

# Lewis B Holmes

## List of Publications by Year in descending order

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154  
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8,314  
citations

61984  
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49909  
87  
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162  
all docs

162  
docs citations

162  
times ranked

5362  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Teratogenicity of Anticonvulsant Drugs. New England Journal of Medicine, 2001, 344, 1132-1138.	27.0	612
2	Mutations in human TBX3 alter limb, apocrine and genital development in ulnar-mammary syndrome. Nature Genetics, 1997, 16, 311-315.	21.4	511
3	Guidelines for case classification for the national birth defects prevention study. Birth Defects Research Part A: Clinical and Molecular Teratology, 2003, 67, 193-201.	1.6	501
4	Diagnostic criteria for Walker-Warburg syndrome. American Journal of Medical Genetics Part A, 1989, 32, 195-210.	2.4	439
5	Lack of Relation of Increased Malformation Rates in Infants of Diabetic Mothers to Glycemic Control during Organogenesis. New England Journal of Medicine, 1988, 318, 671-676.	27.0	360
6	Antidepressant Use in Pregnancy and the Risk of Cardiac Defects. New England Journal of Medicine, 2014, 370, 2397-2407.	27.0	296
7	The Incidence and Significance of Birthmarks in a Cohort of 4,641 Newborns. Pediatric Dermatology, 1983, 1, 58-68.	0.9	278
8	Malformations Due to Presumed Spontaneous Mutations in Newborn Infants. New England Journal of Medicine, 1989, 320, 19-23.	27.0	268
9	Etiologic Heterogeneity of Neural-Tube Defects. New England Journal of Medicine, 1976, 294, 365-369.	27.0	232
10	Congenital abnormalities in Brazilian children associated with misoprostol misuse in first trimester of pregnancy. Lancet, The, 1998, 351, 1624-1627.	13.7	225
11	The AED (Antiepileptic Drug) Pregnancy Registry. Archives of Neurology, 2004, 61, 673.	4.5	215
12	Predictive value of minor anomalies. I. Association with major malformations. Journal of Pediatrics, 1987, 110, 531-537.	1.8	194
13	Familial Nature of Congenital Absence and Severe Dysgenesis of Both Kidneys. New England Journal of Medicine, 1984, 310, 1341-1345.	27.0	183
14	Birthmarks with serious medical significance: Nevocellular nevi, sebaceous nevi, and multiple café au lait spots. Journal of Pediatrics, 1979, 95, 696-700.	1.8	161
15	Fetal Effects of Anticonvulsant Polytherapies. Archives of Neurology, 2011, 68, 1275.	4.5	158
16	The effects of prenatal exposure to phenytoin and other anticonvulsants on intellectual function at 4 to 8 years of age. Neurotoxicology and Teratology, 1992, 14, 329-335.	2.4	116
17	Laterality defects in conjoined twins. Nature, 1996, 384, 321-321.	27.8	116
18	Use of Antiepileptic Medications in Pregnancy in Relation to Risks of Birth Defects. Annals of Epidemiology, 2011, 21, 842-850.	1.9	113

#	ARTICLE	IF	CITATIONS
19	Epidemiology of osteochondrodysplasias: Changing trends due to advances in prenatal diagnosis. American Journal of Medical Genetics Part A, 1996, 61, 49-58.	2.4	100
20	Teratogen-induced limb defects. American Journal of Medical Genetics Part A, 2002, 112, 297-303.	2.4	100
21	Teratogen update: Bendectin. Teratology, 1983, 27, 277-281.	1.6	91
22	Under-recognition of prenatal alcohol effects in infants of known alcohol abusing women. Journal of Pediatrics, 1999, 135, 430-436.	1.8	87
23	Infants with Bochdalek diaphragmatic hernia: Sibling precurrence and monozygotic twin discordance in a hospital-based malformation surveillance program. American Journal of Medical Genetics, Part A, 2005, 138A, 81-88.	1.2	87
24	Clinical and basic science lessons from the thalidomide tragedy: What have we learned about the causes of limb defects?. Teratology, 1988, 38, 241-251.	1.6	84
25	Pregnancy registries: Differences, similarities, and possible harmonization. Epilepsia, 2010, 51, 909-915.	5.1	84
26	Smoking and pregnancy. Teratology, 1985, 32, 473-481.	1.6	83
27	Efficacy and safety of dolutegravir with emtricitabine and tenofovir alafenamide fumarate or tenofovir disoproxil fumarate, and efavirenz, emtricitabine, and tenofovir disoproxil fumarate HIV antiretroviral therapy regimens started in pregnancy (IMPAACT 2010/VESTED): a multicentre, open-label, randomised, controlled, phase 3 trial. Lancet, The, 2021, 397, 1276-1292.	13.7	82
28	Anatomic and etiological classification of congenital limb deficiencies. American Journal of Medical Genetics, Part A, 2011, 155, 1225-1235.	1.2	77
29	Trends in Congenital Malformations, 1974-1999: Effect of Prenatal Diagnosis and Elective Termination. Obstetrics and Gynecology, 2004, 104, 957-964.	2.4	73
30	Genital abnormalities in females with Bardet-Biedl syndrome. American Journal of Medical Genetics Part A, 1995, 55, 276-278.	2.4	70
31	Intelligence and physical features of children of women with epilepsy. , 2000, 61, 196-202.		70
32	Clonazepam use in pregnancy and the risk of malformations. Birth Defects Research Part A: Clinical and Molecular Teratology, 2004, 70, 534-536.	1.6	66
33	Fetal growth and premature delivery in pregnant women on antiepileptic drugs. Annals of Neurology, 2017, 82, 457-465.	5.3	65
34	Nonenzymatic hydroxylations of proline and lysine by reduced oxygen derivatives. Nature, 1981, 289, 310-312.	27.8	61
35	Association Between Topiramate and Zonisamide Use During Pregnancy and Low Birth Weight. Obstetrics and Gynecology, 2014, 123, 21-28.	2.4	61
36	Phenotypic overlap of the BBB and G syndromes. American Journal of Medical Genetics Part A, 1978, 2, 145-152.	2.4	59

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37	Is antenatal vitamin K prophylaxis needed for pregnant women taking anticonvulsants?. American Journal of Obstetrics and Gynecology, 2004, 190, 882-883.	1.3	57
38	Behavioral outcomes in children exposed prenatally to lamotrigine, valproate, or carbamazepine. Neurotoxicology and Teratology, 2016, 54, 5-14.	2.4	56
39	Newer anticonvulsants: Lamotrigine, topiramate and gabapentin. Birth Defects Research Part A: Clinical and Molecular Teratology, 2012, 94, 599-606.	1.6	54
40	Predictive value of minor anomalies: II. Use in cohort studies to identify teratogens. Teratology, 1987, 36, 291-297.	1.6	52
41	Anticonvulsant teratogenesis: I. A study design for newborn infants. Teratology, 1994, 49, 202-207.	1.6	52
42	Ensuring the Safe and Effective Use of Medications During Pregnancy: Planning and Prevention Through Preconception Care. Maternal and Child Health Journal, 2006, 10, 129-135.	1.5	51
43	Valproate teratogenicity and epilepsy syndrome. Epilepsia, 2008, 49, 2122-2124.	5.1	48
44	Adams-Oliver syndrome associated with cardiovascular malformations. Clinical Dysmorphology, 1998, 7, 235-241.	0.3	47
45	Causes of Congenital Malformations. Birth Defects Research, 2018, 110, 87-91.	1.5	42
46	Cardiovascular malformations: Changes in prevalence and birth status, 1972-1990. , 1999, 84, 102-110.		41
47	The correlation of deficits in IQ with midface and digit hypoplasia in children exposed in utero to anticonvulsant drugs. Journal of Pediatrics, 2005, 146, 118-122.	1.8	41
48	Human teratogens: Update 2010. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 1-7.	1.6	40
49	Inborn Errors of Morphogenesis. New England Journal of Medicine, 1974, 291, 763-773.	27.0	38
50	Chorionic villus sampling: A distinctive teratogenic effect on fingers?. Birth Defects Research Part A: Clinical and Molecular Teratology, 2003, 67, 557-562.	1.6	37
51	Inclusion and exclusion criteria for malformations in newborn infants exposed to potential teratogens. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 807-812.	1.6	37
52	Omphalocele and multiple severe congenital anomalies associated with osteodysplasty (Melnick-Needles syndrome). American Journal of Medical Genetics Part A, 1982, 13, 453-463.	2.4	36
53	Triploidy. American Journal of Clinical Pathology, 2016, 145, 86-95.	0.7	36
54	Terminal transverse limb defects with tethering and omphalocele in a 17 week fetus following first trimester misoprostol exposure. Clinical Dysmorphology, 1999, 8, 53-58.	0.3	35

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55	Acetazolamide: Maternal toxicity, pattern of malformations, and litter effect. <i>Teratology</i> , 1988, 37, 335-342.	1.6	32
56	Cardio-faciocutaneous (CFC) Syndrome: Neurological Features in Two Children. <i>Developmental Medicine and Child Neurology</i> , 1993, 35, 727-731.	2.1	31
57	Oto-palato-digital syndrome, type II—an X-linked skeletal dysplasia. <i>American Journal of Medical Genetics Part A</i> , 1985, 20, 249-254.	2.4	30
58	Classification of limb defects. <i>American Journal of Medical Genetics Part A</i> , 1998, 77, 439-441.	2.4	30
59	Mutations in SALL4 in malformed Father and Daughter postulated previously due to reflect mutagenesis by thalidomide. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2004, 70, 550-551.	1.6	30
60	Multiple congenital anomalies/mental retardation (MCA/MR) syndrome due to partial 1q duplication and possible 18p deletion: A study of four individuals in two families. <i>American Journal of Medical Genetics Part A</i> , 1979, 4, 27-37.	2.4	29
61	Malformations reported in chorionic villus sampling exposed children: A review and analytic synthesis of the literature. <i>Genetics in Medicine</i> , 1999, 1, 315-322.	2.4	28
62	Holmes-Gang syndrome is allelic with XLMR-hypotonic face syndrome. <i>American Journal of Medical Genetics Part A</i> , 2000, 94, 383-385.	2.4	28
63	Prominent, constricted ears with malformed condyle of the mandible. , 1998, 75, 449-452.		27
64	The early limb deformity caused by acetazolamide. <i>Teratology</i> , 1979, 20, 289-295.	1.6	26
65	Acrocallosal syndrome: New findings. <i>American Journal of Medical Genetics Part A</i> , 1989, 32, 306-310.	2.4	26
66	Using ICD-9 codes to establish prevalence of malformations in newborn infants. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2012, 94, 208-214.	1.6	26
67	Digit effects produced by prenatal exposure to antiepileptic drugs. , 2000, 61, 277-283.		25
68	Protocol for a drugs exposure pregnancy registry for implementation in resource-limited settings. <i>BMC Pregnancy and Childbirth</i> , 2012, 12, 89.	2.4	24
69	An X-linked mental retardation syndrome with craniofacial abnormalities, microcephaly and club foot. <i>American Journal of Medical Genetics Part A</i> , 1984, 17, 375-382.	2.4	23
70	A case of agnathia, situs inversus, and a normal central nervous system. <i>Teratology</i> , 1992, 46, 213-216.	1.6	23
71	Adverse effects of chorionic villus sampling: a meta-analysis. , 1999, 18, 2163-2175.		23
72	Malformations among infants of mothers with insulin-dependent diabetes: Is there a recognizable pattern of abnormalities?. <i>Birth Defects Research</i> , 2018, 110, 108-113.	1.5	23

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73	Possible fetal effects of cervical dilation and uterine curettage during the first trimester of pregnancy. Journal of Pediatrics, 1995, 126, 131-134.	1.8	22
74	Anticonvulsant teratogenesis: 3. possible metabolic basis. Teratology, 1995, 51, 55-56.	1.6	20
75	Crossed Random Effect Models for Multiple Outcomes in a Study of Teratogenesis. Journal of the American Statistical Association, 2001, 96, 1194-1204.	3.1	20
76	Effect of prenatal exposure to anticonvulsant drugs on dermal ridge patterns of fingers. Teratology, 2002, 66, 19-23.	1.6	20
77	Exposure to Sodium Valproate during Pregnancy: Facial Features and Signs of Autism. Birth Defects Research, 2017, 109, 1134-1143.	1.5	20
78	Four siblings with similar malformations after exposure to phenytoin and primidone. Journal of Pediatrics, 1984, 105, 750-755.	1.8	19
79	A study of level of lesion, associated malformations and sib occurrence risks in spina bifida. , 1996, 54, 213-218.		19
80	Polydactyly, postaxial, type B. Birth Defects Research, 2018, 110, 134-141.	1.5	19
81	Symmetrical terminal transverse limb defects: Report of a twenty-week fetus. Teratology, 1995, 51, 237-242.	1.6	18
82	The Active Malformations Surveillance Program, Boston in 1972â€“2012: Methodology and demographic characteristics. Birth Defects Research, 2018, 110, 148-156.	1.5	18
83	Impact of prenatal screening on the birth status of fetuses with Down syndrome at an urban hospital, 1972-1994. Genetics in Medicine, 1998, 1, 22-28.	2.4	17
84	Effects of gestational age at enrollment in pregnancy exposure registries. Pharmacoepidemiology and Drug Safety, 2015, 24, 343-352.	1.9	17
85	Anterior laryngeal webs and 22q11 deletions. American Journal of Medical Genetics Part A, 1998, 79, 152-152.	2.4	16
86	A new syndrome: Heart defects, laryngeal anomalies, preaxial polydactyly, and colonic aganglionosis in sibs. Genetics in Medicine, 1999, 1, 104-108.	2.4	16
87	Anticonvulsant teratogenesis 4: Inter-rater agreement in assessing minor physical features related to anticonvulsant therapy. Teratology, 2000, 62, 406-412.	1.6	15
88	Hydroxamic acid: A potential human teratogen that could be recommended to treat ureaplasma. , 1996, 53, 227-229.		14
89	Levetiracetam Pregnancy Registry: Final results and a review of the impact of registry methodology and definitions on the prevalence of major congenital malformations. Birth Defects Research, 2019, 111, 872-887.	1.5	14
90	Familial t (4;21)(q2.4;q2.2) leading to unbalanced offspring with partial duplication of 4q and of 21q without manifestations of the down syndrome. American Journal of Medical Genetics Part A, 1984, 18, 725-729.	2.4	13

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91	Heterotopic cervical salivary gland tissue in a family with probable branchio-otorenal syndrome. Head & Neck, 1986, 8, 456-462.	0.3	13
92	Anticonvulsant teratogenesis 5: Observer bias in a cohort study. Birth Defects Research Part A: Clinical and Molecular Teratology, 2003, 67, 452-456.	1.6	13
93	Hypothesis: Terminal transverse limb defects with "nubbins" represent a regenerative process during limb development in human fetuses. Birth Defects Research Part A: Clinical and Molecular Teratology, 2012, 94, 129-133.	1.6	13
94	Congenital talipes equinovarus: frequency of associated malformations not identified by prenatal ultrasound. Prenatal Diagnosis, 2015, 35, 254-257.	2.3	13
95	Malformations attributed to the process of vascular disruption. Birth Defects Research, 2018, 110, 98-107.	1.5	13
96	Pena-Shokeir phenotype in sibs with macrocephaly but without growth retardation. American Journal of Medical Genetics Part A, 1989, 32, 478-481.	2.4	11
97	Hypospadias, Intrauterine Growth Restriction, and Abnormalities of the Placenta. Birth Defects Research, 2018, 110, 122-127.	1.5	11
98	Identification of Dh/ + and Dh/Dh embryos through close linkage of Dh and peptidase-3. Teratology, 1986, 34, 353-357.	1.6	10
99	Increased detection of cystic hygroma: A "technology-induced phenomenon", 1996, 54, 298-302.		10
100	Effects on toes from prenatal exposure to anticonvulsants. Teratology, 2002, 66, 122-126.	1.6	10
101	Chorionic Villus Sampling and Hemangiomas. Journal of Craniofacial Surgery, 2009, 20, 675-677.	0.7	10
102	Lessons on objectivity in clinical studies. American Journal of Medical Genetics Part A, 1994, 53, 19-20.	2.4	9
103	Type III tracheal agenesis with familial tetralogy of Fallot and absent pulmonary value syndrome. , 1996, 65, 266-268.		9
104	Multiple congenital anomalies associated with in utero exposure of phenytoin: Possible hypoxic ischemic mechanism?. Birth Defects Research Part A: Clinical and Molecular Teratology, 2003, 67, 993-996.	1.6	9
105	Unilateral Transverse Arm Defect with Subterminal Digital Nubbins. Pediatric and Developmental Pathology, 2003, 6, 348-354.	1.0	9
106	Impact of elective termination on the occurrence of severe birth defects identified in a hospital-based active malformations surveillance program (1999 to 2002). Birth Defects Research Part A: Clinical and Molecular Teratology, 2016, 106, 659-666.	1.6	9
107	Malformations Surveillance: Comparison between Findings at Birth and Age 1 Year. Birth Defects Research, 2018, 110, 142-147.	1.5	9
108	Etiologic complexities of diaphragmatic defects: Right diaphragmatic hernia, pulmonary hypoplasia/agenesis, and hydrocephalus in sibs. American Journal of Medical Genetics Part A, 1991, 41, 164-168.	2.4	8

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109	Anticonvulsant teratogenesis: 2. Statistical methods for multiple birth outcomes. Teratology, 1994, 50, 74-79.	1.6	8
110	New syndrome. Clinical Dysmorphology, 1997, 6, 13-20.	0.3	8
111	Stillborn Infants: Associated Malformations. Birth Defects Research, 2018, 110, 114-121.	1.5	7
112	X-linked phenotype of absent radius and anogenital anomalies. American Journal of Medical Genetics Part A, 1993, 45, 743-744.	2.4	6
113	Global birth defects app: An innovative tool for describing and coding congenital anomalies at birth in low resource settings. Birth Defects Research, 2021, 113, 1057-1073.	1.5	6
114	Hypoplasia of the second metacarpal in mother and daughter. Journal of Pediatrics, 1972, 81, 1165-1167.	1.8	5
115	Hallux varus and preaxial polysyndactyly in brothers. American Journal of Medical Genetics Part A, 1980, 6, 113-117.	2.4	5
116	Response to comments on "Teratogen Update: Bendectin". Teratology, 1985, 31, 432-432.	1.6	5
117	Severe malformation of one foot from amniocentesis needle injury. Clinical Dysmorphology, 1997, 6, 273-280.	0.3	5
118	Down syndrome in two of three triplets. Clinical Genetics, 1978, 14, 261-264.	2.0	5
119	Laser light scan analysis of the "anticonvulsant face". Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 905-911.	1.6	5
120	Detecting congenital malformations - Lessons learned from the Mpepu study, Botswana. PLoS ONE, 2017, 12, e0173800.	2.5	5
121	Iniencephaly. Birth Defects Research, 2018, 110, 128-133.	1.5	5
122	The Impact of Technology on the Diagnosis of Congenital Malformations. American Journal of Epidemiology, 2019, 188, 1892-1901.	3.4	5
123	Limited surface examination to evaluate potential teratogens in a resource-limited setting. Birth Defects Research, 2021, 113, 702-707.	1.5	5
124	Double fingernails on fifth fingers. American Journal of Medical Genetics Part A, 1994, 53, 395-395.	2.4	4
125	Looking for long-term effects from prenatal exposures to anticonvulsants. Teratology, 2001, 64, 175-176.	1.6	4
126	Prenatal diagnosis and molecular cytogenetics in a case of partial trisomy 14 and monosomy 21. American Journal of Medical Genetics Part A, 2001, 100, 246-250.	2.4	4



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127	Four cases with hypoplastic thumbs and encephaloceles. American Journal of Medical Genetics Part A, 2002, 111, 178-181.	2.4	4
128	The association of a dysmorphic pelvis, absence of pubic rami, hip dysplasia, and genitourinary anomalies. Birth Defects Research Part A: Clinical and Molecular Teratology, 2012, 94, 57-60.	1.6	4
129	Neuropsychological effects in children exposed to anticonvulsant monotherapy during gestation: Phenobarbital, carbamazepine, and phenytoin. Epilepsy and Behavior, 2022, 127, 108533.	1.7	4
130	Pattern of skeletal malformations produced by Dominant hemimelia (Dh). , 1999, 60, 348-355.		3
131	Vascular limb defects and maternal age. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 760-763.	1.6	3
132	What is the risk of major congenital abnormalities among women on antiretroviral therapy?. Aids, 2018, 32, 403-404.	2.2	3
133	Terminal transverse limb defects with "nubbins". Birth Defects Research, 2021, 113, 1007-1014.	1.5	3
134	A case of a closed partial cloacal septation defect with a patent urachus. Teratology, 1993, 48, 97-103.	1.6	2
135	Case 11-2005. New England Journal of Medicine, 2005, 352, 1579-1587.	27.0	2
136	Károlyi MÃ©hes: Pioneer in the study of minor anomalies. A good and creative friend remembered. American Journal of Medical Genetics, Part A, 2010, 152A, 1617-1620.	1.2	2
137	Memories of the Teratology Society: 1972-2020. Birth Defects Research, 2020, 112, 935-941.	1.5	2
138	Cardiovascular malformations: Changes in prevalence and birth status, 1972-1990. American Journal of Medical Genetics Part A, 1999, 84, 102-110.	2.4	2
139	Normal digital artery blood flow in antiepileptic drug embryopathy. Teratology, 1999, 59, 130-131.	1.6	1
140	Evaluating the accuracy of Malformations Surveillance Program in detecting virilization due to congenital adrenal hyperplasia. Congenital Anomalies (discontinued), 2005, 45, 1-4.	0.6	1
141	Setting Standards for Pregnancy Registries. Drug Safety, 2018, 41, 7-9.	3.2	1
142	Malformations among 289,365 Births Attributed to Mutations with Autosomal Dominant and Recessive and X-Linked Inheritance. Birth Defects Research, 2018, 110, 92-97.	1.5	1
143	Physical features of newborns exposed during pregnancy to anticonvulsant medication and developmental monitoring. Birth Defects Research, 2021, 113, 995-1000.	1.5	1
144	Epidemiology of osteochondrodysplasias: Changing trends due to advances in prenatal diagnosis. American Journal of Medical Genetics Part A, 1996, 61, 49-58.	2.4	1

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145	Hypothesis: Central digit hypoplasia. American Journal of Medical Genetics, Part A, 2022, , .	1.2	1
146	Limb deficiencies identified by malformations surveillance programs. , 1998, 80, 541-542.		0
147	2001 Teratogen Update Workshop summaries: Introduction. Teratology, 2002, 65, 199-199.	1.6	0
148	Putative new teratogens. Teratology, 2002, 65, 204-205.	1.6	0
149	Amniotic bands and exocoelomic stickiness: Reply to Dr. Shepard. Birth Defects Research Part A: Clinical and Molecular Teratology, 2004, 70, 154-154.	1.6	0
150	Reply to Dolk et al.. Birth Defects Research Part A: Clinical and Molecular Teratology, 2012, 94, 960-960.	1.6	0
151	Inter-rater agreement for diagnoses of epilepsy in pregnant women. Epilepsy and Behavior, 2013, 27, 148-153.	1.7	0
152	Hearts and hands as the starting point. Genetics in Medicine, 2015, 17, 316-318.	2.4	0
153	Terminal transverse limb defects. Birth Defects Research, 2021, 113, 1029-1030.	1.5	0
154	Fetal Environmental Toxins. Pediatrics in Review, 1992, 13, 364-369.	0.4	0