

# Michael C Golding

## List of Publications by Citations


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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Second-generation shRNA libraries covering the mouse and human genomes. <i>Nature Genetics</i> , <b>2005</b> , 37, 1281-8	36.3	522
39	Profiling essential genes in human mammary cells by multiplex RNAi screening. <i>Science</i> , <b>2008</b> , 319, 617-20	29.3	263
38	Suppression of prion protein in livestock by RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5285-90	11.5	104
37	MicroRNA-223 is a crucial mediator of PPAR $\beta$ -regulated alternative macrophage activation. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 4149-59	15.9	75
36	Selection of stable reference genes for quantitative rt-PCR comparisons of mouse embryonic and extra-embryonic stem cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e27592	3.7	67
35	Dose-dependent alcohol-induced alterations in chromatin structure persist beyond the window of exposure and correlate with fetal alcohol syndrome birth defects. <i>Epigenetics and Chromatin</i> , <b>2015</b> , 8, 39	5.8	58
34	Alcohol-induced epigenetic alterations to developmentally crucial genes regulating neural stemness and differentiation. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2013</b> , 37, 1111-22	3.7	56
33	Analysis of DNA (cytosine 5) methyltransferase mRNA sequence and expression in bovine preimplantation embryos, fetal and adult tissues. <i>Gene Expression Patterns</i> , <b>2003</b> , 3, 551-8	1.5	54
32	The PcG gene Sfmbt2 is paternally expressed in extraembryonic tissues. <i>Gene Expression Patterns</i> , <b>2008</b> , 8, 107-16	1.5	53
31	In utero ultrafine particulate matter exposure causes offspring pulmonary immunosuppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3443-3448	11.5	50
30	miR-150 regulates obesity-associated insulin resistance by controlling B cell functions. <i>Scientific Reports</i> , <b>2016</b> , 6, 20176	4.9	45
29	Reshaping the transcriptional frontier: epigenetics and somatic cell nuclear transfer. <i>Molecular Reproduction and Development</i> , <b>2014</b> , 81, 183-93	2.6	44
28	Depletion of Kcnq1ot1 non-coding RNA does not affect imprinting maintenance in stem cells. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 3667-78	6.6	42
27	Examination of DNA methyltransferase expression in cloned embryos reveals an essential role for Dnmt1 in bovine development. <i>Molecular Reproduction and Development</i> , <b>2011</b> , 78, 306-17	2.6	37
26	Alcohol-Induced Developmental Origins of Adult-Onset Diseases. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2016</b> , 40, 1403-14	3.7	37
25	Production of transgenic calves expressing an shRNA targeting myostatin. <i>Molecular Reproduction and Development</i> , <b>2012</b> , 79, 176-85	2.6	33
24	Preconception paternal alcohol exposure exerts sex-specific effects on offspring growth and long-term metabolic programming. <i>Epigenetics and Chromatin</i> , <b>2019</b> , 12, 9	5.8	28

23	Multiple epigenetic modifiers induce aggressive viral extinction in extraembryonic endoderm stem cells. <i>Cell Stem Cell</i> , <b>2010</b> , 6, 457-67	18	28
22	DNA methylation-independent growth restriction and altered developmental programming in a mouse model of preconception male alcohol exposure. <i>Epigenetics</i> , <b>2017</b> , 12, 841-853	5.7	25
21	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. <i>Alcohol</i> , <b>2013</b> , 47, 109-20	2.7	17
20	Evaluation of a real-time quantitative polymerase chain reaction assay for detection and quantitation of virulent <i>Rhodococcus equi</i> . <i>American Journal of Veterinary Research</i> , <b>2005</b> , 66, 755-61	1.1	15
19	Alterations in sperm-inherited noncoding RNAs associate with late-term fetal growth restriction induced by preconception paternal alcohol use. <i>Reproductive Toxicology</i> , <b>2019</b> , 87, 11-20	3.4	14
18	A bidirectional promoter architecture enhances lentiviral transgenesis in embryonic and extraembryonic stem cells. <i>Gene Therapy</i> , <b>2011</b> , 18, 817-26	4	13
17	Oxygen-induced alterations in the expression of chromatin modifying enzymes and the transcriptional regulation of imprinted genes. <i>Gene Expression Patterns</i> , <b>2018</b> , 28, 1-11	1.5	12
16	Nucleoporin 107, 62 and 153 mediate Kcnq1ot1 imprinted domain regulation in extraembryonic endoderm stem cells. <i>Nature Communications</i> , <b>2018</b> , 9, 2795	17.4	12
15	Disconnect between alcohol-induced alterations in chromatin structure and gene transcription in a mouse embryonic stem cell model of exposure. <i>Alcohol</i> , <b>2017</b> , 60, 121-133	2.7	11
14	Histone-lysine N-methyltransferase SETDB1 is required for development of the bovine blastocyst. <i>Theriogenology</i> , <b>2015</b> , 84, 1411-22	2.8	11
13	Cloning of GJA1 (connexin43) and its expression in canine ovarian follicles throughout the estrous cycle. <i>Gene Expression Patterns</i> , <b>2007</b> , 7, 66-71	1.5	10
12	Inhibition of EHMT2 Induces a Robust Antiviral Response Against Foot-and-Mouth Disease and Vesicular Stomatitis Virus Infections in Bovine Cells. <i>Journal of Interferon and Cytokine Research</i> , <b>2016</b> , 36, 37-47	3.5	6
11	Programmed increases in LXRIInduced by paternal alcohol use enhance offspring metabolic adaptation to high-fat diet induced obesity. <i>Molecular Metabolism</i> , <b>2019</b> , 30, 161-172	8.8	6
10	Applications of RNA interference-based gene silencing in animal agriculture. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 47-58	1.8	5
9	Efficient correction of a deleterious point mutation in primary horse fibroblasts with CRISPR-Cas9. <i>Scientific Reports</i> , <b>2020</b> , 10, 7411	4.9	4
8	Prenatal alcohol exposure and cellular differentiation: a role for Polycomb and Trithorax group proteins in FAS phenotypes? <b>2013</b> , 35, 77-85		4
7	Maternal background alters the penetrance of growth phenotypes and sex-specific placental adaptation of offspring sired by alcohol-exposed males. <i>FASEB Journal</i> , <b>2021</b> , 35, e22035	0.9	2
6	Generation of trophoblast stem cells. <i>Methods in Molecular Biology</i> , <b>2012</b> , 925, 49-59	1.4	2

5	Gestational exposure to particulate air pollution exacerbates the growth phenotypes induced by preconception paternal alcohol use: a multiplex model of exposure. <i>Environmental Epigenetics</i> , <b>2020</b> , 6, dvaa011	2.4	2
4	Programmed suppression of oxidative phosphorylation and mitochondrial function by gestational alcohol exposure correlate with widespread increases in H3K9me2 that do not suppress transcription. <i>Epigenetics and Chromatin</i> , <b>2021</b> , 14, 27	5.8	2
3	Gestational Exposure to Ultrafine Particles Reveals Sex- and Dose-Specific Changes in Offspring Birth Outcomes, Placental Morphology, and Gene Networks. <i>Toxicological Sciences</i> , <b>2021</b> , 184, 204-213	4.4	1
2	Chromatin alterations during the epididymal maturation of mouse sperm refine the paternally inherited epigenome.. <i>Epigenetics and Chromatin</i> , <b>2022</b> , 15, 2	5.8	0
1	Context is King  Questioning the causal role of DNA methylation in environmentally induced changes in gene expression. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 14, 46-51	4.4	