Michael C Golding

List of Publications by Year in Descending Order

40 papers	1,771 citations	19 h-index	42 g-index
70 ext. papers	2,039 ext. citations	6.2 avg, IF	4.37 L-index

#	Paper	IF	Citations
40	Chromatin alterations during the epididymal maturation of mouse sperm refine the paternally inherited epigenome.. *Epigenetics and Chromatin*, **2022**, 15, 2	5.8	0
39	Maternal background alters the penetrance of growth phenotypes and sex-specific placental adaptation of offspring sired by alcohol-exposed males. *FASEB Journal*, **2021**, 35, e22035	0.9	2
38	Programmed suppression of oxidative phosphorylation and mitochondrial function by gestational alcohol exposure correlate with widespread increases in H3K9me2 that do not suppress transcription. *Epigenetics and Chromatin*, **2021**, 14, 27	5.8	2
37	Gestational Exposure to Ultrafine Particles Reveals Sex- and Dose-Specific Changes in Offspring Birth Outcomes, Placental Morphology, and Gene Networks. *Toxicological Sciences*, **2021**, 184, 204-213	4.4	1
36	Efficient correction of a deleterious point mutation in primary horse fibroblasts with CRISPR-Cas9. *Scientific Reports*, **2020**, 10, 7411	4.9	4
35	Gestational exposure to particulate air pollution exacerbates the growth phenotypes induced by preconception paternal alcohol use: a multiplex model of exposure. *Environmental Epigenetics*, **2020**, 6, dvaa011	2.4	2
34	Preconception paternal alcohol exposure exerts sex-specific effects on offspring growth and long-term metabolic programming. *Epigenetics and Chromatin*, **2019**, 12, 9	5.8	28
33	Alterations in sperm-inherited noncoding RNAs associate with late-term fetal growth restriction induced by preconception paternal alcohol use. *Reproductive Toxicology*, **2019**, 87, 11-20	3.4	14
32	In utero ultrafine particulate matter exposure causes offspring pulmonary immunosuppression. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3443-3448	11.5	50
31	Programmed increases in LXR induced by paternal alcohol use enhance offspring metabolic adaptation to high-fat diet induced obesity. *Molecular Metabolism*, **2019**, 30, 161-172	8.8	6
30	Context is King Questioning the causal role of DNA methylation in environmentally induced changes in gene expression. *Current Opinion in Toxicology*, **2019**, 14, 46-51	4.4	
29	Oxygen-induced alterations in the expression of chromatin modifying enzymes and the transcriptional regulation of imprinted genes. *Gene Expression Patterns*, **2018**, 28, 1-11	1.5	12
28	Nucleoporin 107, 62 and 153 mediate Kcnq1ot1 imprinted domain regulation in extraembryonic endoderm stem cells. *Nature Communications*, **2018**, 9, 2795	17.4	12
27	Disconnect between alcohol-induced alterations in chromatin structure and gene transcription in a mouse embryonic stem cell model of exposure. *Alcohol*, **2017**, 60, 121-133	2.7	11
26	DNA methylation-independent growth restriction and altered developmental programming in a mouse model of preconception male alcohol exposure. *Epigenetics*, **2017**, 12, 841-853	5.7	25
25	Inhibition of EHMT2 Induces a Robust Antiviral Response Against Foot-and-Mouth Disease and Vesicular Stomatitis Virus Infections in Bovine Cells. *Journal of Interferon and Cytokine Research*, **2016**, 36, 37-47	3.5	6
24	miR-150 regulates obesity-associated insulin resistance by controlling B cell functions. *Scientific Reports*, **2016**, 6, 20176	4.9	45

23	Alcohol-Induced Developmental Origins of Adult-Onset Diseases. *Alcoholism: Clinical and Experimental Research*, **2016**, 40, 1403-14	3.7	37
22	Histone-lysine N-methyltransferase SETDB1 is required for development of the bovine blastocyst. *Theriogenology*, **2015**, 84, 1411-22	2.8	11
21	Dose-dependent alcohol-induced alterations in chromatin structure persist beyond the window of exposure and correlate with fetal alcohol syndrome birth defects. *Epigenetics and Chromatin*, **2015**, 8, 39	5.8	58
20	MicroRNA-223 is a crucial mediator of PPARγ-regulated alternative macrophage activation. *Journal of Clinical Investigation*, **2015**, 125, 4149-59	15.9	75
19	Reshaping the transcriptional frontier: epigenetics and somatic cell nuclear transfer. *Molecular Reproduction and Development*, **2014**, 81, 183-93	2.6	44
18	Alcohol-induced epigenetic alterations to developmentally crucial genes regulating neural stemness and differentiation. *Alcoholism: Clinical and Experimental Research*, **2013**, 37, 1111-22	3.7	56
17	Identification of cell-specific patterns of reference gene stability in quantitative reverse-transcriptase polymerase chain reaction studies of embryonic, placental and neural stem models of prenatal ethanol exposure. *Alcohol*, **2013**, 47, 109-20	2.7	17
16	Prenatal alcohol exposure and cellular differentiation: a role for Polycomb and Trithorax group proteins in FAS phenotypes? **2013**, 35, 77-85		4
15	Production of transgenic calves expressing an shRNA targeting myostatin. *Molecular Reproduction and Development*, **2012**, 79, 176-85	2.6	33
14	Generation of trophoblast stem cells. *Methods in Molecular Biology*, **2012**, 925, 49-59	1.4	2
13	A bidirectional promoter architecture enhances lentiviral transgenesis in embryonic and extraembryonic stem cells. *Gene Therapy*, **2011**, 18, 817-26	4	13
12	Examination of DNA methyltransferase expression in cloned embryos reveals an essential role for Dnmt1 in bovine development. *Molecular Reproduction and Development*, **2011**, 78, 306-17	2.6	37
11	Depletion of Kcnq1ot1 non-coding RNA does not affect imprinting maintenance in stem cells. *Development (Cambridge)*, **2011**, 138, 3667-78	6.6	42
10	Selection of stable reference genes for quantitative rt-PCR comparisons of mouse embryonic and extra-embryonic stem cells. *PLoS ONE*, **2011**, 6, e27592	3.7	67
9	Applications of RNA interference-based gene silencing in animal agriculture. *Reproduction, Fertility and Development*, **2010**, 22, 47-58	1.8	5
8	Multiple epigenetic modifiers induce aggressive viral extinction in extraembryonic endoderm stem cells. *Cell Stem Cell*, **2010**, 6, 457-67	18	28
7	The PcG gene Sfmbt2 is paternally expressed in extraembryonic tissues. *Gene Expression Patterns*, **2008**, 8, 107-16	1.5	53
6	Profiling essential genes in human mammary cells by multiplex RNAi screening. *Science*, **2008**, 319, 617-20	33.3	263

5	Cloning of GJA1 (connexin43) and its expression in canine ovarian follicles throughout the estrous cycle. *Gene Expression Patterns*, **2007**, 7, 66-71	1.5	10
4	Suppression of prion protein in livestock by RNA interference. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5285-90	11.5	104
3	Evaluation of a real-time quantitative polymerase chain reaction assay for detection and quantitation of virulent Rhodococcus equi. *American Journal of Veterinary Research*, **2005**, 66, 755-61	1.1	15
2	Second-generation shRNA libraries covering the mouse and human genomes. *Nature Genetics*, **2005**, 37, 1281-8	36.3	522
1	Analysis of DNA (cytosine 5) methyltransferase mRNA sequence and expression in bovine preimplantation embryos, fetal and adult tissues. *Gene Expression Patterns*, **2003**, 3, 551-8	1.5	54