (Cambridge)*, **2007**, 134, 1123-32	6.6	132
22	Kaiso-deficient mice show resistance to intestinal cancer. *Molecular and Cellular Biology*, **2006**, 26, 199-208	4.8	136
21	The NuRD component Mbd3 is required for pluripotency of embryonic stem cells. *Nature Cell Biology*, **2006**, 8, 285-92	23.4	299
20	MeCP2 in neurons: closing in on the causes of Rett syndrome. *Human Molecular Genetics*, **2005**, 14 Spec No 1, R19-26	5.6	32
19	The methyl-CpG binding domain and the evolving role of DNA methylation in animals. *Trends in Genetics*, **2003**, 19, 269-77	8.5	323
18	Deficiency of Mbd2 suppresses intestinal tumorigenesis. *Nature Genetics*, **2003**, 34, 145-7	36.3	150
17	Methyl-CpG binding proteins and cancer: are MeCpGs more important than MBDs?. *Oncogene*, **2002** , 21, 5394-9	9.2	40
16	Enhanced CpG mutability and tumorigenesis in MBD4-deficient mice. *Science*, **2002**, 297, 403-5	33.3	266

15	Dynamic reprogramming of DNA methylation in the early mouse embryo. *Developmental Biology*, **2002**, 241, 172-82	3.1	984
14	A mouse Mecp2-null mutation causes neurological symptoms that mimic Rett syndrome. *Nature Genetics*, **2001**, 27, 322-6	36.3	1223
13	The p120 catenin partner Kaiso is a DNA methylation-dependent transcriptional repressor. *Genes and Development*, **2001**, 15, 1613-8	12.6	359
12	Methylation moves into medicine. *Current Biology*, **2000**, 10, R60-3	6.3	18
11	MBD2 is a transcriptional repressor belonging to the MeCP1 histone deacetylase complex. *Nature Genetics*, **1999**, 23, 58-61	36.3	692
10	The thymine glycosylase MBD4 can bind to the product of deamination at methylated CpG sites. *Nature*, **1999**, 401, 301-4	50.4	539
9	Vestiges of a DNA methylation system in Drosophila melanogaster?. *Nature Genetics*, **1999**, 23, 389-90	36.3	111
8	Somatic frameshift mutations in the MBD4 gene of sporadic colon cancers with mismatch repair deficiency. *Oncogene*, **1999**, 18, 8044-7	9.2	121
7	Genomic structure and chromosomal mapping of the murine and human Mbd1, Mbd2, Mbd3, and Mbd4 genes. *Mammalian Genome*, **1999**, 10, 906-12	3.2	96
6	Identification and characterization of a family of mammalian methyl-CpG binding proteins. *Molecular and Cellular Biology*, **1998**, 18, 6538-47	4.8	1079
5	Identification and characterization of a family of mammalian methyl CpG-binding proteins. *Genetical Research*, **1998**, 72, 59-72	1.1	7
4	The Nucleosome Remodelling and Deacetylation complex restricts Mediator access to enhancers to control transcription		1
3	Transcriptional control by Sall4 in blastocysts facilitates lineage commitment of inner cell mass cells		3
2	Live-cell 3D single-molecule tracking reveals how NuRD modulates enhancer dynamics		4
1	Subunit redundancy within the NuRD complex ensures fidelity of ES cell lineage commitment		1