Mellissa R W Mann

List of Publications by Year
in descending order

54 papers	5,149 citations	159585 30 h-index	182427 51 g-index
59 all docs	59 docs citations	59 times ranked	4417 citing authors

#	Article	IF	Citations
1	Differential Effects of Culture on Imprinted H19 Expression in the Preimplantation Mouse Embryo1. Biology of Reproduction, 2000, 62, 1526-1535.	2.7	687
2	Gene-specific timing and epigenetic memory in oocyte imprinting. Human Molecular Genetics, 2004, 13, 839-849.	2.9	410
3	Selective loss of imprinting in the placenta following preimplantation development in culture. Development (Cambridge), 2004, 131, 3727-3735.	2.5	389
4	Epigenetics and human disease: translating basic biology into clinical applications. Cmaj, 2006, 174, 341-348.	2.0	371
5	Disruption of Imprinted Gene Methylation and Expression in Cloned Preimplantation Stage Mouse Embryos1. Biology of Reproduction, 2003, 69, 902-914.	2.7	286
6	Dual effects of superovulation: loss of maternal and paternal imprinted methylation in a dose-dependent manner. Human Molecular Genetics, 2010, 19, 36-51.	2.9	286
7	Genomic Imprinting: Intricacies of Epigenetic Regulation in Clusters. Annual Review of Cell and Developmental Biology, 2003, 19, 237-259.	9.4	251
8	Side-by-Side Comparison of Five Commercial Media Systems in a Mouse Model: Suboptimal In Vitro Culture Interferes with Imprint Maintenance1. Biology of Reproduction, 2010, 83, 938-950.	2.7	193
9	DNA methylation is a primary mechanism for silencing postmigratory primordial germ cell genes in both germ cell and somatic cell lineages. Development (Cambridge), 2006, 133, 3411-3418.	2.5	185
10	Reprogramming of primordial germ cells begins before migration into the genital ridge, making these cells inadequate donors for reproductive cloning. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12207-12212.	7.1	166
11	ATRX Partners with Cohesin and MeCP2 and Contributes to Developmental Silencing of Imprinted Genes in the Brain. Developmental Cell, 2010, 18, 191-202.	7.0	160
12	Genomic imprinting â€" defusing the ovarian time bomb. Trends in Genetics, 1994, 10, 118-123.	6.7	150
13	An RB-EZH2 Complex Mediates Silencing of Repetitive DNA Sequences. Molecular Cell, 2016, 64, 1074-1087.	9.7	128
14	Nuclear-Cytoplasmic â€œTug of Warâ€•During Cloning: Effects of Somatic Cell Nuclei on Culture Medium Preferences of Preimplantation Cloned Mouse Embryos1. Biology of Reproduction, 2002, 66, 1178-1184.	2.7	120
15	X chromosome reactivation and regulation in cloned embryos. Developmental Biology, 2005, 279, 525-540.	2.0	120
16	Genomic imprints as a model for the analysis of epigenetic stability during assisted reproductive technologies. Reproduction, 2012, 144, 393-409.	2.6	117
17	Towards a molecular understandingof Prader-Willi and Angelman syndromes. Human Molecular Genetics, 1999, 8, 1867-1873.	2.9	86
18	High Frequency of Imprinted Methylation Errors in Human Preimplantation Embryos. Scientific Reports, 2015, 5, 17311.	3.3	78

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19	Analysis of Sequence Upstream of the Endogenous <i>H19</i> Gene Reveals Elements Both Essential and Dispensable for Imprinting. Molecular and Cellular Biology, 2002, 22, 2450-2462.	2.3	74
20	Embryonic imprinting perturbations do not originate from superovulation-induced defects in DNA methylation acquisition. Fertility and Sterility, 2011, 96, 734-738.e2.	1.0	65
21	Loss of Genomic Imprinting in Mouse Embryos with Fast Rates of Preimplantation Development in Culture1. Biology of Reproduction, 2012, 86, 143, 1-16.	2.7	63
22	DNA methyltransferase 1o functions during preimplantation development to preclude a profound level of epigenetic variation. Developmental Biology, 2008, 324, 139-150.	2.0	62
23	The PcG gene Sfmbt2 is paternally expressed in extraembryonic tissues. Gene Expression Patterns, 2008, 8, 107-116.	0.8	61
24	Depletion of <i>Kcnq1ot1</i> non-coding RNA does not affect imprinting maintenance in stem cells. Development (Cambridge), 2011, 138, 3667-3678.	2.5	52
25	Epigenetic regulation of genomic imprinting from germ line to preimplantation. Molecular Reproduction and Development, 2014, 81, 126-140.	2.0	46
26	Epigenetic reprogramming in the mammalian embryo: struggle of the clones. Genome Biology, 2002, 3, reviews1003.1.	9.6	45
27	Long noncoding RNA functionality in imprinted domain regulation. PLoS Genetics, 2020, 16, e1008930.	3.5	44
28	Identification of genes showing altered expression in preimplantation and early postimplantation parthenogenetic embryos. Genesis, 1995, 17, 223-232.	2.1	41
29	Domain-Specific Response of Imprinted Genes to Reduced DNMT1. Molecular and Cellular Biology, 2010, 30, 3916-3928.	2.3	41
30	Both the folate cycle and betaineâ€homocysteine methyltransferase contribute methyl groups for DNA methylation in mouse blastocysts. FASEB Journal, 2015, 29, 1069-1079.	0.5	33
31	Multiple Epigenetic Modifiers Induce Aggressive Viral Extinction in Extraembryonic Endoderm Stem Cells. Cell Stem Cell, 2010, 6, 457-467.	11.1	32
32	Maternal control of genomic imprint maintenance. Reproductive BioMedicine Online, 2013, 27, 629-636.	2.4	31
33	Embryo Culture and Epigenetics. Methods in Molecular Biology, 2012, 912, 399-421.	0.9	27
34	Site of action of imprinted genes revealed by phenotypic analysis of parthenogenetic embryos. Genesis, 1993, 14, 239-248.	2.1	24
35	Nucleoporin 107, 62 and 153 mediate Kcnq1ot1 imprinted domain regulation in extraembryonic endoderm stem cells. Nature Communications, 2018, 9, 2795.	12.8	24
36	Compromised fertility disrupts Peg1 but not Snrpn and Peg3 imprinted methylation acquisition in mouse oocytes. Frontiers in Genetics, 2012, 3, 129.	2.3	23

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37	Conservation of DNA Methylation Programming Between Mouse and Human Gametes and Preimplantation Embryos. Biology of Reproduction, 2016, 95, 61-61.	2.7	23
38	Perturbations in imprinted methylation from assisted reproductive technologies but not advanced maternal age in mouse preimplantation embryos. Clinical Epigenetics, 2019, 11, 162.	4.1	22
39	Maintenance of Mest imprinted methylation in blastocyst-stage mouse embryos is less stable than other imprinted loci following superovulation or embryo culture. Environmental Epigenetics, 2017, 3, dvx015.	1.8	21
40	Why we should not select the faster embryo: lessons from mice and cattle. Reproduction, Fertility and Development, 2015, 27, 765.	0.4	20
41	A bidirectional promoter architecture enhances lentiviral transgenesis in embryonic and extraembryonic stem cells. Gene Therapy, 2011, 18, 817-826.	4.5	14
42	Characterization of the Mouse Kcnq1ot1 Non-Coding RNA.. Biology of Reproduction, 2009, 81, 142-142.	2.7	12
43	Acetaldehyde dehydrogenase (Ahd-2)-Associated DNA Polymorphisms in Mouse Strains with Variable Ethanol Preferences. Alcoholism: Clinical and Experimental Research, 1991, 15, 304-307.	2.4	11
44	Maintaining imprinting. Nature Genetics, 2000, 25, 4-5.	21.4	11
45	Single Oocyte Bisulfite Mutagenesis. Journal of Visualized Experiments, 2012, , .	0.3	11
46	Betaine is accumulated via transient choline dehydrogenase activation during mouse oocyte meiotic maturation. Journal of Biological Chemistry, 2017, 292, 13784-13794.	3.4	11
47	Endogenous Folate Accumulation in Oocytes and Preimplantation Embryos and Its Epigenetic Implications. Biology of Reproduction, 2013, 89, 62.	2.7	4
48	A role for chromatin topology in imprinted domain regulation. Biochemistry and Cell Biology, 2016, 94, 43-55.	2.0	2
49	Imprinting and epigenetics in mouse models and embryogenesis: understanding the requirement for both parental genomes. , 2005, , .		0
50	Epigenetics in all its glory. Development (Cambridge), 2011, 138, 5274-5275.	2.5	0
51	SUSCEPTIBILITY OF GENOMIC IMPRINTING TO EMBRYO CULTURE. Biology of Reproduction, 2007, 77, 66-66.	2.7	0
52	INVESTIGATING THE MOLECULAR AND DEVELOPMENTAL EFFECTS OF VARIOUS CULTURE REGIMES IN A MOUSE MODEL SYSTEM. Clinical and Investigative Medicine, 2008, 31, 16.	0.6	0
53	Investigating the Molecular Effects of Superovulation and Embryo Culture on Genomic Imprinting in a Mouse Model System.. Biology of Reproduction, 2009, 81, 266-266.	2.7	0
54	Compromized Fertility Disrupts Peg1 but Not Snrpn and Peg3 Imprinted Methylation Acquisition in Mouse Oocytes.. Biology of Reproduction, 2012, 87, 273-273.	2.7	0