Rebecca C Fry

List of Publications by Year in Descending Order

219 papers	6,653 citations	43 h-index	73 g-index
242 ext. papers	8,024 ext. citations	5.5 avg, IF	6.13 L-index

#	Paper	IF	Citations
219	Placental genomics mediates genetic associations with complex health traits and disease.. *Nature Communications*, **2022**, 13, 706	17.4	0
218	Innovative computational approaches shed light on genetic mechanisms underlying cognitive impairment among children born extremely preterm.. *Journal of Neurodevelopmental Disorders*, **2022**, 14, 16	4.6	0
217	Chemical Mixtures in Household Environments: In Silico Predictions and In Vitro Testing of Potential Joint Action on PPAR In Human Liver Cells. *Toxics*, **2022**, 10, 199	4.7	0
216	Caregivers perception of the role of the socio-environment on their extremely preterm child well-being. *Journal of Pediatric Nursing*, **2022**, 66, 36-43	2.2	0
215	Analysis of the novel NCWELL database highlights two decades of co-occurrence of toxic metals in North Carolina private well water: Public health and environmental justice implications. *Science of the Total Environment*, **2021**, 151479	10.2	1
214	Identification of an Analytical Method Interference for Perfluorobutanoic Acid in Biological Samples.. *Environmental Science and Technology Letters*, **2021**, 8, 1085-1090	11	2
213	CUE: CpG impUtation ensemble for DNA methylation levels across the human methylation450 (HM450) and EPIC (HM850) BeadChip platforms. *Epigenetics*, **2021**, 16, 851-861	5.7	0
212	Acetaminophen Modulates the Expression of Steroidogenesis-Associated Genes and Estradiol Levels in Human Placental JEG-3 Cells. *Toxicological Sciences*, **2021**, 179, 44-52	4.4	3
211	Origins, fate, and actions of methylated trivalent metabolites of inorganic arsenic: progress and prospects. *Archives of Toxicology*, **2021**, 95, 1547-1572	5.8	10
210	Toxicological Responses of Pinene-Derived Secondary Organic Aerosol and Its Molecular Tracers in Human Lung Cell Lines. *Chemical Research in Toxicology*, **2021**, 34, 817-832	4	5
209	Diverse genetic backgrounds play a prominent role in the metabolic phenotype of CC021/Unc and CC027/GeniUNC mice exposed to inorganic arsenic. *Toxicology*, **2021**, 452, 152696	4.4	1
208	Changes in Neurodevelopmental Outcomes From Age 2 to 10 Years for Children Born Extremely Preterm. *Pediatrics*, **2021**, 147,	7.4	12
207	Associations of exposure to perfluoroalkyl substances individually and in mixtures with persistent infections: Recent findings from NHANES 1999-2016. *Environmental Pollution*, **2021**, 275, 116619	9.3	7
206	Exposure to toxic metals and per- and polyfluoroalkyl substances and the risk of preeclampsia and preterm birth in the United States: a review. *American Journal of Obstetrics & Gynecology MFM*, **2021**, 3, 100308	7.4	13
205	Mid-pregnancy maternal blood nitric oxide-related gene and miRNA expression are associated with preterm birth. *Epigenomics*, **2021**, 13, 667-682	4.4	3
204	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. *Communications Biology*, **2021**, 4, 769	6.7	12
203	Improving the predictive value of bioaccessibility assays and their use to provide mechanistic insights into bioavailability for toxic metals/metalloids - A research prospectus. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2021**, 24, 307-324	8.6	3

202	Metabolites from midtrimester plasma of pregnant patients at high risk for preterm birth. *American Journal of Obstetrics & Gynecology MFM*, **2021**, 3, 100393	7.4	1
201	Nitric oxide-related gene and microRNA expression in peripheral blood in pregnancy vary by self-reported race. *Epigenetics*, **2021**, 1-15	5.7	2
200	Sex-dependent effects of preconception exposure to arsenite on gene transcription in parental germ cells and on transcriptomic profiles and diabetic phenotype of offspring. *Archives of Toxicology*, **2021**, 95, 473-488	5.8	3
199	Measurement of mitochondrial DNA copy number in dried blood spots: A pilot study. *Mitochondrion* , **2021**, 56, 35-39	4.9	2
198	Placental programming, perinatal inflammation, and neurodevelopment impairment among those born extremely preterm. *Pediatric Research*, **2021**, 89, 326-335	3.2	6
197	Relationships among Inorganic Arsenic, Nutritional Status CpG Methylation and microRNAs: A Review of the Literature. *Epigenetics Insights*, **2021**, 14, 2516865721989719	3	0
196	The interplay between environmental exposures and COVID-19 risks in the health of children. *Environmental Health*, **2021**, 20, 34	6	5
195	Comparing the Predictivity of Human Placental Gene, microRNA, and CpG Methylation Signatures in Relation to Perinatal Outcomes. *Toxicological Sciences*, **2021**, 183, 269-284	4.4	1
194	Development of the genomic inflammatory index (GII) to assess key maternal antecedents associated with placental inflammation. *Placenta*, **2021**, 111, 82-90	3.4	0
193	Pre-pregnancy BMI-associated miRNA and mRNA expression signatures in the placenta highlight a sexually-dimorphic response to maternal underweight status. *Scientific Reports*, **2021**, 11, 15743	4.9	1
192	Neonatal Cranial Ultrasound Findings among Infants Born Extremely Preterm: Associations with Neurodevelopmental Outcomes at 10 Years of Age. *Journal of Pediatrics*, **2021**, 237, 197-205.e4	3.6	4
191	Two distinct trophectoderm lineage stem cells from human pluripotent stem cells. *Journal of Biological Chemistry*, **2021**, 296, 100386	5.4	16
190	Evidence for the placenta-brain axis: multi-omic kernel aggregation predicts intellectual and social impairment in children born extremely preterm. *Molecular Autism*, **2020**, 11, 97	6.5	6
189	Identifying Risk Factors for Levels of Per- and Polyfluoroalkyl Substances (PFAS) in the Placenta in a High-Risk Pregnancy Cohort in North Carolina. *Environmental Science & Technology*, **2020**, 54, 8158-8166	10.3	17
188	Histologic chorioamnionitis and risk of neurodevelopmental impairment at age 10 years among extremely preterm infants born before 28 weeks of gestation. *American Journal of Obstetrics and Gynecology*, **2020**, 223, 745.e1-745.e10	6.4	17
187	Albuminuria, Hypertension, and Reduced Kidney Volumes in Adolescents Born Extremely Premature. *Frontiers in Pediatrics*, **2020**, 8, 230	3.4	9
186	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. *Toxics*, **2020**, 8,	4.7	27
185	Opportunities for evaluating chemical exposures and child health in the United States: the Environmental influences on Child Health Outcomes (ECHO) Program. *Journal of Exposure Science and Environmental Epidemiology*, **2020**, 30, 397-419	6.7	21

184	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. *Reproductive Toxicology*, **2020**, 98, 1-12	3.4	27
183	Per- and Polyfluoroalkyl Substances Differentially Inhibit Placental Trophoblast Migration and Invasion In Vitro. *Toxicological Sciences*, **2020**, 175, 210-219	4.4	20
182	Environmental contaminants and the immune system: A systems perspective **2020**, 217-237		0
181	Pregnancy and birth outcomes: A role for environment-epigenome interactions **2020**, 109-123		
180	The role of nutrition and epigenetics in environmental toxicology **2020**, 303-334		
179	Intergenerational and transgenerational effects of environmental factors and a role for the epigenome **2020**, 267-299		
178	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of MicroRNAs Associated with Inflammatory/Oxidative Stress Response in Lung Cells. *Chemical Research in Toxicology*, **2020**, 33, 381-387	4	8
177	Cytomegalovirus seroprevalence, recurrence, and antibody levels: Associations with cadmium and lead exposures in the general United States population. *Environmental Epidemiology*, **2020**, 4, e100	0.2	1
176	Placental microRNAs: Responders to environmental chemicals and mediators of pathophysiology of the human placenta. *Toxicology Reports*, **2020**, 7, 1046-1056	4.8	9
175	Identifying the Transcriptional Response of Cancer and Inflammation-Related Genes in Lung Cells in Relation to Ambient Air Chemical Mixtures in Houston, Texas. *Environmental Science & Technology*, **2020**, 54, 13807-13816	10.3	2
174	Understanding the Relationship between Environmental Arsenic and Prostate Cancer Aggressiveness among African-American and European-American Men in North Carolina. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	2
173	Inorganic arsenic and its methylated metabolites as endocrine disruptors in the placenta: Mechanisms underpinning glucocorticoid receptor (GR) pathway perturbations. *Toxicology and Applied Pharmacology*, **2020**, 409, 115305	4.6	7
172	Genetic and epigenetic factors and early life inflammation as predictors of neurodevelopmental outcomes. *Seminars in Fetal and Neonatal Medicine*, **2020**, 25, 101115	3.7	8
171	Placental genomic and epigenomic signatures associated with infant birth weight highlight mechanisms involved in collagen and growth factor signaling. *Reproductive Toxicology*, **2020**, 96, 221-230	3.4	6
170	A role for microRNAs in the epigenetic control of sexually dimorphic gene expression in the human placenta. *Epigenomics*, **2020**, 12, 1543-1558	4.4	9
169	Perfluoroalkyl Substances (PFAS) and Their Effects on the Placenta, Pregnancy, and Child Development: a Potential Mechanistic Role for Placental Peroxisome Proliferator-Activated Receptors (PPARs). *Current Environmental Health Reports*, **2020**, 7, 222-230	6.5	27
168	An assessment of serum-dependent impacts on intracellular accumulation and genomic response of per- and polyfluoroalkyl substances in a placental trophoblast model. *Environmental Toxicology*, **2020**, 35, 1395-1405	4.2	9
167	Neurocognitive and social-communicative function of children born very preterm at 10 years of age: Associations with microorganisms recovered from the placenta parenchyma. *Journal of Perinatology*, **2020**, 40, 306-315	3.1	6

166	A Network of Sputum MicroRNAs Is Associated with Neutrophilic Airway Inflammation in Asthma. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 51-64	10.2	21
165	Acetaminophen use during pregnancy and DNA methylation in the placenta of the extremely low gestational age newborn (ELGAN) cohort. *Environmental Epigenetics*, **2019**, 5, dvz010	2.4	16
164	Assessment of inorganic contamination of private wells and demonstration of effective filter-based reduction: A pilot-study in Stokes County, North Carolina. *Environmental Research*, **2019**, 177, 108618	7.9	8
163	Differential metabolism of inorganic arsenic in mice from genetically diverse Collaborative Cross strains. *Archives of Toxicology*, **2019**, 93, 2811-2822	5.8	10
162	Understanding positive child health. *Pediatric Research*, **2019**, 86, 690-691	3.2	
161	Disinfection Byproducts Bind Human Estrogen Receptor-□*Environmental Toxicology and Chemistry*, **2019**, 38, 956-964	3.8	7
160	Associations between placental CpG methylation of metastable epialleles and childhood body mass index across ages one, two and ten in the Extremely Low Gestational Age Newborns (ELGAN) cohort. *Epigenetics*, **2019**, 14, 1102-1111	5.7	9
159	Developing novel in vitro methods for the risk assessment of developmental and placental toxicants in the environment. *Toxicology and Applied Pharmacology*, **2019**, 378, 114635	4.6	16
158	Ubiquitous identification of inorganic arsenic in a cohort of second trimester amniotic fluid in women with preterm and term births. *Reproductive Toxicology*, **2019**, 87, 97-99	3.4	1
157	Early life antecedents of positive child health among 10-year-old children born extremely preterm. *Pediatric Research*, **2019**, 86, 758-765	3.2	11
156	Epigenome-wide DNA methylation in placentas from preterm infants: association with maternal socioeconomic status. *Epigenetics*, **2019**, 14, 751-765	5.7	19
155	Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. *Clinical Microbiology Reviews*, **2019**, 32,	34	13
154	Use of Genome Editing Tools in Environmental Health Research. *Current Opinion in Toxicology*, **2019** , 18, 13-17	4.4	5
153	RNA-Sequencing of Umbilical Cord Blood to Investigate Spontaneous Preterm Birth: A Pilot Study. *AJP Reports*, **2019**, 9, e60-e66	1.2	2
152	Evaluation of plasma arsenicals as potential biomarkers of exposure to inorganic arsenic. *Journal of Exposure Science and Environmental Epidemiology*, **2019**, 29, 718-729	6.7	4
151	Targeted Multiplex Gene Expression Profiling to Measure High-Fat Diet and Metformin Effects on Fetal Gene Expression in a Mouse Model. *Reproductive Sciences*, **2019**, 26, 683-689	3	1
150	Predictors of toxic metal exposures among US women of reproductive age. *Journal of Exposure Science and Environmental Epidemiology*, **2019**, 29, 597-612	6.7	9
149	Urinary trace metals, maternal circulating angiogenic biomarkers, and preeclampsia: a single-contaminant and mixture-based approach. *Environmental Health*, **2019**, 18, 63	6	12

148	Effects of Preconception and in Utero Inorganic Arsenic Exposure on the Metabolic Phenotype of Genetically Diverse Collaborative Cross Mice. *Chemical Research in Toxicology*, **2019**, 32, 1487-1490	4	4
147	Placental CpG Methylation of Inflammation, Angiogenic, and Neurotrophic Genes and Retinopathy of Prematurity **2019**, 60, 2888-2894		10
146	Inorganic Arsenic as an Endocrine Disruptor: Modulation of the Glucocorticoid Receptor Pathway in Placental Cells via CpG Methylation. *Chemical Research in Toxicology*, **2019**, 32, 493-499	4	14
145	One-carbon metabolism nutrient intake and the association between body mass index and urinary arsenic metabolites in adults in the Chihuahua cohort. *Environment International*, **2019**, 123, 292-300	12.9	11
144	Quality Improvement in Perinatal Medicine and Translation of Preterm Birth Research Findings into Clinical Care. *Clinics in Perinatology*, **2018**, 45, 155-163	2.8	2
143	Cadmium disrupts signaling of the hypoxia-inducible (HIF) and transforming growth factor (TGF-) pathways in placental JEG-3 trophoblast cells via reactive oxygen species. *Toxicology and Applied Pharmacology*, **2018**, 342, 108-115	4.6	10
142	Long-Term Health Effects and Underlying Biological Mechanisms of Developmental Exposure to Arsenic. *Current Environmental Health Reports*, **2018**, 5, 134-144	6.5	27
141	Effect of secondary organic aerosol from isoprene-derived hydroxyhydroperoxides on the expression of oxidative stress response genes in human bronchial epithelial cells. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 332-339	4.3	16
140	Environmental Influences on the Epigenome: Exposure- Associated DNA Methylation in Human Populations. *Annual Review of Public Health*, **2018**, 39, 309-333	20.6	256
139	Placental CpG methylation of HPA-axis genes is associated with cognitive impairment at age 10 among children born extremely preterm. *Hormones and Behavior*, **2018**, 101, 29-35	3.7	14
138	Roadmap for investigating epigenome deregulation and environmental origins of cancer. *International Journal of Cancer*, **2018**, 142, 874-882	7.5	46
137	Assessing Positive Child Health among Individuals Born Extremely Preterm. *Journal of Pediatrics*, **2018**, 202, 44-49.e4	3.6	7
136	Characterizing the effects of missing data and evaluating imputation methods for chemical prioritization applications using ToxPi. *BioData Mining*, **2018**, 11, 10	4.3	7
135	Maternal one carbon metabolism and arsenic methylation in a pregnancy cohort in Mexico. *Journal of Exposure Science and Environmental Epidemiology*, **2018**, 28, 505-514	6.7	15
134	Discrimination exposure and DNA methylation of stress-related genes in Latina mothers. *Psychoneuroendocrinology*, **2018**, 98, 131-138	5	29
133	Placental CpG methylation of infants born extremely preterm predicts cognitive impairment later in life. *PLoS ONE*, **2018**, 13, e0193271	3.7	15
132	Circulating miRNAs Associated with Arsenic Exposure. *Environmental Science & Technology*, **2018**, 52, 14487-14495	10.3	19
131	Epigenetic Regulation of the Nitric Oxide Pathway, 17-Hydroxyprogesterone Caproate, and Recurrent Preterm Birth. *American Journal of Perinatology*, **2018**, 35, 721-728	3.3	4

130	Metabolomic profiles of arsenic (+3 oxidation state) methyltransferase knockout mice: effect of sex and arsenic exposure. *Archives of Toxicology*, **2017**, 91, 189-202	5.8	17
129	Effects of prenatal exposure to endocrine disruptors and toxic metals on the fetal epigenome. *Epigenomics*, **2017**, 9, 333-350	4.4	53
128	Sexual epigenetic dimorphism in the human placenta: implications for susceptibility during the prenatal period. *Epigenomics*, **2017**, 9, 267-278	4.4	57
127	Incorporating ToxCast and Tox21 datasets to rank biological activity of chemicals at Superfund sites in North Carolina. *Environment International*, **2017**, 101, 19-26	12.9	14
126	Chronic early childhood exposure to arsenic is associated with a TNF-mediated proteomic signaling response. *Environmental Toxicology and Pharmacology*, **2017**, 52, 183-187	5.8	12
125	Genetic and epigenetic mechanisms underlying arsenic-associated diabetes mellitus: a perspective of the current evidence. *Epigenomics*, **2017**, 9, 701-710	4.4	32
124	High-Throughput Screening Data Interpretation in the Context of In Vivo Transcriptomic Responses to Oral Cr(VI) Exposure. *Toxicological Sciences*, **2017**, 158, 199-212	4.4	18
123	Epigenetic mechanisms underlying arsenic-induced toxicity. *Current Opinion in Toxicology*, **2017**, 6, 1-9	4.4	8
122	Neonatal Metabolomic Profiles Related to Prenatal Arsenic Exposure. *Environmental Science & Technology*, **2017**, 51, 625-633	10.3	25
121	Benchmark Dose Modeling Estimates of the Concentrations of Inorganic Arsenic That Induce Changes to the Neonatal Transcriptome, Proteome, and Epigenome in a Pregnancy Cohort. *Chemical Research in Toxicology*, **2017**, 30, 1911-1920	4	28
120	Microorganisms in the human placenta are associated with altered CpG methylation of immune and inflammation-related genes. *PLoS ONE*, **2017**, 12, e0188664	3.7	14
119	Identification of endocrine active disinfection by-products (DBPs) that bind to the androgen receptor. *Chemosphere*, **2017**, 187, 114-122	8.4	16
118	Cadmium inhibits placental trophoblast cell migration via miRNA regulation of the transforming growth factor beta (TGF-) pathway. *Food and Chemical Toxicology*, **2017**, 109, 721-726	4.7	31
117	Fetal-sex dependent genomic responses in the circulating lymphocytes of arsenic-exposed pregnant women in New Hampshire. *Reproductive Toxicology*, **2017**, 73, 184-195	3.4	5
116	Toxic metals in amniotic fluid and altered gene expression in cell-free fetal RNA. *Prenatal Diagnosis*, **2017**, 37, 1364-1366	3.2	4
115	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. *Environmental Science & Technology*, **2017**, 51, 8166-8175	10.3	39
114	Investigating the Role of Fetal Gene Expression in Preterm Birth. *Reproductive Sciences*, **2017**, 24, 824-828	3	9
113	Cadmium body burden and increased blood pressure in middle-aged American Indians: the Strong Heart Study. *Journal of Human Hypertension*, **2017**, 31, 225-230	2.6	42

112	Genomic biomarkers of prenatal intrauterine inflammation in umbilical cord tissue predict later life neurological outcomes. *PLoS ONE*, **2017**, 12, e0176953	3.7	13
111	Analysis of bladder cancer tumor CpG methylation and gene expression within The Cancer Genome Atlas identifies as a prognostic biomarker for basal-like bladder cancer. *American Journal of Cancer Research*, **2017**, 7, 1850-1862	4.4	5
110	Validation of a Metallomics Analysis of Placenta Tissue by Inductively-Coupled Plasma Mass Spectrometry. *Biological Trace Element Research*, **2016**, 169, 164-73	4.5	6
109	A Systems Toxicology-based Approach Reveals Biological Pathways Dysregulated by Prenatal Arsenic Exposure. *Annals of Global Health*, **2016**, 82, 189-96	3.3	10
108	E-cigarette use results in suppression of immune and inflammatory-response genes in nasal epithelial cells similar to cigarette smoke. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L135-44	5.8	125
107	Nonresponse to 17-alpha hydroxyprogesterone caproate for recurrent spontaneous preterm birth prevention: clinical prediction and generation of a risk scoring system. *American Journal of Obstetrics and Gynecology*, **2016**, 215, 622.e1-622.e8	6.4	25
106	TNF-insulin crosstalk at the transcription factor GATA6 is revealed by a model that links signaling and transcriptomic data tensors. *Science Signaling*, **2016**, 9, ra59	8.8	17
105	In vitro exposure to isoprene-derived secondary organic aerosol by direct deposition and its effects on <i>COX-2</i> and <i>IL-8</i> gene expression. *Atmospheric Chemistry and Physics*, **2016**, 16, 14079-14090	6.8	20
104	Maternal blood lead concentrations, DNA methylation of DMR regulating the DLK1/MEG3 imprinted domain and early growth in a multiethnic cohort. *Environmental Epigenetics*, **2016**, 2,	2.4	28
103	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of Oxidative Stress Response Genes in Human Lung Cells. *Environmental Science and Technology Letters*, **2016**, 3, 250-254	11	48
102	Advancing Dose-Response Assessment Methods for Environmental Regulatory Impact Analysis: A Bayesian Belief Network Approach Applied to Inorganic Arsenic. *Environmental Science and Technology Letters*, **2016**, 3, 200-204	11	3
101	Methylomic analysis of salivary DNA in childhood ADHD identifies altered DNA methylation in VIPR2. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, **2016**, 57, 152-60	7.9	66
100	A cross-study analysis of prenatal exposures to environmental contaminants and the epigenome: support for stress-responsive transcription factor occupancy as a mediator of gene-specific CpG methylation patterning. *Environmental Epigenetics*, **2016**, 2,	2.4	31
99	Analysis of maternal polymorphisms in arsenic (+3 oxidation state)-methyltransferase AS3MT and fetal sex in relation to arsenic metabolism and infant birth outcomes: Implications for risk analysis. *Reproductive Toxicology*, **2016**, 61, 28-38	3.4	21
98	Chronic Exposure to Arsenic and Markers of Cardiometabolic Risk: A Cross-Sectional Study in Chihuahua, Mexico. *Environmental Health Perspectives*, **2016**, 124, 104-11	8.4	71
97	Mechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Research Trends and Scientific Gaps. *Environmental Health Perspectives*, **2016**, 124, 170-5	8.4	43
96	<i>In Vitro</i> Exposure to Isoprene-Derived Secondary Organic Aerosol by Direct Deposition and its Effects on <i>COX-2</i> and <i>IL-8</i> Gene Expression **2016**,		2
95	Association Between Variants in Arsenic (+3 Oxidation State) Methyltranserase (AS3MT) and Urinary Metabolites of Inorganic Arsenic: Role of Exposure Level. *Toxicological Sciences*, **2016**, 153, 112-23	4.4	12

94	miRNAs as common regulators of the transforming growth factor (TGF)-pathway in the preeclamptic placenta and cadmium-treated trophoblasts: Links between the environment, the epigenome and preeclampsia. *Food and Chemical Toxicology*, **2016**, 98, 50-57	4.7	34
93	Transcriptomic responses in the oral cavity of F344 rats and B6C3F1 mice following exposure to Cr(VI): Implications for risk assessment. *Environmental and Molecular Mutagenesis*, **2016**, 57, 706-716	3.2	10
92	Increased R2* in the Caudate Nucleus of Asymptomatic Welders. *Toxicological Sciences*, **2016**, 150, 369-77	4.4	14
91	Longitudinal T1 relaxation rate (R1) captures changes in short-term Mn exposure in welders. *NeuroToxicology*, **2016**, 57, 39-44	4.4	13
90	Environmental contaminants and microRNA regulation: Transcription factors as regulators of toxicant-altered microRNA expression. *Toxicology and Applied Pharmacology*, **2016**, 312, 61-66	4.6	20
89	T1 Relaxation Rate (R1) Indicates Nonlinear Mn Accumulation in Brain Tissue of Welders With Low-Level Exposure. *Toxicological Sciences*, **2015**, 146, 281-9	4.4	32
88	Systems Biology in Toxicology and Environmental Health **2015**, 1-10		1
87	The Cell **2015**, 11-42		1
86	Priority Environmental Contaminants **2015**, 117-169		8
85	Environmental Contaminants and the Immune System **2015**, 171-186		1
84	Hormone Response Pathways as Responders to Environmental Contaminants and Their Roles in Disease **2015**, 225-238		3
83	Maternal arsenic exposure, arsenic methylation efficiency, and birth outcomes in the Biomarkers of Exposure to ARsenic (BEAR) pregnancy cohort in Mexico. *Environmental Health Perspectives*, **2015**, 123, 186-92	8.4	95
82	Maternal cadmium, iron and zinc levels, DNA methylation and birth weight. *BMC Pharmacology & Toxicology*, **2015**, 16, 20	2.6	72
81	T Follicular Helper Cell-Dependent Clearance of a Persistent Virus Infection Requires T Cell Expression of the Histone Demethylase UTX. *Immunity*, **2015**, 43, 703-14	32.3	53
80	Prenatal Exposure to Cadmium and Cotinine and CpG island DNA methylation in Mother-Infant Pairs. *Genomics Data*, **2015**, 5, 378-380		5
79	Toxicological responses of environmental mixtures: Environmental metal mixtures display synergistic induction of metal-responsive and oxidative stress genes in placental cells. *Toxicology and Applied Pharmacology*, **2015**, 289, 534-41	4.6	22
78	From the Field to the Laboratory: Air Pollutant-Induced Genomic Effects in Lung Cells. *Environmental Health Insights*, **2015**, 9, 15-23	1.4	6
77	Environmental Contaminants and Their Relationship to the Epigenome **2015**, 285-312		

76	Placental Cadmium Levels Are Associated with Increased Preeclampsia Risk. *PLoS ONE*, **2015**, 10, e0139311	3.7	54
75	Epigenetics and Preeclampsia: Defining Functional Epimutations in the Preeclamptic Placenta Related to the TGF-Pathway. *PLoS ONE*, **2015**, 10, e0141294	3.7	46
74	Health Effects of Prenatal and Early-Life Exposure to Arsenic **2015**, 405-428		
73	Identification of novel gene targets and putative regulators of arsenic-associated DNA methylation in human urothelial cells and bladder cancer. *Chemical Research in Toxicology*, **2015**, 28, 1144-55	4	22
72	Cadmium levels in a North Carolina cohort: Identifying risk factors for elevated levels during pregnancy. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 427-32	6.7	11
71	Prenatal arsenic exposure and the epigenome: identifying sites of 5-methylcytosine alterations that predict functional changes in gene expression in newborn cord blood and subsequent birth outcomes. *Toxicological Sciences*, **2015**, 143, 97-106	4.4	131
70	Metabolomic characteristics of arsenic-associated diabetes in a prospective cohort in Chihuahua, Mexico. *Toxicological Sciences*, **2015**, 144, 338-46	4.4	29
69	Toxic metal levels in children residing in a smelting craft village in Vietnam: a pilot biomonitoring study. *BMC Public Health*, **2014**, 14, 114	4.1	34
68	Arsenic-Associated Changes to the Epigenome: What Are the Functional Consequences?. *Current Environmental Health Reports*, **2014**, 1, 22-34	6.5	60
67	Dose and temporal effects on gene expression profiles of urothelial cells from rats exposed to diuron. *Toxicology*, **2014**, 325, 21-30	4.4	10
66	Air toxics and epigenetic effects: ozone altered microRNAs in the sputum of human subjects. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 306, L1129-37	5.8	60
65	Maternal cadmium levels during pregnancy associated with lower birth weight in infants in a North Carolina cohort. *PLoS ONE*, **2014**, 9, e109661	3.7	85
64	Imprinted genes and the environment: links to the toxic metals arsenic, cadmium, lead and mercury. *Genes*, **2014**, 5, 477-96	4.2	18
63	Cadmium exposure and the epigenome: Exposure-associated patterns of DNA methylation in leukocytes from mother-baby pairs. *Epigenetics*, **2014**, 9, 212-21	5.7	121
62	Incorporating epigenetic data into the risk assessment process for the toxic metals arsenic, cadmium, chromium, lead, and mercury: strategies and challenges. *Frontiers in Genetics*, **2014**, 5, 201	4.5	117
61	Associations between arsenic species in exfoliated urothelial cells and prevalence of diabetes among residents of Chihuahua, Mexico. *Environmental Health Perspectives*, **2014**, 122, 1088-94	8.4	40
60	Prenatal exposure to arsenic and cadmium impacts infectious disease-related genes within the glucocorticoid receptor signal transduction pathway. *International Journal of Molecular Sciences*, **2014**, 15, 22374-91	6.3	25
59	Prenatal arsenic exposure and shifts in the newborn proteome: interindividual differences in tumor necrosis factor (TNF)-responsive signaling. *Toxicological Sciences*, **2014**, 139, 328-37	4.4	33

58	Prenatal arsenic exposure and the epigenome: altered microRNAs associated with innate and adaptive immune signaling in newborn cord blood. *Environmental and Molecular Mutagenesis*, **2014**, 55, 196-208	3.2	141
57	DNA methylation modifies urine biomarker levels in 1,6-hexamethylene diisocyanate exposed workers: a pilot study. *Toxicology Letters*, **2014**, 231, 217-26	4.4	4
56	Investigating Epigenetic Effects of Prenatal Exposure to Toxic Metals in Newborns: Challenges and Benefits. *Medical Epigenetics*, **2014**, 2, 53-59		19
55	Association between arsenic, cadmium, manganese, and lead levels in private wells and birth defects prevalence in North Carolina: a semi-ecologic study. *BMC Public Health*, **2014**, 14, 955	4.1	61
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