

Adrian Peter Bird

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

38,986
citations

66
h-index

148
g-index

148
ext. papers

42,824
ext. citations

17.8
avg, IF

7.88
L-index

#	Paper	IF	Citations
131	Genetic therapies for neurological disorders. <i>Human Genetics</i> , 2021 , 1	6.3	1
130	Neuronal non-CG methylation is an essential target for MeCP2 function. <i>Molecular Cell</i> , 2021 , 81, 1260-1275.e12	17.6	5
129	SALL4 controls cell fate in response to DNA base composition. <i>Molecular Cell</i> , 2021 , 81, 845-858.e8	17.6	5
128	Absence of MeCP2 binding to non-methylated GT-rich sequences in vivo. <i>Nucleic Acids Research</i> , 2020 , 48, 3542-3552	20.1	7
127	DNA Methylation: Mega-Year Inheritance with the Help of Darwin. <i>Current Biology</i> , 2020 , 30, R319-R321	6.3	3
126	The Selfishness of Law-Abiding Genes. <i>Trends in Genetics</i> , 2020 , 36, 8-13	8.5	10
125	Quantitative analysis questions the role of MeCP2 as a global regulator of alternative splicing. <i>PLoS Genetics</i> , 2020 , 16, e1009087	6	5
124	Quantitative analysis questions the role of MeCP2 as a global regulator of alternative splicing 2020 , 16, e1009087		
123	Quantitative analysis questions the role of MeCP2 as a global regulator of alternative splicing 2020 , 16, e1009087		
122	Quantitative analysis questions the role of MeCP2 as a global regulator of alternative splicing 2020 , 16, e1009087		
121	Quantitative analysis questions the role of MeCP2 as a global regulator of alternative splicing 2020 , 16, e1009087		
120	R-Loops Enhance Polycomb Repression at a Subset of Developmental Regulator Genes. <i>Molecular Cell</i> , 2019 , 73, 930-945.e4	17.6	41
119	An Orphan CpG Island Drives Expression of a miRNA Precursor with an Important Role in Mouse Development. <i>Epigenomes</i> , 2019 , 3, 7	2.3	1
118	The Molecular Basis of MeCP2 Function in the Brain. <i>Journal of Molecular Biology</i> , 2019 ,	6.5	40
117	CpG Islands: A Historical Perspective. <i>Methods in Molecular Biology</i> , 2018 , 1766, 3-13	1.4	7
116	A mutation-led search for novel functional domains in MeCP2. <i>Human Molecular Genetics</i> , 2018 , 27, 2531-2545	12.6	14
115	Toxicity of overexpressed MeCP2 is independent of HDAC3 activity. <i>Genes and Development</i> , 2018 , 32, 1514-1524	12.6	16

114	Affinity for DNA Contributes to NLS Independent Nuclear Localization of MeCP2. <i>Cell Reports</i> , 2018 , 24, 2213-2220	10.6	14
113	Radically truncated MeCP2 rescues Rett syndrome-like neurological defects. <i>Nature</i> , 2017 , 550, 398-401	50.4	84
112	MeCP2 recognizes cytosine methylated tri-nucleotide and di-nucleotide sequences to tune transcription in the mammalian brain. <i>PLoS Genetics</i> , 2017 , 13, e1006793	6	76
111	Genetic determinants of the epigenome in development and cancer. <i>Swiss Medical Weekly</i> , 2017 , 147, w14523	3.1	6
110	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. <i>Cell</i> , 2016 , 167, 1145-1149	56.2	232
109	The Role of Epigenetic Mechanisms in the Regulation of Gene Expression in the Nervous System. <i>Journal of Neuroscience</i> , 2016 , 36, 11427-11434	6.6	88
108	Rett Syndrome: Crossing the Threshold to Clinical Translation. <i>Trends in Neurosciences</i> , 2016 , 39, 100-113	13.3	104
107	Do short, frequent DNA sequence motifs mould the epigenome?. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 257-62	48.7	22
106	The molecular basis of variable phenotypic severity among common missense mutations causing Rett syndrome. <i>Human Molecular Genetics</i> , 2016 , 25, 558-70	5.6	54
105	Exclusive expression of MeCP2 in the nervous system distinguishes between brain and peripheral Rett syndrome-like phenotypes. <i>Human Molecular Genetics</i> , 2016 , 25, 4389-4404	5.6	38
104	Sequence-specific DNA binding by AT-hook motifs in MeCP2. <i>FEBS Letters</i> , 2016 , 590, 2927-33	3.8	21
103	Rett syndrome: a complex disorder with simple roots. <i>Nature Reviews Genetics</i> , 2015 , 16, 261-75	30.1	216
102	A dominant role for the methyl-CpG-binding protein Mbd2 in controlling Th2 induction by dendritic cells. <i>Nature Communications</i> , 2015 , 6, 6920	17.4	53
101	Max Birnstiel 1933-2014: Gene pioneer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 302-3	11.5	2
100	A unique DNA methylation signature defines a population of IFN- γ /IL-4 double-positive T cells during helminth infection. <i>European Journal of Immunology</i> , 2014 , 44, 1835-41	6.1	23
99	DNA methylation reader MECP2: cell type- and differentiation stage-specific protein distribution. <i>Epigenetics and Chromatin</i> , 2014 , 7, 17	5.8	38
98	Synthetic CpG islands reveal DNA sequence determinants of chromatin structure. <i>ELife</i> , 2014 , 3, e03397	8.9	76
97	Systemic delivery of MeCP2 rescues behavioral and cellular deficits in female mouse models of Rett syndrome. <i>Journal of Neuroscience</i> , 2013 , 33, 13612-20	6.6	155

96	Genome biology: not drowning but waving. <i>Cell</i> , 2013 , 154, 951-952	56.2	9
95	Rett syndrome mutations abolish the interaction of MeCP2 with the NCoR/SMRT co-repressor. <i>Nature Neuroscience</i> , 2013 , 16, 898-902	25.5	252
94	Giuseppe Giordan and Enzo Pace, eds, Mapping Religion and Spirituality in a Postsecular World, Religion and the Social Order 22 (Leiden and Boston: Brill, 2008), pp. viii + 203, £81.00, ISBN 978 90 04 23022 4 (hbk).. <i>International Journal of Public Theology</i> , 2013 , 7, 485-486	0.2	
93	Disease modeling using embryonic stem cells: MeCP2 regulates nuclear size and RNA synthesis in neurons. <i>Stem Cells</i> , 2012 , 30, 2128-39	5.8	63
92	Cfp1 integrates both CpG content and gene activity for accurate H3K4me3 deposition in embryonic stem cells. <i>Genes and Development</i> , 2012 , 26, 1714-28	12.6	184
91	BLUEPRINT to decode the epigenetic signature written in blood. <i>Nature Biotechnology</i> , 2012 , 30, 224-6	44.5	261
90	Marianne Rankin, An Introduction to Religious and Spiritual Experience (London and New York: Continuum International Publishing Group, 2008), pp. 286, £24.99, ISBN 978-0-8264-9821-2 (pbk).. <i>International Journal of Public Theology</i> , 2012 , 6, 127	0.2	
89	Postnatal inactivation reveals enhanced requirement for MeCP2 at distinct age windows. <i>Human Molecular Genetics</i> , 2012 , 21, 3806-14	5.6	75
88	Morphological and functional reversal of phenotypes in a mouse model of Rett syndrome. <i>Brain</i> , 2012 , 135, 2699-710	11.2	109
87	The role of MeCP2 in the brain. <i>Annual Review of Cell and Developmental Biology</i> , 2011 , 27, 631-52	12.6	342
86	The dinucleotide CG as a genomic signalling module. <i>Journal of Molecular Biology</i> , 2011 , 409, 47-53	6.5	44
85	Embryonic lethal phenotype reveals a function of TDG in maintaining epigenetic stability. <i>Nature</i> , 2011 , 470, 419-23	50.4	282
84	CpG islands and the regulation of transcription. <i>Genes and Development</i> , 2011 , 25, 1010-22	12.6	2006
83	Cell type-specific DNA methylation at intragenic CpG islands in the immune system. <i>Genome Research</i> , 2011 , 21, 1074-86	9.7	215
82	Francesca Aran Murphy and Christopher Asprey, eds, Ecumenism Today: The Universal Church in the 21st Century (Aldershot: Ashgate Publishing House, 2008), pp. viii + 220, £50.00, ISBN 978-0-7546-5961-7 (hbk).. <i>International Journal of Public Theology</i> , 2011 , 5, 499	0.2	
81	Christianity as a World Religion. <i>International Journal of Public Theology</i> , 2011 , 5, 260-261	0.2	
80	CpG islands influence chromatin structure via the CpG-binding protein Cfp1. <i>Nature</i> , 2010 , 464, 1082-6	50.4	507
79	Targeting of de novo DNA methylation throughout the Oct-4 gene regulatory region in differentiating embryonic stem cells. <i>PLoS ONE</i> , 2010 , 5, e9937	3.7	56

78	Reversibility of functional deficits in experimental models of Rett syndrome. <i>Biochemical Society Transactions</i> , 2010 , 38, 498-506	5.1	52
77	God and Human Dignity. <i>International Journal of Public Theology</i> , 2009 , 3, 503-504	0.2	
76	A temporal threshold for formaldehyde crosslinking and fixation. <i>PLoS ONE</i> , 2009 , 4, e4636	3.7	88
75	DNA methylation landscapes: provocative insights from epigenomics. <i>Nature Reviews Genetics</i> , 2008 , 9, 465-76	30.1	2183
74	A novel CpG island set identifies tissue-specific methylation at developmental gene loci. <i>PLoS Biology</i> , 2008 , 6, e22	9.7	476
73	The methyl-CpG-binding protein MeCP2 and neurological disease. <i>Biochemical Society Transactions</i> , 2008 , 36, 575-83	5.1	55
72	MBD2-mediated transcriptional repression of the p14ARF tumor suppressor gene in human colon cancer cells. <i>Pathobiology</i> , 2008 , 75, 281-7	3.6	22
71	Michael Amaladoss. 2006. The Asian Jesus. New York: Orbis Books, pp. 180, Pb, \$11.99.. <i>Studies in World Christianity</i> , 2008 , 14, 182-182	0.1	
70	CpG methylation is targeted to transcription units in an invertebrate genome. <i>Genome Research</i> , 2007 , 17, 625-31	9.7	169
69	Perceptions of epigenetics. <i>Nature</i> , 2007 , 447, 396-8	50.4	2012
68	MBD2 is required for correct spatial gene expression in the gut. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4049-57	4.8	27
67	Mbd2 contributes to DNA methylation-directed repression of the Xist gene. <i>Molecular and Cellular Biology</i> , 2007 , 27, 3750-7	4.8	54
66	Interaction between chromatin proteins MECP2 and ATRX is disrupted by mutations that cause inherited mental retardation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2709-14	11.5	196
65	Reversal of neurological defects in a mouse model of Rett syndrome. <i>Science</i> , 2007 , 315, 1143-7	33.3	898
64	Gene expression analysis exposes mitochondrial abnormalities in a mouse model of Rett syndrome. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5033-42	4.8	158
63	Kaiso-deficient mice show resistance to intestinal cancer. <i>Molecular and Cellular Biology</i> , 2006 , 26, 199-208	4.8	136
62	MBD2 deficiency does not accelerate p53 mediated lymphomagenesis. <i>Oncogene</i> , 2005 , 24, 2430-2	9.2	17
61	Genomic approaches reveal unexpected genetic divergence within <i>Ciona intestinalis</i> . <i>Journal of Molecular Evolution</i> , 2005 , 61, 627-35	3.1	67

60	Up-regulation of glucocorticoid-regulated genes in a mouse model of Rett syndrome. <i>Human Molecular Genetics</i> , 2005 , 14, 2247-56	5.6	152
59	The effect of interspecific oocytes on demethylation of sperm DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7636-40	11.5	98
58	The major form of MeCP2 has a novel N-terminus generated by alternative splicing. <i>Nucleic Acids Research</i> , 2004 , 32, 1818-23	20.1	189
57	Oxidative damage to methyl-CpG sequences inhibits the binding of the methyl-CpG binding domain (MBD) of methyl-CpG binding protein 2 (MeCP2). <i>Nucleic Acids Research</i> , 2004 , 32, 4100-8	20.1	582
56	MBD4 deficiency does not increase mutation or accelerate tumorigenesis in mice lacking MMR. <i>Oncogene</i> , 2004 , 23, 5693-6	9.2	16
55	Molecular biology. MeCP2 repression goes nonglobal. <i>Science</i> , 2003 , 302, 793-5	33.3	63
54	MBD4 deficiency reduces the apoptotic response to DNA-damaging agents in the murine small intestine. <i>Oncogene</i> , 2003 , 22, 7130-6	9.2	75
53	Epigenetic regulation of gene expression: how the genome integrates intrinsic and environmental signals. <i>Nature Genetics</i> , 2003 , 33 Suppl, 245-54	36.3	4561
52	Deficiency of Mbd2 suppresses intestinal tumorigenesis. <i>Nature Genetics</i> , 2003 , 34, 145-7	36.3	150
51	Fas-associated death domain protein interacts with methyl-CpG binding domain protein 4: a potential link between genome surveillance and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5211-6	11.5	125
50	MeCP2 and other methyl-CpG binding proteins. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2002 , 8, 87-93		56
49	Enhanced CpG mutability and tumorigenesis in MBD4-deficient mice. <i>Science</i> , 2002 , 297, 403-5	33.3	266
48	DNA methylation patterns and epigenetic memory. <i>Genes and Development</i> , 2002 , 16, 6-21	12.6	4960
47	A mouse <i>Mecp2</i> -null mutation causes neurological symptoms that mimic Rett syndrome. <i>Nature Genetics</i> , 2001 , 27, 322-6	36.3	1223
46	Closely related proteins MBD2 and MBD3 play distinctive but interacting roles in mouse development. <i>Genes and Development</i> , 2001 , 15, 710-23	12.6	385
45	dSIR2 and dHDAC6: two novel, inhibitor-resistant deacetylases in <i>Drosophila melanogaster</i> . <i>Experimental Cell Research</i> , 2001 , 265, 90-103	4.2	59
44	The p120 catenin partner Kaiso is a DNA methylation-dependent transcriptional repressor. <i>Genes and Development</i> , 2001 , 15, 1613-8	12.6	359
43	Histone deacetylases: silencers for hire. <i>Trends in Biochemical Sciences</i> , 2000 , 25, 121-6	10.3	371

42	Sequence analysis of transposable elements in the sea squirt, <i>Ciona intestinalis</i> . <i>Molecular Biology and Evolution</i> , 2000 , 17, 1685-94	8.3	40
41	Active repression of methylated genes by the chromosomal protein MBD1. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1394-406	4.8	221
40	MBD2 is a transcriptional repressor belonging to the MeCP1 histone deacetylase complex. <i>Nature Genetics</i> , 1999 , 23, 58-61	36.3	692
39	Absence of genome-wide changes in DNA methylation during development of the zebrafish. <i>Nature Genetics</i> , 1999 , 23, 139-40	36.3	116
38	The thymine glycosylase MBD4 can bind to the product of deamination at methylated CpG sites. <i>Nature</i> , 1999 , 401, 301-4	50.4	539
37	Vestiges of a DNA methylation system in <i>Drosophila melanogaster</i> ?. <i>Nature Genetics</i> , 1999 , 23, 389-90	36.3	111
36	Somatic frameshift mutations in the MBD4 gene of sporadic colon cancers with mismatch repair deficiency. <i>Oncogene</i> , 1999 , 18, 8044-7	9.2	121
35	Genomic structure and chromosomal mapping of the murine and human Mbd1, Mbd2, Mbd3, and Mbd4 genes. <i>Mammalian Genome</i> , 1999 , 10, 906-12	3.2	96
34	CpG islands as genomic footprints of promoters that are associated with replication origins. <i>Current Biology</i> , 1999 , 9, R661-7	6.3	177
33	Nonmethylated transposable elements and methylated genes in a chordate genome. <i>Science</i> , 1999 , 283, 1164-7	33.3	122
32	Densely methylated sequences that are preferentially localized at telomere-proximal regions of human chromosomes. <i>Gene</i> , 1999 , 240, 269-77	3.8	65
31	Transcriptional repression by the methyl-CpG-binding protein MeCP2 involves a histone deacetylase complex. <i>Nature</i> , 1998 , 393, 386-9	50.4	2784
30	Identification and characterization of a family of mammalian methyl-CpG binding proteins. <i>Molecular and Cellular Biology</i> , 1998 , 18, 6538-47	4.8	1079
29	An alternative promoter in the mouse major histocompatibility complex class II I-Abeta gene: implications for the origin of CpG islands. <i>Molecular and Cellular Biology</i> , 1998 , 18, 4433-43	4.8	58
28	Identification and characterization of a family of mammalian methyl CpG-binding proteins. <i>Genetical Research</i> , 1998 , 72, 59-72	1.1	7
27	Gene silencing by methyl-CpG-binding proteins. <i>Novartis Foundation Symposium</i> , 1998 , 214, 6-16; discussion 16-21, 46-50		71
26	MeCP2 is a transcriptional repressor with abundant binding sites in genomic chromatin. <i>Cell</i> , 1997 , 88, 471-81	56.2	1042
25	Human Genome Evolution. Edited by M. Jackson, T. Strachan and G. Dover. BIOS Scientific Publishers, 1996. 306 + x pages. Price £60.00 (\$120). ISBN 1 859960 95 2.. <i>Genetical Research</i> , 1997 , 69, 75-78	1.1	

24	A component of the transcriptional repressor MeCP1 shares a motif with DNA methyltransferase and HRX proteins. <i>Nature Genetics</i> , 1997 , 16, 256-9	36.3	208
23	The methyl-CpG binding protein MeCP2 is essential for embryonic development in the mouse. <i>Nature Genetics</i> , 1996 , 12, 205-8	36.3	197
22	Studies of DNA methylation in animals. <i>Journal of Cell Science</i> , 1995 , 19, 37-9	5.3	40
21	Binding of histone H1 to DNA is indifferent to methylation at CpG sequences. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26473-81	5.4	37
20	The major transitions in evolution. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 385	10.9	1
19	Predicting the total number of human genes. <i>Nature Genetics</i> , 1994 , 8, 114	36.3	29
18	Dissection of the methyl-CpG binding domain from the chromosomal protein MeCP2. <i>Nucleic Acids Research</i> , 1993 , 21, 4886-92	20.1	501
17	Transcriptional repression by methylation of CpG. <i>Journal of Cell Science</i> , 1992 , 16, 9-14	5.3	65
16	The essentials of DNA methylation. <i>Cell</i> , 1992 , 70, 5-8	56.2	888
15	Purification, sequence, and cellular localization of a novel chromosomal protein that binds to methylated DNA. <i>Cell</i> , 1992 , 69, 905-14	56.2	1090
14	Non-methylated islands in fish genomes are GC-poor. <i>Nucleic Acids Research</i> , 1991 , 19, 1469-74	20.1	42
13	DNA methylation and chromatin structure. <i>FEBS Letters</i> , 1991 , 285, 155-9	3.8	138
12	DNA methylation inhibits transcription indirectly via a methyl-CpG binding protein. <i>Cell</i> , 1991 , 64, 1123-36	56.2	644
11	High levels of de novo methylation and altered chromatin structure at CpG islands in cell lines. <i>Cell</i> , 1990 , 62, 503-14	56.2	618
10	A fraction of the mouse genome that is derived from islands of nonmethylated, CpG-rich DNA. <i>Cell</i> , 1985 , 40, 91-9	56.2	568
9	DNaseI-hypersensitive sites at promoter-like sequences in the spacer of <i>Xenopus laevis</i> and <i>Xenopus borealis</i> ribosomal DNA. <i>Nucleic Acids Research</i> , 1983 , 11, 5361-80	20.1	30
8	The origin of the rRNA precursor from <i>Xenopus borealis</i> , analysed in vivo and in vitro. <i>Nucleic Acids Research</i> , 1983 , 11, 8167-81	20.1	13
7	Transcription in oocytes of highly methylated rDNA from <i>Xenopus laevis</i> sperm. <i>Nature</i> , 1983 , 306, 200-3	30.4	47

6	DNAase I sensitivity and methylation of active versus inactive rRNA genes in xenopus species hybrids. <i>Cell</i> , 1982 , 29, 211-8	56.2	53
5	Loss of rDNA methylation accompanies the onset of ribosomal gene activity in early development of <i>X. laevis</i> . <i>Cell</i> , 1981 , 26, 381-90	56.2	99
4	Ribosomal RNA gene amplification by rolling circles. <i>Journal of Molecular Biology</i> , 1974 , 87, 473-87	6.5	89
3	Is gene amplification RNA-directed?. <i>Nature: New Biology</i> , 1973 , 242, 226-30		24
2	Neuronal non-CG methylation is an essential target for MeCP2 function		1
1	Quantitative modelling predicts the impact of DNA methylation on RNA polymerase II traffic		1