

Erica D Watson

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,554
citations

623574

14
h-index

610775

24
g-index

29
all docs

29
docs citations

29
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Structures and Transport Functions in the Mouse Placenta. <i>Physiology</i> , 2005, 20, 180-193.	1.6	463
2	Mutation in Folate Metabolism Causes Epigenetic Instability and Transgenerational Effects on Development. <i>Cell</i> , 2013, 155, 81-93.	13.5	225
3	Branching morphogenesis during development of placental villi. <i>Differentiation</i> , 2006, 74, 393-401.	1.0	115
4	Suppression of Mitochondrial Electron Transport Chain Function in the Hypoxic Human Placenta: A Role for miRNA-210 and Protein Synthesis Inhibition. <i>PLoS ONE</i> , 2013, 8, e55194.	1.1	112
5	Chorioallantoic Morphogenesis and Formation of the Placental Villous Tree. <i>Annals of the New York Academy of Sciences</i> , 2003, 995, 84-93.	1.8	102
6	Metabolic derangement of methionine and folate metabolism in mice deficient in methionine synthase reductase. <i>Molecular Genetics and Metabolism</i> , 2007, 91, 85-97.	0.5	99
7	Unravelling the complex mechanisms of transgenerational epigenetic inheritance. <i>Current Opinion in Chemical Biology</i> , 2016, 33, 101-107.	2.8	90
8	Endoplasmic reticulum stress disrupts placental morphogenesis: implications for human intrauterine growth restriction. <i>Journal of Pathology</i> , 2012, 228, 554-564.	2.1	79
9	The Mrj co-chaperone mediates keratin turnover and prevents the formation of toxic inclusion bodies in trophoblast cells of the placenta. <i>Development (Cambridge)</i> , 2007, 134, 1809-1817.	1.2	57
10	Neural stem cell self-renewal requires the Mrj co-chaperone. <i>Developmental Dynamics</i> , 2009, 238, 2564-2574.	0.8	26
11	Lessons from the one-carbon metabolism: passing it along to the next generation. <i>Reproductive BioMedicine Online</i> , 2013, 27, 637-643.	1.1	24
12	Cell-cell adhesion defects in <i>Mrj</i> mutant trophoblast cells are associated with failure to pattern the chorion during early placental development. <i>Developmental Dynamics</i> , 2011, 240, 2505-2519.	0.8	23
13	Variably methylated retrotransposons are refractory to a range of environmental perturbations. <i>Nature Genetics</i> , 2021, 53, 1233-1242.	9.4	23
14	Abnormal folate metabolism causes age-, sex- and parent-of-origin-specific haematological defects in mice. <i>Journal of Physiology</i> , 2018, 596, 4341-4360.	1.3	18
15	Dynamic expression of TET1, TET2, and TET3 dioxygenases in mouse and human placentas throughout gestation. <i>Placenta</i> , 2017, 59, 46-56.	0.7	17
16	Defective folate metabolism causes germline epigenetic instability and distinguishes Hira as a phenotype inheritance biomarker. <i>Nature Communications</i> , 2021, 12, 3714.	5.8	12
17	Fat eggs shape offspring health. <i>Nature Genetics</i> , 2016, 48, 478-479.	9.4	10
18	Multigenerational analysis of sex-specific phenotypic differences at midgestation caused by abnormal folate metabolism. <i>Environmental Epigenetics</i> , 2017, 3, dxv014.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Excessive endoplasmic reticulum stress drives aberrant mouse trophoblast differentiation and placental development leading to pregnancy loss. <i>Journal of Physiology</i> , 2021, 599, 4153-4181.	1.3	10
20	Mtrr hypomorphic mutation alters liver morphology, metabolism and fuel storage in mice. <i>Molecular Genetics and Metabolism Reports</i> , 2020, 23, 100580.	0.4	9
21	Hematopoietic stem cell gene therapy targeting TGF β ² enhances the efficacy of irradiation therapy in a preclinical glioblastoma model. , 2021, 9, e001143.		7
22	Transferring Fragments of Paternal Metabolism to the Offspring. <i>Cell Metabolism</i> , 2016, 23, 401-402.	7.2	6
23	Analysis of spermatogenesis and fertility in adult mice with a hypomorphic mutation in the Mtrr gene. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1730.	0.1	5
24	Blastocyst transfer in mice alters the placental transcriptome and growth. <i>Reproduction</i> , 2020, 159, 115-132.	1.1	5
25	Disruption of Folate Metabolism Causes Poor Alignment and Spacing of Mouse Conceptuses for Multiple Generations. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 723978.	1.8	4
26	Epigenetics of Transgenerational Inheritance of Disease. , 2018, , 805-836.		2