Gary M Shaw

List of Publications by Citations

460 papers	16,481 citations	67 h-index	108 g-index
502 ext. papers	19,475 ext. citations	4.5 avg, IF	6.49 L-index

#	Paper	IF	Citations
460	Temporal and spatial variation of the human microbiota during pregnancy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11060-5	11.5	581
459	Neural tube defects and folate: case far from closed. *Nature Reviews Neuroscience*, **2006**, 7, 724-31	13.5	385
458	Prepregnancy obesity as a risk factor for structural birth defects. *JAMA Pediatrics*, **2007**, 161, 745-50		341
457	Periconceptional vitamin use, dietary folate, and the occurrence of neural tube defects. *Epidemiology*, **1995**, 6, 219-26	3.1	312
456	The continuing challenge of understanding, preventing, and treating neural tube defects. *Science*, **2013**, 339, 1222002	33.3	299
455	Maternal periconceptional use of multivitamins and reduced risk for conotruncal heart defects and limb deficiencies among offspring. *American Journal of Medical Genetics Part A*, **1995**, 59, 536-45		299
454	Ambient air pollution and risk of birth defects in Southern California. *American Journal of Epidemiology*, **2002**, 155, 17-25	3.8	298
453	Periconceptional dietary intake of choline and betaine and neural tube defects in offspring. *American Journal of Epidemiology*, **2004**, 160, 102-9	3.8	274
452	Spina bifida. *Nature Reviews Disease Primers*, **2015**, 1, 15007	51.1	269
451	Risk of neural tube defect-affected pregnancies among obese women. *JAMA - Journal of the American Medical Association*, **1996**, 275, 1093-6	27.4	238
450	Prevalence of spina bifida and anencephaly during the transition to mandatory folic acid fortification in the United States. *Teratology*, **2002**, 66, 33-9		236
449	An immune clock of human pregnancy. *Science Immunology*, **2017**, 2,	28	209
448	Maternal corticosteroid use and orofacial clefts. *American Journal of Obstetrics and Gynecology*, **2007**, 197, 585.e1-7; discussion 683-4, e1-7	6.4	192
447	Maternal corticosteroid use and risk of selected congenital anomalies. *American Journal of Medical Genetics Part A*, **1999**, 86, 242-4		187
446	Replication and refinement of a vaginal microbial signature of preterm birth in two racially distinct cohorts of US women. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 9966-9971	11.5	182
445	Maternal obesity, gestational diabetes, and central nervous system birth defects. *Epidemiology*, **2005**, 16, 87-92	3.1	174
444	Racial and ethnic variations in the prevalence of orofacial clefts in California, 1983-1992. *American Journal of Medical Genetics Part A*, **1998**, 79, 42-7		162

443	Birth defects monitoring in California: a resource for epidemiological research. *Paediatric and Perinatal Epidemiology*, **1991**, 5, 423-7	2.7	147
442	Agenesis of the corpus callosum in California 1983-2003: a population-based study. *American Journal of Medical Genetics, Part A*, **2008**, 146A, 2495-500	2.5	136
441	Maternal nutrient intakes and risk of orofacial clefts. *Epidemiology*, **2006**, 17, 285-91	3.1	134
440	The National Birth Defects Prevention Study: A review of the methods. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2015**, 103, 656-69		130
439	Maternal periconceptional smoking and alcohol consumption and risk for select congenital anomalies. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2008**, 82, 519-26		129
438	Parental cigarette smoking and risk for congenital anomalies of the heart, neural tube, or limb. *Teratology*, **1996**, 53, 261-7		128
437	118 SNPs of folate-related genes and risks of spina bifida and conotruncal heart defects. *BMC Medical Genetics*, **2009**, 10, 49	2.1	124
436	Neural tube defects and maternal residential proximity to agricultural pesticide applications. *American Journal of Epidemiology*, **2006**, 163, 743-53	3.8	123
435	Maternal progestin intake and risk of hypospadias. *JAMA Pediatrics*, **2005**, 159, 957-62		119
434	Control selection and participation in an ongoing, population-based, case-control study of birth defects: the National Birth Defects Prevention Study. *American Journal of Epidemiology*, **2009**, 170, 975-85	3.8	118
433	Noninvasive blood tests for fetal development predict gestational age and preterm delivery. *Science*, **2018**, 360, 1133-1136	33.3	116
432	Orofacial clefts in the National Birth Defects Prevention Study, 1997-2004. *American Journal of Medical Genetics, Part A*, **2009**, 149A, 1149-58	2.5	111
431	Maternal periconceptional vitamin use, genetic variation of infant reduced folate carrier (A80G), and risk of spina bifida. *American Journal of Medical Genetics Part A*, **2002**, 108, 1-6		111
430	Homocysteine remethylation enzyme polymorphisms and increased risks for neural tube defects. *Molecular Genetics and Metabolism*, **2003**, 78, 216-21	3.7	111
429	Maternal Pesticide Exposure from Multiple Sources and Selected Congenital Anomalies. *Epidemiology*, **1999**, 10, 60-66	3.1	105
428	Choline and risk of neural tube defects in a folate-fortified population. *Epidemiology*, **2009**, 20, 714-9	3.1	103
427	Neural tube defects and maternal folate intake among pregnancies conceived after folic acid fortification in the United States. *American Journal of Epidemiology*, **2009**, 169, 9-17	3.8	102
426	Maternal life event stress and congenital anomalies. *Epidemiology*, **2000**, 11, 30-5	3.1	100

425	Increasing prevalence of gastroschisis: population-based study in California. *Journal of Pediatrics*, **2008**, 152, 807-11	3.6	99
424	Hypospadias in California: trends and descriptive epidemiology. *Epidemiology*, **2003**, 14, 701-6	3.1	97
423	Infant C677T mutation in MTHFR, maternal periconceptional vitamin use, and cleft lip. *American Journal of Medical Genetics Part A*, **1998**, 80, 196-8		96
422	Maternal smoking and the risk of orofacial clefts: Susceptibility with NAT1 and NAT2 polymorphisms. *Epidemiology*, **2004**, 15, 150-6	3.1	95
421	Hospital variation and risk factors for bronchopulmonary dysplasia in a population-based cohort. *JAMA Pediatrics*, **2015**, 169, e143676	8.3	94
420	Numerous uncharacterized and highly divergent microbes which colonize humans are revealed by circulating cell-free DNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 9623-9628	11.5	94
419	Prevalence of spina bifida among children and adolescents in 10 regions in the United States. *Pediatrics*, **2010**, 126, 274-9	7.4	93
418	Schizencephaly: heterogeneous etiologies in a population of 4 million California births. *American Journal of Medical Genetics, Part A*, **2005**, 137, 181-9	2.5	92
417	Residential agricultural pesticide exposures and risk of neural tube defects and orofacial clefts among offspring in the San Joaquin Valley of California. *American Journal of Epidemiology*, **2014**, 179, 740-8	3.8	91
416	Epidemiologic characteristics of phenotypically distinct neural tube defects among 0.7 million California births, 1983-1987. *Teratology*, **1994**, 49, 143-9		91
415	Maternal periconceptional alcohol consumption and risk for orofacial clefts. *Journal of Pediatrics*, **1999**, 134, 298-303	3.6	90
414	Array comparative genomic hybridization in patients with congenital diaphragmatic hernia: mapping of four CDH-critical regions and sequencing of candidate genes at 15q26.1-15q26.2. *European Journal of Human Genetics*, **2006**, 14, 999-1008	5.3	89
413	Neural tube defects associated with maternal periconceptional dietary intake of simple sugars and glycemic index. *American Journal of Clinical Nutrition*, **2003**, 78, 972-8	7	89
412	Maternal exposure to nitrate from drinking water and diet and risk for neural tube defects. *American Journal of Epidemiology*, **2001**, 153, 325-31	3.8	89
411	Maternal food insecurity is associated with increased risk of certain birth defects. *Journal of Nutrition*, **2007**, 137, 2087-92	4.1	87
410	Cross-Country Individual Participant Analysis of 4.1 Million Singleton Births in 5 Countries with Very High Human Development Index Confirms Known Associations but Provides No Biologic Explanation for 2/3 of All Preterm Births. *PLoS ONE*, **2016**, 11, e0162506	3.7	86
409	Environmental and genetic contributors to hypospadias: a review of the epidemiologic evidence. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 499-510		84
408	Epidemiologic characteristics of congenital diaphragmatic hernia among 2.5 million California births, 1989-1997. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2006**, 76, 170-4		84

407	Epidemiologic characteristics of anotia and microtia in California, 1989-1997. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2004**, 70, 472-5		84
406	Maternal stressful life events and risks of birth defects. *Epidemiology*, **2007**, 18, 356-61	3.1	82
405	Ambient air pollution and traffic exposures and congenital heart defects in the San Joaquin Valley of California. *Paediatric and Perinatal Epidemiology*, **2013**, 27, 329-39	2.7	81
404	Maternal prepregnancy body mass index and risk of spontaneous preterm birth. *Paediatric and Perinatal Epidemiology*, **2014**, 28, 302-11	2.7	80
403	A genome-wide association study (GWAS) for bronchopulmonary dysplasia. *Pediatrics*, **2013**, 132, 290-7	7.4	80
402	Isolated oral cleft malformations: associations with maternal and infant characteristics in a California population. *Teratology*, **1991**, 43, 225-8		79
401	Corticosteroid use and risk of orofacial clefts. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2014**, 100, 499-506		78
400	The association of ambient air pollution and traffic exposures with selected congenital anomalies in the San Joaquin Valley of California. *American Journal of Epidemiology*, **2013**, 177, 1074-85	3.8	77
399	Improved survival among children with spina bifida in the United States. *Journal of Pediatrics*, **2012**, 161, 1132-7	3.6	75
398	Late detection of critical congenital heart disease among US infants: estimation of the potential impact of proposed universal screening using pulse oximetry. *JAMA Pediatrics*, **2014**, 168, 361-70	8.3	73
397	Metagenomic analysis with strain-level resolution reveals fine-scale variation in the human pregnancy microbiome. *Genome Research*, **2018**, 28, 1467-1480	9.7	73
396	Folic acid in early pregnancy: a public health success story. *FASEB Journal*, **2010**, 24, 4167-74	0.9	72
395	Association of paternal age with perinatal outcomes between 2007 and 2016 in the United States: population based cohort study. *BMJ, The*, **2018**, 363, k4372	5.9	72
394	Maternal exposure to criteria air pollutants and congenital heart defects in offspring: results from the national birth defects prevention study. *Environmental Health Perspectives*, **2014**, 122, 863-72	8.4	67
393	Maternal periconceptional vitamins: interactions with selected factors and congenital anomalies?. *Epidemiology*, **2002**, 13, 625-30	3.1	66
392	Risk of selected structural abnormalities in infants after increased nuchal translucency measurement. *American Journal of Obstetrics and Gynecology*, **2014**, 211, 675.e1-19	6.4	64
391	Fetal constraint as a potential risk factor for craniosynostosis. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 394-400	2.5	64
390	Residential agricultural pesticide exposures and risk of selected congenital heart defects among offspring in the San Joaquin Valley of California. *Environmental Research*, **2014**, 135, 133-8	7.9	63

389	Traffic-related air pollution and risk of preterm birth in the San Joaquin Valley of California. *Annals of Epidemiology*, **2014**, 24, 888-95e4	6.4	62
388	Selected gene polymorphisms and their interaction with maternal smoking, as risk factors for gastroschisis. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2006**, 76, 723-30		62
387	Genetic variation of infant reduced folate carrier (A80G) and risk of orofacial and conotruncal heart defects. *American Journal of Epidemiology*, **2003**, 158, 747-52	3.8	62
386	Maternal smoking, genetic variation of glutathione s-transferases, and risk for orofacial clefts. *Epidemiology*, **2005**, 16, 698-701	3.1	62
385	Reporting and selection bias in case-control studies of congenital malformations. *Epidemiology*, **1992**, 3, 356-63	3.1	61
384	Reduced risks of neural tube defects and orofacial clefts with higher diet quality. *JAMA Pediatrics*, **2012**, 166, 121-6		60
383	Epidemiologic characteristics of anophthalmia and bilateral microphthalmia among 2.5 million births in California, 1989-1997. *American Journal of Medical Genetics, Part A*, **2005**, 137, 36-40	2.5	60
382	Dieting behaviors and risk of neural tube defects. *American Journal of Epidemiology*, **2003**, 158, 1127-31	3.8	59
381	Lack of association between mutations in the folate receptor-gene and spina bifida **1998**, 76, 310-317		58
380	Risks of human conotruncal heart defects associated with 32 single nucleotide polymorphisms of selected cardiovascular disease-related genes. *American Journal of Medical Genetics, Part A*, **2005**, 138, 21-6	2.5	57
379	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. *Bioinformatics*, **2019**, 35, 95-103	7.2	54
378	Exome Sequencing of Neonatal Blood Spots and the Identification of Genes Implicated in Bronchopulmonary Dysplasia. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 192, 589-96	18.2	54
377	Is dietary intake of methionine associated with a reduction in risk for neural tube defect-affected pregnancies?. *Teratology*, **1997**, 56, 295-9		53
376	Defective sumoylation pathway directs congenital heart disease. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2011**, 91, 468-76		52
375	Anencephaly and spina bifida among Hispanics: maternal, sociodemographic, and acculturation factors in the National Birth Defects Prevention Study. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2009**, 85, 637-46		52
374	Integration of DNA sample collection into a multi-site birth defects case-control study. *Teratology*, **2002**, 66, 177-84		52
373	Recurrence of Preterm Birth and Early Term Birth. *Obstetrics and Gynecology*, **2016**, 128, 364-372	4.9	51
372	Exposure to airborne polycyclic aromatic hydrocarbons during pregnancy and risk of preterm birth. *Environmental Research*, **2014**, 135, 221-6	7.9	50

371	VAX1 mutation associated with microphthalmia, corpus callosum agenesis, and orofacial clefting: the first description of a VAX1 phenotype in humans. *Human Mutation*, **2012**, 33, 364-8	4.7	49
370	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
369	Bayesian methods for correcting misclassification: an example from birth defects epidemiology. *Epidemiology*, **2009**, 20, 27-35	3.1	49
368	Gene-nutrient interactions: importance of folates and retinoids during early embryogenesis. *Toxicology and Applied Pharmacology*, **2004**, 198, 75-85	4.6	49
367	Periconceptional multivitamin intake during early pregnancy, genetic variation of acetyl-N-transferase 1 (NAT1), and risk for orofacial clefts. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2004**, 70, 846-52		49
366	Maternal reproductive and demographic characteristics as risk factors for hypospadias. *Paediatric and Perinatal Epidemiology*, **2007**, 21, 210-8	2.7	48
365	Socio-economic status and risk of conotruncal heart defects and orofacial clefts. *Paediatric and Perinatal Epidemiology*, **2003**, 17, 264-71	2.7	48
364	A proteomic clock of human pregnancy. *American Journal of Obstetrics and Gynecology*, **2018**, 218, 347.e1-347.e14	6.4	47
363	Identification of novel CELSR1 mutations in spina bifida. *PLoS ONE*, **2014**, 9, e92207	3.7	47
362	Autoantibodies to folate receptor during pregnancy and neural tube defect risk. *Journal of Reproductive Immunology*, **2008**, 79, 85-92	4.2	47
361	Candidate gene polymorphisms do not differ between newborns with stroke and normal controls. *Stroke*, **2006**, 37, 2678-83	6.7	47
360	Prepregnancy obesity: a complex risk factor for selected birth defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 804-10		46
359	Maternal occupational chemical exposures and biotransformation genotypes as risk factors for selected congenital anomalies. *American Journal of Epidemiology*, **2003**, 157, 475-84	3.8	46
358	Occurrence of low birthweight and preterm delivery among California infants before and after compulsory food fortification with folic acid. *Public Health Reports*, **2004**, 119, 170-3	2.5	46
357	Endothelial nitric oxide synthase (NOS3) genetic variants, maternal smoking, vitamin use, and risk of human orofacial clefts. *American Journal of Epidemiology*, **2005**, 162, 1207-14	3.8	46
356	Maternal and infant gene-folate interactions and the risk of neural tube defects. *American Journal of Medical Genetics, Part A*, **2012**, 158A, 2439-46	2.5	45
355	Are the betaine-homocysteine methyltransferase (BHMT and BHMT2) genes risk factors for spina bifida and orofacial clefts?. *American Journal of Medical Genetics, Part A*, **2005**, 135, 274-7	2.5	45
354	Neural tube defects and maternal intake of micronutrients related to one-carbon metabolism or antioxidant activity. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 864-74		44

353	Hypospadias and halogenated organic pollutant levels in maternal mid-pregnancy serum samples. *Chemosphere*, **2010**, 80, 641-6	8.4	44
352	Chromosomal abnormalities among children born with conotruncal cardiac defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2009**, 85, 30-5		44
351	Differential risks to males and females for congenital malformations among 2.5 million California births, 1989-1997. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2003**, 67, 953-8		44
350	Mutations in planar cell polarity gene SCRIB are associated with spina bifida. *PLoS ONE*, **2013**, 8, e69262	3.7	43
349	Cancer in children with nonchromosomal birth defects. *Journal of Pediatrics*, **2012**, 160, 978-83	3.6	42
348	Genetic basis of susceptibility to environmentally induced neural tube defects. *Annals of the New York Academy of Sciences*, **2000**, 919, 261-77	6.5	42
347	Progress in understanding the genetics of bronchopulmonary dysplasia. *Seminars in Perinatology*, **2013**, 37, 85-93	3.3	41
346	Associations between polymorphisms within the thymidylate synthase gene and spina bifida. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2003**, 67, 924-8		41
345	Infant TGF-alpha genotype, orofacial clefts, and maternal periconceptional multivitamin use. *Cleft Palate-Craniofacial Journal*, **1998**, 35, 366-70	1.9	41
344	Mid-pregnancy cotinine and risks of orofacial clefts and neural tube defects. *Journal of Pediatrics*, **2009**, 154, 17-9	3.6	40
343	Periconceptional nutrient intakes and risks of neural tube defects in California. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 670-8		40
342	Analysis of selected maternal exposures and non-syndromic atrioventricular septal defects in the National Birth Defects Prevention Study, 1997-2005. *American Journal of Medical Genetics, Part A*, **2012**, 158A, 2447-55	2.5	39
341	Comprehensive EMX2 genotyping of a large schizencephaly case series. *American Journal of Medical Genetics, Part A*, **2007**, 143A, 1313-6	2.5	39
340	Craniosynostosis and maternal smoking. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2008**, 82, 78-85		39
339	Hypospadias and residential proximity to pesticide applications. *Pediatrics*, **2013**, 132, e1216-26	7.4	38
338	Substantial Cardiovascular Morbidity in Adults With Lower-Complexity Congenital Heart Disease. *Circulation*, **2019**, 139, 1889-1899	16.7	37
337	Investigation of maternal environmental exposures in association with self-reported preterm birth. *Reproductive Toxicology*, **2014**, 45, 1-7	3.4	37
336	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

335	Maternal occupational exposure to polycyclic aromatic hydrocarbons and risk of neural tube defect-affected pregnancies. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 693-700		37
334	Maternal Midpregnancy Glucose Levels and Risk of Congenital Heart Disease in Offspring. *JAMA Pediatrics*, **2015**, 169, 1112-6	8.3	36
333	Neural tube defects: an analysis of neighbourhood- and individual-level socio-economic characteristics. *Paediatric and Perinatal Epidemiology*, **2009**, 23, 116-24	2.7	36
332	Nutrient intakes in women and congenital diaphragmatic hernia in their offspring. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2008**, 82, 131-8		36
331	Congenital malformations in births with orofacial clefts among 3.6 million California births, 1983-1997. *American Journal of Medical Genetics Part A*, **2004**, 125A, 250-6		35
330	Diet quality and risk of neural tube defects. *Medical Hypotheses*, **2003**, 60, 351-5	3.8	35
329	Spina bifida phenotypes in infants or fetuses of obese mothers. *Teratology*, **2000**, 61, 376-81		35
328	Association of early-preterm birth with abnormal levels of routinely collected first- and second-trimester biomarkers. *American Journal of Obstetrics and Gynecology*, **2013**, 208, 492.e1-11	6.4	34
327	Gastroschisis: a gene-environment model involving the VEGF-NOS3 pathway. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2008**, 148C, 213-8	3.1	34
326	Analysis of the EPHX1 113 polymorphism and GSTM1 homozygous null polymorphism and oral clefting associated with maternal smoking. *American Journal of Medical Genetics Part A*, **2001**, 102, 21-4		34
325	Spina bifida subtypes and sub-phenotypes by maternal race/ethnicity in the National Birth Defects Prevention Study. *American Journal of Medical Genetics, Part A*, **2012**, 158A, 109-15	2.5	33
324	Patterns of tobacco exposure before and during pregnancy. *Acta Obstetricia Et Gynecologica Scandinavica*, **2010**, 89, 505-514	3.8	33
323	Simultaneously Monitoring Immune Response and Microbial Infections during Pregnancy through Plasma cfRNA Sequencing. *Clinical Chemistry*, **2017**, 63, 1695-1704	5.5	32
322	Maternal dietary nutrient intake and risk of preterm delivery. *American Journal of Perinatology*, **2013**, 30, 579-88	3.3	32
321	Prepregnant obesity and risks of selected birth defects in offspring. *Epidemiology*, **2008**, 19, 616-20	3.1	32
320	Maternal periconceptional alcohol consumption and risk for conotruncal heart defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2003**, 67, 875-8		32
319	Prenatal exposure to air pollution, maternal diabetes and preterm birth. *Environmental Research*, **2019**, 170, 160-167	7.9	32
318	Rare LRP6 variants identified in spina bifida patients. *Human Mutation*, **2015**, 36, 342-9	4.7	31

317	Maternal factors associated with the occurrence of gastroschisis. *American Journal of Medical Genetics, Part A*, **2015**, 167, 1534-41	2.5	31
316	Implementing Mass Cytometry at the Bedside to Study the Immunological Basis of Human Diseases: Distinctive Immune Features in Patients with a History of Term or Preterm Birth. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2015**, 87, 817-29	4.6	30
315	Planar cell polarity pathway genes and risk for spina bifida. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 299-304	2.5	30
314	Periconceptional Nutrient Intake and Risk for Neural Tube Defect-Affected Pregnancies. *Epidemiology*, **1999**, 10, 711-716	3.1	30
313	Does periconceptional multivitamin use reduce the risk of neural tube defects associated with other birth defects? data from two population-based case-control studies. *American Journal of Medical Genetics Part A*, **1996**, 61, 30-6		30
312	Genetic epidemiology and nonsyndromic structural birth defects: from candidate genes to epigenetics. *JAMA Pediatrics*, **2014**, 168, 371-7	8.3	29
311	A maternally inherited chromosome 18q22.1 deletion in a male with late-presenting diaphragmatic hernia and microphthalmia-evaluation of DSEL as a candidate gene for the diaphragmatic defect. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 916-23	2.5	29
310	Congenital malformations in offspring of Hispanic and African-American women in California, 1989-1997. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2004**, 70, 382-8		29
309	Infant TGF-Alpha Genotype, Orofacial Clefts, and Maternal Periconceptional Multivitamin Use. *Cleft Palate-Craniofacial Journal*, **1998**, 35, 366-370	1.9	29
308	Novel mutations in PXDN cause microphthalmia and anterior segment dysgenesis. *European Journal of Human Genetics*, **2015**, 23, 337-41	5.3	28
307	Maternal occupational exposure to polycyclic aromatic hydrocarbons and congenital heart defects among offspring in the national birth defects prevention study. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2012**, 94, 875-81		28
306	Low birth weight, preterm delivery, and periconceptional vitamin use. *Journal of Pediatrics*, **1997**, 130, 1013-4	3.6	28
305	Energy and nutrient intakes and health practices of Latinas and white non-Latinas in the 3 months before pregnancy. *Journal of the American Dietetic Association*, **1998**, 98, 876-84		28
304	Risk of mental retardation among children born with birth defects. *JAMA Pediatrics*, **2003**, 157, 545-50		28
303	Maternal vitamin use, infant C677T mutation in MTHFR, and isolated cleft palate risk **1999**, 85, 84-85		28
302	Maternal occupational exposure to polycyclic aromatic hydrocarbons and small for gestational age offspring. *Occupational and Environmental Medicine*, **2014**, 71, 529-35	2.1	27
301	Evaluation of infant methylenetetrahydrofolate reductase genotype, maternal vitamin use, and risk of high versus low level spina bifida defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2003**, 67, 154-7		27
300	Maternal ambient heat exposure during early pregnancy in summer and spring and congenital heart defects - A large US population-based, case-control study. *Environment International*, **2018**, 118, 211-221	12.9	26

299	Promoter haplotype combinations for the human PDGFRA gene are associated with risk of neural tube defects. *Molecular Genetics and Metabolism*, **2004**, 81, 127-32	3.7	26
298	Hypospadias and maternal exposures to cigarette smoke. *Paediatric and Perinatal Epidemiology*, **2005**, 19, 406-12	2.7	26
297	Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia. *Frontiers in Immunology*, **2019**, 10, 1305	8.4	25
296	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. *Journal of Immunology*, **2016**, 197, 4482-4492	5.3	25
295	Nested case-control study of one-carbon metabolites in mid-pregnancy and risks of cleft lip with and without cleft palate. *Pediatric Research*, **2009**, 66, 501-6	3.2	25
294	Examination of FGFRL1 as a candidate gene for diaphragmatic defects at chromosome 4p16.3 shows that Fgfrl1 null mice have reduced expression of Tpm3, sarcomere genes and Lrtm1 in the diaphragm. *Human Genetics*, **2010**, 127, 325-36	6.3	25
293	Craniosynostosis and nutrient intake during pregnancy. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 1032-9		25
292	CHKA and PCYT1A gene polymorphisms, choline intake and spina bifida risk in a California population. *BMC Medicine*, **2006**, 4, 36	11.4	25
291	Understanding the increased risk of neural tube defect-affected pregnancies among Mexico-born women in California: immigration and anthropometric factors. *Paediatric and Perinatal Epidemiology* , **2006**, 20, 219-30	2.7	25
290	Fertility treatments and craniosynostosis: California, Georgia, and Iowa, 1993-1997. *Pediatrics*, **2003** , 111, 1163-6	7.4	25
289	Multiomic immune clockworks of pregnancy. *Seminars in Immunopathology*, **2020**, 42, 397-412	12	24
288	Traffic-related air pollution and selected birth defects in the San Joaquin Valley of California. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2013**, 97, 730-5		24
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12	Prediction of gestational age using urinary metabolites in term and preterm pregnancies.. *Scientific Reports*, **2022**, 12, 8033	4.9	0

List of Publications

11	An Electronic Health Record Investigation of Lenticulostriate Vasculopathy Features. *American Journal of Perinatology*, **2017**, 34, 253-258	3.3
10	The association of maternal lymphatic markers and critical congenital heart defects in the fetus-A population based case-control study. *American Journal of Medical Genetics, Part A*, **2017**, 173, 1231-1236	2.5
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4	Defining critical factors in multi-country studies of assisted reproductive technologies (ART): data from the US and UK health systems. *Journal of Assisted Reproduction and Genetics*, **2020**, 37, 2767-2775	3.4
3	Effects of Selective Exclusion of Patients on Preterm Birth Test Performance. *Obstetrics and Gynecology*, **2020**, 135, 1228-1229	4.9
2	Remembering Edward J. Lammer, MD. *American Journal of Medical Genetics, Part A*, **2016**, 170, 2767-2768	2.5
1	Leukocyte telomere dynamics across gestation in uncomplicated pregnancies and associations with stress.. *BMC Pregnancy and Childbirth*, **2022**, 22, 381	3.2