

Mellissa R W Mann

List of Publications by Year in descending order

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54
papers

5,149
citations

159358

30
h-index

182168

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. <i>Biology of Reproduction</i> , 2000, 62, 1526-1535.	1.2	687
2	Gene-specific timing and epigenetic memory in oocyte imprinting. <i>Human Molecular Genetics</i> , 2004, 13, 839-849.	1.4	410
3	Selective loss of imprinting in the placenta following preimplantation development in culture. <i>Development (Cambridge)</i> , 2004, 131, 3727-3735.	1.2	389
4	Epigenetics and human disease: translating basic biology into clinical applications. <i>Cmaj</i> , 2006, 174, 341-348.	0.9	371
5	Disruption of Imprinted Gene Methylation and Expression in Cloned Preimplantation Stage Mouse Embryos1. <i>Biology of Reproduction</i> , 2003, 69, 902-914.	1.2	286
6	Dual effects of superovulation: loss of maternal and paternal imprinted methylation in a dose-dependent manner. <i>Human Molecular Genetics</i> , 2010, 19, 36-51.	1.4	286
7	Genomic Imprinting: Intricacies of Epigenetic Regulation in Clusters. <i>Annual Review of Cell and Developmental Biology</i> , 2003, 19, 237-259.	4.0	251
8	Side-by-Side Comparison of Five Commercial Media Systems in a Mouse Model: Suboptimal In Vitro Culture Interferes with Imprint Maintenance1. <i>Biology of Reproduction</i> , 2010, 83, 938-950.	1.2	193
9	DNA methylation is a primary mechanism for silencing postmigratory primordial germ cell genes in both germ cell and somatic cell lineages. <i>Development (Cambridge)</i> , 2006, 133, 3411-3418.	1.2	185
10	Reprogramming of primordial germ cells begins before migration into the genital ridge, making these cells inadequate donors for reproductive cloning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12207-12212.	3.3	166
11	ATRX Partners with Cohesin and MeCP2 and Contributes to Developmental Silencing of Imprinted Genes in the Brain. <i>Developmental Cell</i> , 2010, 18, 191-202.	3.1	160
12	Genomic imprinting "defusing the ovarian time bomb". <i>Trends in Genetics</i> , 1994, 10, 118-123.	2.9	150
13	An RB-EZH2 Complex Mediates Silencing of Repetitive DNA Sequences. <i>Molecular Cell</i> , 2016, 64, 1074-1087.	4.5	128
14	Nuclear-Cytoplasmic "Tug of War" During Cloning: Effects of Somatic Cell Nuclei on Culture Medium Preferences of Preimplantation Cloned Mouse Embryos1. <i>Biology of Reproduction</i> , 2002, 66, 1178-1184.	1.2	120
15	X chromosome reactivation and regulation in cloned embryos. <i>Developmental Biology</i> , 2005, 279, 525-540.	0.9	120
16	Genomic imprints as a model for the analysis of epigenetic stability during assisted reproductive technologies. <i>Reproduction</i> , 2012, 144, 393-409.	1.1	117
17	Towards a molecular understanding of Prader-Willi and Angelman syndromes. <i>Human Molecular Genetics</i> , 1999, 8, 1867-1873.	1.4	86
18	High Frequency of Imprinted Methylation Errors in Human Preimplantation Embryos. <i>Scientific Reports</i> , 2015, 5, 17311.	1.6	78

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19	Analysis of Sequence Upstream of the Endogenous H19 Gene Reveals Elements Both Essential and Dispensable for Imprinting. <i>Molecular and Cellular Biology</i> , 2002, 22, 2450-2462.	1.1	74
20	Embryonic imprinting perturbations do not originate from superovulation-induced defects in DNA methylation acquisition. <i>Fertility and Sterility</i> , 2011, 96, 734-738.e2.	0.5	65
21	Loss of Genomic Imprinting in Mouse Embryos with Fast Rates of Preimplantation Development in Culture1. <i>Biology of Reproduction</i> , 2012, 86, 143, 1-16.	1.2	63
22	DNA methyltransferase 1o functions during preimplantation development to preclude a profound level of epigenetic variation. <i>Developmental Biology</i> , 2008, 324, 139-150.	0.9	62
23	The PcG gene <i>Sfmbt2</i> is paternally expressed in extraembryonic tissues. <i>Gene Expression Patterns</i> , 2008, 8, 107-116.	0.3	61
24	Depletion of <i>Kcnq1ot1</i> non-coding RNA does not affect imprinting maintenance in stem cells. <i>Development (Cambridge)</i> , 2011, 138, 3667-3678.	1.2	52
25	Epigenetic regulation of genomic imprinting from germ line to preimplantation. <i>Molecular Reproduction and Development</i> , 2014, 81, 126-140.	1.0	46
26	Epigenetic reprogramming in the mammalian embryo: struggle of the clones. <i>Genome Biology</i> , 2002, 3, reviews1003.1.	13.9	45
27	Long noncoding RNA functionality in imprinted domain regulation. <i>PLoS Genetics</i> , 2020, 16, e1008930.	1.5	44
28	Identification of genes showing altered expression in preimplantation and early postimplantation parthenogenetic embryos. <i>Genesis</i> , 1995, 17, 223-232.	3.1	41
29	Domain-Specific Response of Imprinted Genes to Reduced DNMT1. <i>Molecular and Cellular Biology</i> , 2010, 30, 3916-3928.	1.1	41
30	Both the folate cycle and betaine-homocysteine methyltransferase contribute methyl groups for DNA methylation in mouse blastocysts. <i>FASEB Journal</i> , 2015, 29, 1069-1079.	0.2	33
31	Multiple Epigenetic Modifiers Induce Aggressive Viral Extinction in Extraembryonic Endoderm Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 457-467.	5.2	32
32	Maternal control of genomic imprint maintenance. <i>Reproductive BioMedicine Online</i> , 2013, 27, 629-636.	1.1	31
33	Embryo Culture and Epigenetics. <i>Methods in Molecular Biology</i> , 2012, 912, 399-421.	0.4	27
34	Site of action of imprinted genes revealed by phenotypic analysis of parthenogenetic embryos. <i>Genesis</i> , 1993, 14, 239-248.	3.1	24
35	Nucleoporin 107, 62 and 153 mediate <i>Kcnq1ot1</i> imprinted domain regulation in extraembryonic endoderm stem cells. <i>Nature Communications</i> , 2018, 9, 2795.	5.8	24
36	Compromised fertility disrupts <i>Peg1</i> but not <i>Snrpn</i> and <i>Peg3</i> imprinted methylation acquisition in mouse oocytes. <i>Frontiers in Genetics</i> , 2012, 3, 129.	1.1	23

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37	Conservation of DNA Methylation Programming Between Mouse and Human Gametes and Preimplantation Embryos. <i>Biology of Reproduction</i> , 2016, 95, 61-61.	1.2	23
38	Perturbations in imprinted methylation from assisted reproductive technologies but not advanced maternal age in mouse preimplantation embryos. <i>Clinical Epigenetics</i> , 2019, 11, 162.	1.8	22
39	Maintenance of Mest imprinted methylation in blastocyst-stage mouse embryos is less stable than other imprinted loci following superovulation or embryo culture. <i>Environmental Epigenetics</i> , 2017, 3, dx015.	0.9	21
40	Why we should not select the faster embryo: lessons from mice and cattle. <i>Reproduction, Fertility and Development</i> , 2015, 27, 765.	0.1	20
41	A bidirectional promoter architecture enhances lentiviral transgenesis in embryonic and extraembryonic stem cells. <i>Gene Therapy</i> , 2011, 18, 817-826.	2.3	14
42	Characterization of the Mouse Kcnq1ot1 Non-Coding RNA.. <i>Biology of Reproduction</i> , 2009, 81, 142-142.	1.2	12
43	Acetaldehyde dehydrogenase (Ahd-2)-Associated DNA Polymorphisms in Mouse Strains with Variable Ethanol Preferences. <i>Alcoholism: Clinical and Experimental Research</i> , 1991, 15, 304-307.	1.4	11
44	Maintaining imprinting. <i>Nature Genetics</i> , 2000, 25, 4-5.	9.4	11
45	Single Oocyte Bisulfite Mutagenesis. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	11
46	Betaine is accumulated via transient choline dehydrogenase activation during mouse oocyte meiotic maturation. <i>Journal of Biological Chemistry</i> , 2017, 292, 13784-13794.	1.6	11
47	Endogenous Folate Accumulation in Oocytes and Preimplantation Embryos and Its Epigenetic Implications. <i>Biology of Reproduction</i> , 2013, 89, 62.	1.2	4
48	A role for chromatin topology in imprinted domain regulation. <i>Biochemistry and Cell Biology</i> , 2016, 94, 43-55.	0.9	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. <i>Development (Cambridge)</i> , 2011, 138, 5274-5275.	1.2	0
51	SUSCEPTIBILITY OF GENOMIC IMPRINTING TO EMBRYO CULTURE. <i>Biology of Reproduction</i> , 2007, 77, 66-66.	1.2	0
52	INVESTIGATING THE MOLECULAR AND DEVELOPMENTAL EFFECTS OF VARIOUS CULTURE REGIMES IN A MOUSE MODEL SYSTEM. <i>Clinical and Investigative Medicine</i> , 2008, 31, 16.	0.3	0
53	Investigating the Molecular Effects of Superovulation and Embryo Culture on Genomic Imprinting in a Mouse Model System.. <i>Biology of Reproduction</i> , 2009, 81, 266-266.	1.2	0
54	Compromized Fertility Disrupts Peg1 but Not Snrpn and Peg3 Imprinted Methylation Acquisition in Mouse Oocytes.. <i>Biology of Reproduction</i> , 2012, 87, 273-273.	1.2	0