Timothy H Bestor

List of Publications by Year
in descending order

38 papers	18,317 citations	185998 28 h-index	360668 35 g-index
38 all docs	38 docs citations	38 times ranked	14828 citing authors

#	Article	IF	Citations
1	Methylation-directed glycosylation of chromatin factors represses retrotransposon promoters. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14292-14298.	3.3	28
2	BAH domains and a histone-like motif in DNA methyltransferase 1 (DNMT1) regulate de novo and maintenance methylation in vivo. Journal of Biological Chemistry, 2018, 293, 19466-19475.	1.6	45
3	Independent functions of DNMT1 and USP7 at replication foci. Epigenetics and Chromatin, 2018, 11, 9.	1.8	17
4	Photochemical conversion of a cytidine derivative to a thymidine analogvia[2+2]-cycloaddition. Photochemical and Photobiological Sciences, 2018, 17, 1049-1055.	1.6	3
5	DNA methylation and DNA methyltransferases. Epigenetics and Chromatin, 2017, 10, 23.	1.8	360
6	Abnormal X chromosome inactivation and sex-specific gene dysregulation after ablation of FBXL10. Epigenetics and Chromatin, 2016, 9, 22.	1.8	19
7	Protein O-Glucosyltransferase 1 (POGLUT1) Promotes Mouse Gastrulation through Modification of the Apical Polarity Protein CRUMBS2. PLoS Genetics, 2015, 11, e1005551.	1.5	34
8	Reply to Wilkinson: Minor role of programmed methylation and demethylation in mammalian development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2117-E2117.	3.3	1
9	FBXL10 protects Polycomb-bound genes from hypermethylation. Nature Genetics, 2015, 47, 479-485.	9.4	136
10	Notes on the role of dynamic DNA methylation in mammalian development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6796-6799.	3.3	200
11	Ectopic DNMT3L Triggers Assembly of a Repressive Complex for Retroviral Silencing in Somatic Cells. Journal of Virology, 2014, 88, 10680-10695.	1.5	26
12	Methylation Abnormalities in Mammary Carcinoma: The Methylation Suicide Hypothesis. Journal of Cancer Therapy, 2014, 05, 1311-1324.	0.1	5
13	Structure of DNMT1-DNA Complex Reveals a Role for Autoinhibition in Maintenance DNA Methylation. Science, 2011, 331, 1036-1040.	6.0	363
14	Chromatin and sequence features that define the fine and gross structure of genomic methylation patterns. Genome Research, 2010, 20, 972-980.	2.4	160
15	A piRNA Pathway Primed by Individual Transposons Is Linked to De Novo DNA Methylation in Mice. Molecular Cell, 2008, 31, 785-799.	4.5	1,029
16	Biological Functions of DNA Methyltransferase 1 Require Its Methyltransferase Activity. Molecular and Cellular Biology, 2007, 27, 3891-3899.	1.1	61
17	DNMT3L connects unmethylated lysine 4 of histone H3 to de novo methylation of DNA. Nature, 2007, 448, 714-717.	13.7	1,369
18	Specific Methylation of tRNAAsp by a DNA Methyltransferase Homologue. FASEB Journal, 2007, 21, A206.	0.2	0

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19	EUKARYOTIC CYTOSINE METHYLTRANSFERASES. Annual Review of Biochemistry, 2005, 74, 481-514.	5.0	1,846
20	Transposons Reanimated in Mice. Cell, 2005, 122, 322-325.	13.5	61
21	Meiotic catastrophe and retrotransposon reactivation in male germ cells lacking Dnmt3L. Nature, 2004, 431, 96-99.	13.7	1,043
22	Cytosine methylation mediates sexual conflict. Trends in Genetics, 2003, 19, 185-190.	2.9	115
23	Unanswered Questions about the Role of Promoter Methylation in Carcinogenesis. Annals of the New York Academy of Sciences, 2003, 983, 22-27.	1.8	51
24	Imprinting errors and developmental asymmetry. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1411-1415.	1.8	58
25	Dnmt3L and the Establishment of Maternal Genomic Imprints. Science, 2001, 294, 2536-2539.	6.0	1,257
26	The DNA methyltransferases of mammals. Human Molecular Genetics, 2000, 9, 2395-2402.	1.4	1,710
27	Chromosome instability and immunodeficiency syndrome caused by mutations in a DNA methyltransferase gene. Nature, 1999, 402, 187-191.	13.7	1,056
28	Sex brings transposons and genomes into conflict. , 1999, 107, 289-295.		58
29	Methylation meets acetylation. Nature, 1998, 393, 311-312.	13.7	148
30	Transcription of IAP endogenous retroviruses is constrained by cytosine methylation. Nature Genetics, 1998, 20, 116-117.	9.4	1,012
31	The Host Defence Function of Genomic Methylation Patterns. Novartis Foundation Symposium, 1998, 214, 187-199.	1.2	70
32	Cytosine methylation targetted to pre-determined sequences. Nature Genetics, 1997, 17, 376-378.	9.4	146
33	DNA methyltransferase in normal andDnmtn/Dnmtn mouse embryos. Developmental Dynamics, 1996, 206, 239-247.	0.8	65
34	Creation of genomic methylation patterns. Nature Genetics, 1996, 12, 363-367.	9.4	301
35	DNA methyltransferase in normal and Dnmtn/Dnmtn mouse embryos. , 1996, 206, 239.		1
36	A targeting sequence directs DNA methyltransferase to sites of DNA replication in mammalian nuclei. Cell, 1992, 71, 865-873.	13.5	946

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37	Targeted mutation of the DNA methyltransferase gene results in embryonic lethality. Cell, 1992, 69, 915-926.	13.5	3,677
38	Cloning and sequencing of a cDNA encoding DNA methyltransferase of mouse cells. Journal of Molecular Biology, 1988, 203, 971-983.	2.0	840