Laura E Mitchell

List of Publications by Citations

93 papers	2,850 citations	22 h-index	52 g-index
98 ext. papers	3,369 ext. citations	4.6 avg, IF	4.84 L-index

#	Paper	IF	Citations
93	De novo mutations in histone-modifying genes in congenital heart disease. *Nature*, **2013**, 498, 220-3	50.4	591
92	Frequency of 22q11 deletions in patients with conotruncal defects. *Journal of the American College of Cardiology*, **1998**, 32, 492-8	15.1	457
91	Epidemiology of neural tube defects. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2005**, 135C, 88-94	3.1	172
90	Maternal genetic effects, exerted by genes involved in homocysteine remethylation, influence the risk of spina bifida. *American Journal of Human Genetics*, **2002**, 71, 1222-6	11	121
89	The Congenital Heart Disease Genetic Network Study: rationale, design, and early results. *Circulation Research*, **2013**, 112, 698-706	15.7	104
88	Differences in exposure assignment between conception and delivery: the impact of maternal mobility. *Paediatric and Perinatal Epidemiology*, **2010**, 24, 200-8	2.7	101
87	Genetic influences on premature parturition in an Australian twin sample. *Twin Research and Human Genetics*, **2000**, 3, 80-2		89
86	Maternal exposure to ambient levels of benzene and neural tube defects among offspring: Texas, 1999-2004. *Environmental Health Perspectives*, **2011**, 119, 397-402	8.4	88
85	Transforming growth factor alpha locus and nonsyndromic cleft lip with or without cleft palate: a reappraisal. *Genetic Epidemiology*, **1997**, 14, 231-40	2.6	82
84	22q11.2 deletions in patients with conotruncal defects: data from 1,610 consecutive cases. *Pediatric Cardiology*, **2013**, 34, 1687-94	2.1	72
83	Proportion of neural tube defects attributable to known risk factors. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2013**, 97, 42-6		66
82	Variants of folate metabolism genes and the risk of conotruncal cardiac defects. *Circulation: Cardiovascular Genetics*, **2008**, 1, 126-32		57
81	Maternal Hypertension During Pregnancy and the Risk of Congenital Heart Defects in Offspring: A Systematic Review and Meta-analysis. *Pediatric Cardiology*, **2015**, 36, 1442-51	2.1	51
80	Maternal occupational exposure to polycyclic aromatic hydrocarbons: effects on gastroschisis among offspring in the National Birth Defects Prevention Study. *Environmental Health Perspectives*, **2012**, 120, 910-5	8.4	49
79	The Congenital Heart Disease Genetic Network Study: Cohort description. *PLoS ONE*, **2018**, 13, e0191319	3.7	43
78	Traffic-related air pollution and the incidence of childhood central nervous system tumors: Texas, 2001-2009. *Pediatric Blood and Cancer*, **2015**, 62, 1572-8	3	39
77	Diabetes and obesity-related genes and the risk of neural tube defects in the national birth defects prevention study. *American Journal of Epidemiology*, **2012**, 176, 1101-9	3.8	37

76	The human T locus and spina bifida risk. *Human Genetics*, **2004**, 115, 475-82	6.3	24
75	Evaluation of offspring and maternal genetic effects on disease risk using a family-based approach: the "pent" design. *American Journal of Epidemiology*, **2005**, 162, 676-85	3.8	24
74	Complete Sequence of the 22q11.2 Allele in 1,053 Subjects with 22q11.2 Deletion Syndrome Reveals Modifiers of Conotruncal Heart Defects. *American Journal of Human Genetics*, **2020**, 106, 26-40	11	24
73	Gene-gene interactions in the folate metabolic pathway and the risk of conotruncal heart defects. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 630940		23
72	Genome-Wide Association Studies and Meta-Analyses for Congenital Heart Defects. *Circulation: Cardiovascular Genetics*, **2017**, 10, e001449		22
71	Hispanic ethnicity and acculturation, maternal age and the risk of gastroschisis in the National Birth Defects Prevention Study. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2013**, 97, 538-45		21
70	Epidemiology of nonsyndromic conotruncal heart defects in Texas, 1999-2004. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 971-9		21
69	Maternal-fetal metabolic gene-gene interactions and risk of neural tube defects. *Molecular Genetics and Metabolism*, **2014**, 111, 46-51	3.7	20
68	Genome-wide association study of maternal and inherited loci for conotruncal heart defects. *PLoS ONE*, **2014**, 9, e96057	3.7	20
67	Genome-wide association study of maternal and inherited effects on left-sided cardiac malformations. *Human Molecular Genetics*, **2015**, 24, 265-73	5.6	18
66	Epidemiology of anophthalmia and microphthalmia: Prevalence and patterns in Texas, 1999-2009. *American Journal of Medical Genetics, Part A*, **2018**, 176, 1810-1818	2.5	18
65	Preconceptional folic acid-containing supplement use in the National Birth Defects Prevention Study. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2014**, 100, 472-82		18
64	Descriptive epidemiology of non-syndromic complete atrioventricular canal defects. *Paediatric and Perinatal Epidemiology*, **2012**, 26, 515-24	2.7	18
63	Genome-wide association studies of structural birth defects: A review and commentary. *Birth Defects Research*, **2019**, 111, 1329-1342	2.9	17
62	The TFAP2A-IRF6-GRHL3 genetic pathway is conserved in neurulation. *Human Molecular Genetics*, **2019**, 28, 1726-1737	5.6	17
61	A case-control study of maternal bathing habits and risk for birth defects in offspring. *Environmental Health*, **2013**, 12, 88	6	15
60	Genome-Wide Association Study to Find Modifiers for Tetralogy of Fallot in the 22q11.2 Deletion Syndrome Identifies Variants in the Locus on 5q14.3. *Circulation: Cardiovascular Genetics*, **2017**, 10,		14
59	White paper on the study of birth defects. *Birth Defects Research*, **2017**, 109, 180-185	2.9	13

58	Association between thyroxine levels at birth and choanal atresia or stenosis among infants in Texas, 2004-2007. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 951-4		13
57	Prevalence and patterns of choanal atresia and choanal stenosis among pregnancies in Texas, 1999-2004. *American Journal of Medical Genetics, Part A*, **2011**, 155A, 786-91	2.5	13
56	Genetic epidemiology of neural tube defects. *Journal of Pediatric Rehabilitation Medicine*, **2017**, 10, 189-194		11
55	Differences in environmental exposure assignment due to residential mobility among children with a central nervous system tumor: Texas, 1995-2009. *Journal of Exposure Science and Environmental Epidemiology*, **2017**, 27, 41-46	6.7	11
54	Maternal residential proximity to major roadways at delivery and childhood central nervous system tumors. *Environmental Research*, **2016**, 146, 315-22	7.9	10
53	First-time maltreatment in children ages 2-10 with and without specific birth defects: A population-based study. *Child Abuse and Neglect*, **2018**, 84, 53-63	4.3	10
52	Variants of folate metabolism genes and risk of left-sided cardiac defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 48-53		10
51	Estimated Maternal Pesticide Exposure from Drinking Water and Heart Defects in Offspring. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	9
50	Air toxics and birth defects: a Bayesian hierarchical approach to evaluate multiple pollutants and spina bifida. *Environmental Health*, **2015**, 14, 16	6	9
49	Exon sequencing of PAX3 and T (brachyury) in cases with spina bifida. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2013**, 97, 597-601		9
48	Evaluation of heterogeneity in the association between congenital heart defects and variants of folate metabolism genes: conotruncal and left-sided cardiac defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2011**, 91, 879-84		9
47	Polytomous logistic regression as a tool for exploring heterogeneity across birth defect subtypes: an example using anencephaly and spina bifida. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 701-5		9
46	A common ABCC2 promoter polymorphism is not a determinant of the risk of spina bifida. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2004**, 70, 396-9		9
45	Interpregnancy change in body mass index and infant outcomes in Texas: a population-based study. *BMC Pregnancy and Childbirth*, **2019**, 19, 119	3.2	8
44	Mode of delivery and mortality among neonates with gastroschisis: A population-based cohort in Texas. *Paediatric and Perinatal Epidemiology*, **2019**, 33, 204-212	2.7	8
43	Predictors of trisomy 21 in the offspring of older and younger women. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 31-5		8
42	Age of onset and effect size in genome-wide association studies. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 908-11		8
41	Working towards a risk prediction model for neural tube defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 141-6		8

40	Evaluation of family history data for Danish twins with nonsyndromic cleft lip with or without cleft palate. *American Journal of Medical Genetics Part A*, **1997**, 72, 120-1		8
39	Maternal hypertension and risk for hypospadias in offspring. *American Journal of Medical Genetics, Part A*, **2016**, 170, 3125-3132	2.5	7
38	Co-occurring defect analysis: A platform for analyzing birth defect co-occurrence in registries. *Birth Defects Research*, **2019**, 111, 1356-1364	2.9	7
37	Differences in folic acid use, prenatal care, smoking, and drinking in early pregnancy by occupation. *Preventive Medicine*, **2012**, 55, 341-345	4.3	7
36	Bariatric surgery and birth defects: A systematic literature review. *Paediatric and Perinatal Epidemiology*, **2018**, 32, 533-544	2.7	7
35	An opportunity to address the genetic causes of birth defects. *Pediatric Research*, **2017**, 81, 282-285	3.2	6
34	Spina Bifida Research Resource: study design and participant characteristics. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2008**, 82, 684-91		6
33	Folic Acid for the Prevention of Neural Tube Defects: The US Preventive Services Task Force Statement on Folic Acid Supplementation in the Era of Mandatory Folic Acid Fortification. *JAMA Pediatrics*, **2017**, 171, 217-218	8.3	5
32	Work-Related Asthma Among Certified Nurse Aides in Texas. *Workplace Health and Safety*, **2020**, 68, 491-500	2	5
31	Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects. *PLoS ONE*, **2020**, 15, e0234357	3.7	5
30	Maternal Use of Weight Loss Products and the Risk of Neural Tube Defects in Offspring: A Systematic Literature Review. *Birth Defects Research*, **2018**, 110, 48-55	2.9	5
29	Gene-based genome-wide association studies and meta-analyses of conotruncal heart defects. *PLoS ONE*, **2019**, 14, e0219926	3.7	5
28	MI-GWAS: a SAS platform for the analysis of inherited and maternal genetic effects in genome-wide association studies using log-linear models. *BMC Bioinformatics*, **2011**, 12, 117	3.6	5
27	The association of elevated maternal genetic risk scores for hypertension, type 2 diabetes and obesity and having a child with a congenital heart defect. *PLoS ONE*, **2019**, 14, e0216477	3.7	4
26	Birth defects that co-occur with non-syndromic gastroschisis and omphalocele. *American Journal of Medical Genetics, Part A*, **2020**, 182, 2581-2593	2.5	4
25	Genetic variants of HIF1□are associated with right ventricular fibrotic load in repaired tetralogy of Fallot patients: a cardiovascular magnetic resonance study. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 51	6.9	3
24	Association of interpregnancy change in body mass index and spina bifida. *Birth Defects Research*, **2019**, 111, 1389-1398	2.9	3
23	Maternal effect genes: Update and review of evidence for a link with birth defects.. *Human Genetics and Genomics Advances*, **2022**, 3, 100067	0.8	3

22	Change in prepregnancy body mass index and gastroschisis. *Annals of Epidemiology*, **2020**, 41, 21-27	6.4	3
21	Maternal Lactase Polymorphism (rs4988235) Is Associated with Neural Tube Defects in Offspring in the National Birth Defects Prevention Study. *Journal of Nutrition*, **2019**, 149, 295-303	4.1	2
20	Mortality by mode of delivery among infants with spina bifida in Texas. *Birth Defects Research*, **2019** , 111, 1543-1550	2.9	2
19	Microcephaly inpatient hospitalization and potential Zika outbreak in Texas: A cost and predicted economic burden analysis. *Travel Medicine and Infectious Disease*, **2019**, 30, 67-72	8.4	2
18	Maternal genetic markers for risk of celiac disease and their potential association with neural tube defects in offspring. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e688	2.3	1
17	Severe maternal morbidity at delivery and postpartum readmission in the United States. *Paediatric and Perinatal Epidemiology*, **2021**, 35, 627-634	2.7	1
16	Birth Defect Co-Occurrence Patterns Among Infants With Cleft Lip and/or Palate. *Cleft Palate-Craniofacial Journal*, **2021**, 10556656211010060	1.9	1
15	Common Variation in Cytoskeletal Genes is Associated with Conotruncal Heart Defects. *Genes*, **2021**, 12,	4.2	1
14	Exploratory analysis of ERCC2 DNA methylation in survival among pediatric medulloblastoma patients. *Cancer Epidemiology*, **2016**, 44, 161-166	2.8	1
13	Maternal Hypertension-Related Genotypes and Congenital Heart Defects. *American Journal of Hypertension*, **2021**, 34, 82-91	2.3	1
12	Patterns of co-occurring birth defects among infants with hypospadias. *Journal of Pediatric Urology*, **2021**, 17, 64.e1-64.e8	1.5	1
11	A Comprehensive Assessment of Co-occurring Birth Defects among Infants with Non-Syndromic Anophthalmia or Microphthalmia. *Ophthalmic Epidemiology*, **2021**, 28, 428-435	1.9	0
10	X-chromosome association studies of congenital heart defects. *American Journal of Medical Genetics, Part A*, **2020**, 182, 250-254	2.5	0
9	Patterns of congenital anomalies among individuals with trisomy 13 in Texas. *American Journal of Medical Genetics, Part A*, **2021**, 185, 1787-1793	2.5	0
8	Maternal effect genes as risk factors for congenital heart defects.. *Human Genetics and Genomics Advances*, **2022**, 3, 100098	0.8	0
7	Maternal occupation and the risk of neural tube defects in offspring. *Archives of Environmental and Occupational Health*, **2018**, 73, 304-312	2	
6	Neural Tube Defects **2013**, 1-21		
5	Gene-Interaction-Sensitive enrichment analysis in congenital heart disease.. *BioData Mining*, **2022**, 15, 4	4.3	

List of Publications

4 Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects **2020**, 15, e0234357

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1 Gene-based analyses of the maternal genome implicate maternal effect genes as risk factors for conotruncal heart defects **2020**, 15, e0234357