Rebecca C Fry

List of Publications by Citations

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	Standardizing global gene expression analysis between laboratories and across platforms. *Nature Methods*, **2005**, 2, 351-6	21.6	365
218	A microscale in vitro physiological model of the liver: predictive screens for drug metabolism and enzyme induction. *Current Drug Metabolism*, **2005**, 6, 569-91	3.5	262
217	Environmental Influences on the Epigenome: Exposure- Associated DNA Methylation in Human Populations. *Annual Review of Public Health*, **2018**, 39, 309-333	20.6	256
216	Activation of inflammation/NF-kappaB signaling in infants born to arsenic-exposed mothers. *PLoS Genetics*, **2007**, 3, e207	6	206
215	Gut microbes define liver cancer risk in mice exposed to chemical and viral transgenic hepatocarcinogens. *Gut*, **2010**, 59, 88-97	19.2	177
214	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
213	Disruption of microRNA expression in human airway cells by diesel exhaust particles is linked to tumorigenesis-associated pathways. *Environmental Health Perspectives*, **2009**, 117, 1745-51	8.4	140
212	Formaldehyde carcinogenicity research: 30 years and counting for mode of action, epidemiology, and cancer risk assessment. *Toxicologic Pathology*, **2013**, 41, 181-9	2.1	135
211	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
210	Epigenetic changes in individuals with arsenicosis. *Chemical Research in Toxicology*, **2011**, 24, 165-7	4	126
209	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
208	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
207	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
206	Rat liver sinusoidal endothelial cells survive without exogenous VEGF in 3D perfused co-cultures with hepatocytes. *FASEB Journal*, **2007**, 21, 2564-79	0.9	101
205	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
204	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
203	Arsenic and the epigenome: interindividual differences in arsenic metabolism related to distinct patterns of DNA methylation. *Journal of Biochemical and Molecular Toxicology*, **2013**, 27, 106-15	3.4	85

202	Epigenetic changes induced by air toxics: formaldehyde exposure alters miRNA expression profiles in human lung cells. *Environmental Health Perspectives*, **2011**, 119, 494-500	8.4	82
201	Hepatocellular carcinoma associated with liver-gender disruption in male mice. *Cancer Research*, **2007**, 67, 11536-46	10.1	79
200	Maternal cadmium, iron and zinc levels, DNA methylation and birth weight. *BMC Pharmacology & Toxicology*, **2015**, 16, 20	2.6	72
199	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
198	Multicenter study of acetaminophen hepatotoxicity reveals the importance of biological endpoints in genomic analyses. *Toxicological Sciences*, **2007**, 99, 326-37	4.4	69
197	Genome-wide responses to DNA-damaging agents. *Annual Review of Microbiology*, **2005**, 59, 357-77	17.5	68
196	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
195	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
194	Arsenic-Associated Changes to the Epigenome: What Are the Functional Consequences?. *Current Environmental Health Reports*, **2014**, 1, 22-34	6.5	60
193	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
192	Sexual epigenetic dimorphism in the human placenta: implications for susceptibility during the prenatal period. *Epigenomics*, **2017**, 9, 267-278	4.4	57
191	Arsenic in North Carolina: public health implications. *Environment International*, **2012**, 38, 10-6	12.9	55
190	17□estradiol and tamoxifen prevent gastric cancer by modulating leukocyte recruitment and oncogenic pathways in Helicobacter pylori-infected INS-GAS male mice. *Cancer Prevention Research*, **2011**, 4, 1426-35	3.2	55
189	Genomic predictors of interindividual differences in response to DNA damaging agents. *Genes and Development*, **2008**, 22, 2621-6	12.6	55
188	Placental Cadmium Levels Are Associated with Increased Preeclampsia Risk. *PLoS ONE*, **2015**, 10, e0139341	3.7	54
187	Effects of prenatal exposure to endocrine disruptors and toxic metals on the fetal epigenome. *Epigenomics*, **2017**, 9, 333-350	4.4	53
186	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
185	Towards prenatal biomonitoring in North Carolina: assessing arsenic, cadmium, mercury, and lead levels in pregnant women. *PLoS ONE*, **2012**, 7, e31354	3.7	49

184	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
183	Roadmap for investigating epigenome deregulation and environmental origins of cancer. *International Journal of Cancer*, **2018**, 142, 874-882	7.5	46
182	Epigenetics and Preeclampsia: Defining Functional Epimutations in the Preeclamptic Placenta Related to the TGF-Pathway. *PLoS ONE*, **2015**, 10, e0141294	3.7	46
181	Formaldehyde-associated changes in microRNAs: tissue and temporal specificity in the rat nose, white blood cells, and bone marrow. *Toxicological Sciences*, **2014**, 138, 36-46	4.4	45
180	The epigenetic effects of a high prenatal folate intake in male mouse fetuses exposed in utero to arsenic. *Toxicology and Applied Pharmacology*, **2012**, 264, 439-50	4.6	45
179	Formaldehyde and epigenetic alterations: microRNA changes in the nasal epithelium of nonhuman primates. *Environmental Health Perspectives*, **2013**, 121, 339-44	8.4	45
178	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
177	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
176	The cycad genotoxin MAM modulates brain cellular pathways involved in neurodegenerative disease and cancer in a DNA damage-linked manner. *PLoS ONE*, **2011**, 6, e20911	3.7	42
175	Comparative modeling and analysis of microfluidic and conventional DNA microarrays. *Analytical Biochemistry*, **2006**, 348, 284-93	3.1	41
174	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
173	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. *Environmental Science & Technology*, **2017**, 51, 8166-8175	10.3	39
172	Influenza enhances caspase-1 in bronchial epithelial cells from asthmatic volunteers and is associated with pathogenesis. *Journal of Allergy and Clinical Immunology*, **2012**, 130, 958-67.e14	11.5	36
171	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
170	The NRF2-mediated oxidative stress response pathway is associated with tumor cell resistance to arsenic trioxide across the NCI-60 panel. *BMC Medical Genomics*, **2010**, 3, 37	3.7	34
169	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
168	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
167	Comparative genomic analyses identify common molecular pathways modulated upon exposure to low doses of arsenic and cadmium. *BMC Genomics*, **2011**, 12, 173	4.5	33

166	Haem-regulated eIF2alpha kinase is necessary for adaptive gene expression in erythroid precursors under the stress of iron deficiency. *British Journal of Haematology*, **2008**, 143, 129-37	4.5	33
165	Genetic and epigenetic mechanisms underlying arsenic-associated diabetes mellitus: a perspective of the current evidence. *Epigenomics*, **2017**, 9, 701-710	4.4	32
164	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
163	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
162	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
161	Hepatic temporal gene expression profiling in Helicobacter hepaticus-infected A/JCr mice. *Toxicologic Pathology*, **2004**, 32, 678-93	2.1	31
160	Discrimination exposure and DNA methylation of stress-related genes in Latina mothers. *Psychoneuroendocrinology*, **2018**, 98, 131-138	5	29
159	Metabolomic characteristics of arsenic-associated diabetes in a prospective cohort in Chihuahua, Mexico. *Toxicological Sciences*, **2015**, 144, 338-46	4.4	29
158	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
157	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
156	A toxicogenomic comparison of primary and photochemically altered air pollutant mixtures. *Environmental Health Perspectives*, **2011**, 119, 1583-9	8.4	28
155	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. *Toxics*, **2020**, 8,	4.7	27
154	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. *Reproductive Toxicology*, **2020**, 98, 1-12	3.4	27
153	Long-Term Health Effects and Underlying Biological Mechanisms of Developmental Exposure to Arsenic. *Current Environmental Health Reports*, **2018**, 5, 134-144	6.5	27
152	Genetic susceptibility to chronic hepatitis is inherited codominantly in Helicobacter hepaticus-infected AB6F1 and B6AF1 hybrid male mice, and progression to hepatocellular carcinoma is linked to hepatic expression of lipogenic genes and immune function-associated networks. *Infection and Immunity*, **2008**, 76, 1866-76	3.7	27
151	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
150	Airway cells from atopic asthmatic patients exposed to ozone display an enhanced innate immune gene profile. *Journal of Allergy and Clinical Immunology*, **2012**, 129, 259-61.e1-2	11.5	26
149	Unraveling 50-Year-Old Clues Linking Neurodegeneration and Cancer to Cycad Toxins: Are microRNAs Common Mediators?. *Frontiers in Genetics*, **2012**, 3, 192	4.5	26

148	Neonatal Metabolomic Profiles Related to Prenatal Arsenic Exposure. *Environmental Science & Technology*, **2017**, 51, 625-633	10.3	25
147	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
146	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
145	DNA methylation in nasal epithelial cells from smokers: identification of ULBP3-related effects. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2013**, 305, L432-8	5.8	25
144	Cellular interactions and biological responses to titanium dioxide nanoparticles in HepG2 and BEAS-2B cells: role of cell culture media. *Environmental and Molecular Mutagenesis*, **2014**, 55, 336-42	3.2	24
143	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
142	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
141	Long-term health consequences of prenatal arsenic exposure: links to the genome and the epigenome. *Reviews on Environmental Health*, **2014**, 29, 9-12	3.8	22
140	Systems biology and birth defects prevention: blockade of the glucocorticoid receptor prevents arsenic-induced birth defects. *Environmental Health Perspectives*, **2013**, 121, 332-8	8.4	22
139	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
138	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
137	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
136	Per- and Polyfluoroalkyl Substances Differentially Inhibit Placental Trophoblast Migration and Invasion In Vitro. *Toxicological Sciences*, **2020**, 175, 210-219	4.4	20
135	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
134	RNA steady-state defects in myotonic dystrophy are linked to nuclear exclusion of SHARP. *EMBO Reports*, **2011**, 12, 735-42	6.5	20
133	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
132	Epigenome-wide DNA methylation in placentas from preterm infants: association with maternal socioeconomic status. *Epigenetics*, **2019**, 14, 751-765	5.7	19
131	Investigating Epigenetic Effects of Prenatal Exposure to Toxic Metals in Newborns: Challenges and Benefits. *Medical Epigenetics*, **2014**, 2, 53-59		19

130	Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. *Nanotoxicology*, **2013**, 7, 1111-9	5.3	19
129	Circulating miRNAs Associated with Arsenic Exposure. *Environmental Science & Technology*, **2018**, 52, 14487-14495	10.3	19
128	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
127	Imprinted genes and the environment: links to the toxic metals arsenic, cadmium, lead and mercury. *Genes*, **2014**, 5, 477-96	4.2	18
126	DNA damage and stress transcripts in Saccharomyces cerevisiae mutant sgs1. *Mechanisms of Ageing and Development*, **2003**, 124, 839-46	5.6	18
125	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
124	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
123	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
122	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
121	Individuals with increased inflammatory response to ozone demonstrate muted signaling of immune cell trafficking pathways. *Respiratory Research*, **2012**, 13, 89	7.3	17
120	Genomic phenotyping of the essential and non-essential yeast genome detects novel pathways for alkylation resistance. *BMC Systems Biology*, **2011**, 5, 157	3.5	17
119	Catecholamine release mediates pressor effects of adrenomedullin-(15-22) in the rat. *Hypertension*, **1996**, 28, 1041-6	8.5	17
118	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
117	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
116	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
115	Identification of endocrine active disinfection by-products (DBPs) that bind to the androgen receptor. *Chemosphere*, **2017**, 187, 114-122	8.4	16
114	Does the cycad genotoxin MAM implicated in Guam ALS-PDC induce disease-relevant changes in mouse brain that includes olfaction?. *Communicative and Integrative Biology*, **2011**, 4, 731-4	1.7	16
113	Two distinct trophectoderm lineage stem cells from human pluripotent stem cells. *Journal of Biological Chemistry*, **2021**, 296, 100386	5.4	16

112	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
111	Placental CpG methylation of infants born extremely preterm predicts cognitive impairment later in life. *PLoS ONE*, **2018**, 13, e0193271	3.7	15
110	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
109	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
108	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
107	The aryl hydrocarbon receptor pathway: a key component of the microRNA-mediated AML signalisome. *International Journal of Environmental Research and Public Health*, **2012**, 9, 1939-53	4.6	14
106	Western Pacific ALS-PDC: a prototypical neurodegenerative disorder linked to DNA damage and aberrant proteogenesis?. *Frontiers in Neurology*, **2012**, 3, 180	4.1	14
105	Transcriptional networks in S. cerevisiae linked to an accumulation of base excision repair intermediates. *PLoS ONE*, **2007**, 2, e1252	3.7	14
104	The DNA-damage signature in Saccharomyces cerevisiae is associated with single-strand breaks in DNA. *BMC Genomics*, **2006**, 7, 313	4.5	14
103	Increased R2* in the Caudate Nucleus of Asymptomatic Welders. *Toxicological Sciences*, **2016**, 150, 369-77	4.4	14
102	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
101	Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. *Clinical Microbiology Reviews*, **2019**, 32,	34	13
100	Characterization of a strong dominant phytochrome A mutation unique to phytochrome A signal propagation. *Plant Physiology*, **2002**, 130, 457-65	6.6	13
99	Genomic biomarkers of prenatal intrauterine inflammation in umbilical cord tissue predict later life neurological outcomes. *PLoS ONE*, **2017**, 12, e0176953	3.7	13
98	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
97	Longitudinal T1 relaxation rate (R1) captures changes in short-term Mn exposure in welders. *NeuroToxicology*, **2016**, 57, 39-44	4.4	13
96	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
95	Urinary trace metals, maternal circulating angiogenic biomarkers, and preeclampsia: a single-contaminant and mixture-based approach. *Environmental Health*, **2019**, 18, 63	6	12

94	Anc1, a protein associated with multiple transcription complexes, is involved in postreplication repair pathway in S. cerevisiae. *PLoS ONE*, **2008**, 3, e3717	3.7	12
93	Changes in Neurodevelopmental Outcomes From Age 2 to 10 Years for Children Born Extremely Preterm. *Pediatrics*, **2021**, 147,	7.4	12
92	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. *Communications Biology*, **2021**, 4, 769	6.7	12
91	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
90	Early life antecedents of positive child health among 10-year-old children born extremely preterm. *Pediatric Research*, **2019**, 86, 758-765	3.2	11
89	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
88	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
87	Differential metabolism of inorganic arsenic in mice from genetically diverse Collaborative Cross strains. *Archives of Toxicology*, **2019**, 93, 2811-2822	5.8	10
86	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
85	A Systems Toxicology-based Approach Reveals Biological Pathways Dysregulated by Prenatal Arsenic Exposure. *Annals of Global Health*, **2016**, 82, 189-96	3.3	10
84	Placental CpG Methylation of Inflammation, Angiogenic, and Neurotrophic Genes and Retinopathy of Prematurity **2019**, 60, 2888-2894		10
83	Dose and temporal effects on gene expression profiles of urothelial cells from rats exposed to diuron. *Toxicology*, **2014**, 325, 21-30	4.4	10
82	Origins, fate, and actions of methylated trivalent metabolites of inorganic arsenic: progress and prospects. *Archives of Toxicology*, **2021**, 95, 1547-1572	5.8	10
81	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
80	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
79	Albuminuria, Hypertension, and Reduced Kidney Volumes in Adolescents Born Extremely Premature. *Frontiers in Pediatrics*, **2020**, 8, 230	3.4	9
78	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
77	Investigating the Role of Fetal Gene Expression in Preterm Birth. *Reproductive Sciences*, **2017**, 24, 824-833		9

76	Identification of novel human damage response proteins targeted through yeast orthology. *PLoS ONE*, **2012**, 7, e37368	3.7	9
75	Transcriptional Modulation of the ERK1/2 MAPK and NF-B Pathways in Human Urothelial Cells After Trivalent Arsenical Exposure: Implications for Urinary Bladder Cancer. *Journal of Cancer Research Updates*, **2012**, 1, 57-68	1	9
74	Placental microRNAs: Responders to environmental chemicals and mediators of pathophysiology of the human placenta. *Toxicology Reports*, **2020**, 7, 1046-1056	4.8	9
73	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
72	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
71	Epigenetic mechanisms underlying arsenic-induced toxicity. *Current Opinion in Toxicology*, **2017**, 6, 1-9	4.4	8
70	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
69	Priority Environmental Contaminants **2015**, 117-169		8
68	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
67	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
66	Disinfection Byproducts Bind Human Estrogen Receptor-*Environmental Toxicology and Chemistry*, **2019**, 38, 956-964	3.8	7
65	Assessing Positive Child Health among Individuals Born Extremely Preterm. *Journal of Pediatrics*, **2018**, 202, 44-49.e4	3.6	7
64	Characterizing the effects of missing data and evaluating imputation methods for chemical prioritization applications using ToxPi. *BioData Mining*, **2018**, 11, 10	4.3	7
63	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
62	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
61	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
60	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
59	From the Field to the Laboratory: Air Pollutant-Induced Genomic Effects in Lung Cells. *Environmental Health Insights*, **2015**, 9, 15-23	1.4	6

58	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
57	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
56	Placental programming, perinatal inflammation, and neurodevelopment impairment among those born extremely preterm. *Pediatric Research*, **2021**, 89, 326-335	3.2	6
55	Use of Genome Editing Tools in Environmental Health Research. *Current Opinion in Toxicology*, **2019**, 18, 13-17	4.4	5
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