DÃ©borah Bourc'his

List of Publications by Year
in descending order

50 papers	8,855 citations	147566 31 h-index	161609 54 g-index
68 all docs	68 docs citations	68 times ranked	9714 citing authors

#	Article	IF	Citations
1	The imprinted Zdbf2 gene finely tunes control of feeding and growth in neonates. ELife, 2022, 11, .	2.8	9
2	DNMT3A-dependent DNA methylation is required for spermatogonial stem cells to commit to spermatogenesis. Nature Genetics, 2022, 54, 469-480.	9.4	39
3	Meiosis, a New Playground for Retrotransposon Evolution. Developmental Cell, 2021, 56, 1-2.	3.1	14
4	m6A RNA methylation regulates the fate of endogenous retroviruses. Nature, 2021, 591, 312-316.	13.7	156
5	Metastable epialleles are stable in their instability. Nature Genetics, 2021, 53, 1121-1123.	9.4	3
6	PLZF Acetylation Levels Regulate NKT Cell Differentiation. Journal of Immunology, 2021, 207, 809-823.	0.4	5
7	Dynamic Evolution of De Novo DNA Methyltransferases in Rodent and Primate Genomes. Molecular Biology and Evolution, 2020, 37, 1882-1892.	3.5	18
8	The diverse roles of DNA methylation in mammalian development and disease. Nature Reviews Molecular Cell Biology, 2019, 20, 590-607.	16.1	1,269
9	Effects of assisted reproductive technologies on transposon regulation in the mouse pre-implanted embryo. Human Reproduction, 2019, 34, 612-622.	0.4	8
10	Genomic Imprinting and Physiological Processes in Mammals. Cell, 2019, 176, 952-965.	13.5	395
11	Tools and best practices for retrotransposon analysis using high-throughput sequencing data. Mobile DNA, 2019, 10, 52.	1.3	63
12	Dynamic enhancer partitioning instructs activation of a growth-related gene during exit from naÃ¯ve pluripotency. ELife, 2019, 8, .	2.8	11
13	The discovery and importance of genomic imprinting. ELife, 2018, 7, .	2.8	50
14	A single-cell chromatin map of human embryos. Nature Cell Biology, 2018, 20, 742-744.	4.6	2
15	<i>Tex19</i> paralogs are new members of the piRNA pathway controlling retrotransposon suppression. Journal of Cell Science, 2017, 130, 1463-1474.	1.2	8
16	Gene body <scp>DNA</scp> methylation conspires with H3K36me3 to preclude aberrant transcription. EMBO Journal, 2017, 36, 1471-1473.	3.5	67
17	Transient transcription in the early embryo sets an epigenetic state that programs postnatal growth. Nature Genetics, 2017, 49, 110-118.	9.4	76
18	An epigenetic switch ensures transposon repression upon dynamic loss of DNA methylation in embryonic stem cells. ELife, 2016, 5, .	2.8	228

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19	The DNA methyltransferase DNMT3C protects male germ cells from transposon activity. Science, 2016, 354, 909-912.	6.0	267
20	Cultural relativism: maintenance of genomic imprints in pluripotent stem cell culture systems. Current Opinion in Genetics and Development, 2015, 31, 42-49.	1.5	16
21	Germline correction of an epimutation related to Silver-Russell syndrome. Human Molecular Genetics, 2015, 24, 3314-3321.	1.4	10
22	DNA methylation restrains transposons from adopting a chromatin signature permissive for meiotic recombination. Genes and Development, 2015, 29, 1256-1270.	2.7	146
23	MORC1 represses transposable elements in the mouse male germline. Nature Communications, 2014, 5, 5795.	5.8	108
24	The Gpr1/Zdbf2 locus provides new paradigms for transient and dynamic genomic imprinting in mammals. Genes and Development, 2014, 28, 463-478.	2.7	63
25	Plasticity in Dnmt3L-dependent and -independent modes of de novo methylation in the developing mouse embryo. Development (Cambridge), 2013, 140, 562-572.	1.2	33
26	Parental Epigenetic Asymmetry in Mammals. Current Topics in Developmental Biology, 2013, 104, 293-328.	1.0	27
27	The mammalian-specific Tex19.1 gene plays an essential role in spermatogenesis and placenta-supported development. Human Reproduction, 2013, 28, 2201-2214.	0.4	20
28	Protection against De Novo Methylation Is Instrumental in Maintaining Parent-of-Origin Methylation Inherited from the Gametes. Molecular Cell, 2012, 47, 909-920.	4.5	118
29	Characterization of Novel Paternal ncRNAs at the Plagl1 Locus, Including Hymai, Predicted to Interact with Regulators of Active Chromatin. PLoS ONE, 2012, 7, e38907.	1.1	21
30	Human imprinted retrogenes exhibit non-canonical imprint chromatin signatures and reside in non-imprinted host genes. Nucleic Acids Research, 2011, 39, 4577-4586.	6.5	22
31	Identification and resolution of artifacts in the interpretation of imprinted gene expression. Briefings in Functional Genomics, 2010, 9, 374-384.	1.3	39
32	The Parental Non-Equivalence of Imprinting Control Regions during Mammalian Development and Evolution. PLoS Genetics, 2010, 6, e1001214.	1.5	61
33	A Small-RNA Perspective on Gametogenesis, Fertilization, and Early Zygotic Development. Science, 2010, 330, 617-622.	6.0	195
34	Sexual dimorphism in parental imprint ontogeny and contribution to embryonic development. Molecular and Cellular Endocrinology, 2008, 282, 87-94.	1.6	52
35	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
36	Comparative analysis of human chromosome 7q21 and mouse proximal chromosome 6 reveals a placental-specific imprinted gene, <i>TFPI2</i>/<i>Tfpi2</i>, which requires EHMT2 and EED for allelic-silencing. Genome Research, 2008, 18, 1270-1281.	2.4	72

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37	Extensive meiotic asynapsis in mice antagonises meiotic silencing of unsynapsed chromatin and consequently disrupts meiotic sex chromosome inactivation. Journal of Cell Biology, 2008, 182, 263-276.	2.3	167
38	WAMIDEX: A web atlas of murine genomic imprinting and differential expression. Epigenetics, 2008, 3, 89-96.	1.3	51
39	Small RNA guides for de novo DNA methylation in mammalian germ cells: Figure 1.. Genes and Development, 2008, 22, 970-975.	2.7	145
40	Regulation of alternative polyadenylation by genomic imprinting. Genes and Development, 2008, 22, 1141-1146.	2.7	130
41	Allele-specific demethylation at an imprinted mammalian promoter. Nucleic Acids Research, 2007, 35, 7031-7039.	6.5	22
42	MIWI2 Is Essential for Spermatogenesis and Repression of Transposons in the Mouse Male Germline. Developmental Cell, 2007, 12, 503-514.	3.1	1,014
43	Epigenetic Decisions in Mammalian Germ Cells. Science, 2007, 316, 398-399.	6.0	168
44	Coordinate regulation of DNA methyltransferase expression during oogenesis. BMC Developmental Biology, 2007, 7, 36.	2.1	99
45	Genetics and epigenetics of hydatidiform moles. Nature Genetics, 2006, 38, 274-276.	9.4	14
46	Identification of the control region for tissue-specific imprinting of the stimulatory G protein Â-subunit. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5513-5518.	3.3	97
47	Meiotic catastrophe and retrotransposon reactivation in male germ cells lacking Dnmt3L. Nature, 2004, 431, 96-99.	13.7	1,043
48	Helicase homologues maintain cytosine methylation in plants and mammals. BioEssays, 2002, 24, 297-299.	1.2	25
49	Chromosome instability and immunodeficiency syndrome caused by mutations in a DNA methyltransferase gene. Nature, 1999, 402, 187-191.	13.7	1,056
50	Î±-Satellite DNA methylation in normal individuals and in ICF patients: heterogeneous methylation of constitutive heterochromatin in adult and fetal tissues. Human Genetics, 1997, 99, 738-745.	1.8	85