

# Michael D Collins

## List of Publications by Year in descending order

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30  
papers

1,107  
citations

623734

14  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

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times ranked

1117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular S-Adenosylhomocysteine Concentrations Predict Global DNA Hypomethylation in Tissues of Methyl-Deficient Cystathionine $\beta$ -Synthase Heterozygous Mice. <i>Journal of Nutrition</i> , 2001, 131, 2811-2818.	2.9	271
2	Teratology of Retinoids. <i>Annual Review of Pharmacology and Toxicology</i> , 1999, 39, 399-430.	9.4	265
3	Endogenous Status of Retinoids and Their Cytosolic Binding Proteins in Limb Buds of Chick vs Mouse Embryos. <i>Developmental Biology</i> , 1994, 165, 397-409.	2.0	65
4	Strain differences in the teratogenicity induced by sodium valproate in cultured mouse embryos. <i>Teratology</i> , 1988, 38, 87-96.	1.6	64
5	Retinoid-Induced Limb Malformations. <i>Current Pharmaceutical Design</i> , 2004, 10, 2657-2699.	1.9	53
6	The high sensitivity of the rabbit to the teratogenic effects of 13-cis-retinoic acid (isotretinoin) is a consequence of prolonged exposure of the embryo to 13-cis-retinoic acid and 13-cis-4-oxo-retinoic acid, and not of isomerization to all-trans-retinoic acid. <i>Archives of Toxicology</i> , 1994, 68, 119-128.	4.2	46
7	Embryotoxic Doses of Vitamin A to Rabbits Result in Low Plasma but High Embryonic Concentrations of All-trans-Retinoic Acid: Risk of Vitamin A Exposure in Humans. <i>Journal of Nutrition</i> , 1996, 126, 2159-2171.	2.9	34
8	Ethanol-induced limb defects in mice: Effect of strain and Ro 15-4513. <i>Teratology</i> , 1990, 41, 453-462.	1.6	32
9	The effect of administration time on malformations induced by three anticonvulsant agents in C57BL/6J mice with emphasis on forelimb ectrodactyly. <i>Teratology</i> , 1991, 44, 617-627.	1.6	32
10	Identification of a Murine Locus Conveying Susceptibility to Cadmium-Induced Forelimb Malformations. <i>Genomics</i> , 2000, 63, 193-201.	2.9	31
11	Pax3 and the Splotch Mutations: Structure, Function, and Relationship to Teratogenesis, Including Gene-Chemical Interactions. <i>Current Pharmaceutical Design</i> , 2001, 7, 751-785.	1.9	27
12	Induction of postaxial forelimb ectrodactyly with anticonvulsant agents in A/J mice. <i>Teratology</i> , 1990, 41, 61-70.	1.6	17
13	Cocaine-induced embryonic cardiovascular disruption in mice. <i>Teratology</i> , 1994, 49, 182-191.	1.6	17
14	Murine teratology and pharmacokinetics of the enantiomers of sodium 2-ethylhexanoate. <i>Toxicology and Applied Pharmacology</i> , 1992, 112, 257-265.	2.8	16
15	Differential perturbation of the Fgf/Erk1/2 and Shh pathways in the C57BL/6N and SWV embryonic limb buds after mid-gestational cadmium chloride administration. <i>Molecular Genetics and Metabolism</i> , 2007, 92, 258-270.	1.1	15
16	Effect of arsenite, maternal age, and embryonic sex on spina bifida, exencephaly, and resorption rates in the splotch mouse. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2003, 67, 231-239.	1.6	13
17	Proteomic analysis to characterize differential mouse strain sensitivity to cadmium-induced forelimb teratogenesis. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2008, 82, 187-199.	1.6	13
18	Interactive effects of cadmium and all-trans-retinoic acid on the induction of forelimb ectrodactyly in C57BL/6 mice. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2006, 76, 19-28.	1.6	12

#	ARTICLE	IF	CITATIONS
19	A Gene(s) for All-trans-Retinoic Acid-Induced Forelimb Defects Mapped and Confirmed to Murine Chromosome 11. <i>Genetics</i> , 2005, 170, 345-353.	2.9	11
20	Altered localization of gene expression in both ectoderm and mesoderm is associated with a murine strain difference in retinoic acid-induced forelimb ectrodactyly. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2007, 79, 465-482.	1.6	11
21	Comparative molecular pathology of cadmium- and all-trans-retinoic acid-induced postaxial forelimb ectrodactyly. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 47-60.	2.8	11
22	All-trans retinoic acid-induced ectopic limb and caudal structures: Murine strain sensitivities and pathogenesis. <i>Developmental Dynamics</i> , 2008, 237, 1553-1564.	1.8	10
23	Estimating intracellular pH in developing rodent embryos using a computer imaging technique: Changes in embryonic pH and proliferation rates following maternal treatment with acetazolamide. <i>Teratology</i> , 1995, 52, 160-168.	1.6	9
24	Genetic and pathologic aspects of retinoic acid-induced limb malformations in the mouse. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2010, 88, 863-882.	1.6	9
25	Antagonism of Hypervitaminosis A-Induced Anterior Neural Tube Closure Defects with a Methyl-Donor Deficiency in Murine Whole-Embryo Culture. <i>Journal of Nutrition</i> , 2003, 133, 3561-3570.	2.9	8
26	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) in the practice of otolaryngology—an emerging community acquired organism?. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2003, 11, 179-183.	1.8	7
27	A model-based approach to designing developmental toxicology experiments using sea urchin embryos. <i>Archives of Toxicology</i> , 2022, 96, 919-932.	4.2	4
28	Quantification and localization of expression of the retinoic acid receptor- $\alpha$ and - $\beta$ mRNA isoforms during neurulation in mouse embryos with or without spina bifida. <i>Teratology</i> , 2002, 66, 331-343.	1.6	3
29	Sensitivity to cadmium chloride-induced forelimb ectrodactyly is independent of the p53 gene dosage in the C57BL/6J mouse. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2010, 88, 223-227.	1.6	1
30	Reactive Oxygen and Nitrogen Species in the Production of Congenital Malformations by Known Teratogenic Agents and Maternal Conditions. , 2003, , 379-406.		0