Rebecca C Fry

List of Publications by Year
in descending order

230 papers	9,192 citations	41323 49 h-index	56687 83 g-index
242 all docs	242 docs citations	242 times ranked	12009 citing authors

#	Article	IF	Citations
1	Environmental Influences on the Epigenome: Exposure- Associated DNA Methylation in Human Populations. Annual Review of Public Health, 2018, 39, 309-333.	7.6	448
2	Standardizing global gene expression analysis between laboratories and across platforms. Nature Methods, 2005, 2, 351-356.	9.0	416
3	A Microscale In Vitro Physiological Model of the Liver: Predictive Screens for Drug Metabolism and Enzyme Induction. Current Drug Metabolism, 2005, 6, 569-591.	0.7	292
4	Activation of Inflammation/NF-Î¹B Signaling in Infants Born to Arsenic-Exposed Mothers. PLoS Genetics, 2007, 3, e207.	1.5	227
5	Gut microbes define liver cancer risk in mice exposed to chemical and viral transgenic hepatocarcinogens. Gut, 2010, 59, 88-97.	6.1	208
6	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-L144.	1.3	187
7	Formaldehyde Carcinogenicity Research. Toxicologic Pathology, 2013, 41, 181-189.	0.9	183
8	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.	0.9	171
9	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.	1.4	157
10	Disruption of MicroRNA Expression in Human Airway Cells by Diesel Exhaust Particles Is Linked to Tumorigenesis-Associated Pathways. Environmental Health Perspectives, 2009, 117, 1745-1751.	2.8	156
11	Epigenetic Changes in Individuals with Arsenicosis. Chemical Research in Toxicology, 2011, 24, 165-167.	1.7	147
12	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.	1.1	137
13	Cadmium exposure and the epigenome: Exposure-associated patterns of DNA methylation in leukocytes from mother-baby pairs. Epigenetics, 2014, 9, 212-221.	1.3	133
14	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, 186-192.	2.8	121
15	Perfluoroalkyl Substances (PFAS) and Their Effects on the Placenta, Pregnancy, and Child Development: a Potential Mechanistic Role for Placental Peroxisome Proliferatorâ€“Activated Receptors (PPARs). Current Environmental Health Reports, 2020, 7, 222-230.	3.2	120
16	Rat liver sinusoidal endothelial cells survive without exogenous VEGF in 3D perfused coâ€cultures with hepatocytes. FASEB Journal, 2007, 21, 2564-2579.	0.2	101
17	Maternal Cadmium Levels during Pregnancy Associated with Lower Birth Weight in Infants in a North Carolina Cohort. PLoS ONE, 2014, 9, e109661.	1.1	99
18	Methylomic analysis of salivary <scp>DNA</scp> in childhood <scp>ADHD</scp> identifies altered <scp>DNA</scp> methylation in <scp>VIPR</scp>2. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2016, 57, 152-160.	3.1	99

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19	Epigenetic Changes Induced by Air Toxics: Formaldehyde Exposure Alters miRNA Expression Profiles in Human Lung Cells. Environmental Health Perspectives, 2011, 119, 494-500.	2.8	97
20	Arsenic and the Epigenome: Interindividual Differences in Arsenic Metabolism Related to Distinct Patterns of DNA Methylation. Journal of Biochemical and Molecular Toxicology, 2013, 27, 106-115.	1.4	97
21	Chronic Exposure to Arsenic and Markers of Cardiometabolic Risk: A Cross-Sectional Study in Chihuahua, Mexico. Environmental Health Perspectives, 2016, 124, 104-111.	2.8	96
22	Maternal cadmium, iron and zinc levels, DNA methylation and birth weight. BMC Pharmacology & Toxicology, 2015, 16, 20.	1.0	95
23	Sexual epigenetic dimorphism in the human placenta: implications for susceptibility during the prenatal period. Epigenomics, 2017, 9, 267-278.	1.0	94
24	Hepatocellular Carcinoma Associated with Liver-Gender Disruption in Male Mice. Cancer Research, 2007, 67, 11536-11546.	0.4	90
25	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.	1.2	87
26	Multicenter Study of Acetaminophen Hepatotoxicity Reveals the Importance of Biological Endpoints in Genomic Analyses. Toxicological Sciences, 2007, 99, 326-337.	1.4	79
27	GENOME-WIDE RESPONSES TO DNA-DAMAGING AGENTS. Annual Review of Microbiology, 2005, 59, 357-377.	2.9	78
28	T Follicular Helper Cell-Dependent Clearance of a Persistent Virus Infection Requires T Cell Expression of the Histone Demethylase UTX. Immunity, 2015, 43, 703-714.	6.6	76
29	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-L1137.	1.3	75
30	Effects of prenatal exposure to endocrine disruptors and toxic metals on the fetal epigenome. Epigenomics, 2017, 9, 333-350.	1.0	75
31	Placental Cadmium Levels Are Associated with Increased Preeclampsia Risk. PLoS ONE, 2015, 10, e0139341.	1.1	73
32	Epigenetics and Preeclampsia: Defining Functional Epimutations in the Preeclamptic Placenta Related to the TGF-Î² Pathway. PLoS ONE, 2015, 10, e0141294.	1.1	73
33	Arsenic in North Carolina: Public Health Implications. Environment International, 2012, 38, 10-16.	4.8	70
34	Arsenic-Associated Changes to the Epigenome: What Are the Functional Consequences?. Current Environmental Health Reports, 2014, 1, 22-34.	3.2	69
35	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. Reproductive Toxicology, 2020, 98, 1-12.	1.3	67
36	Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. Toxics, 2020, 8, 19.	1.6	66

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37	Towards Prenatal Biomonitoring in North Carolina: Assessing Arsenic, Cadmium, Mercury, and Lead Levels in Pregnant Women. PLoS ONE, 2012, 7, e31354.	1.1	65
38	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. Communications Biology, 2021, 4, 769.	2.0	65
39	Roadmap for investigating epigenome deregulation and environmental origins of cancer. International Journal of Cancer, 2018, 142, 874-882.	2.3	64
40	17Î²-Estradiol and Tamoxifen Prevent Gastric Cancer by Modulating Leukocyte Recruitment and Oncogenic Pathways in Helicobacter Pyloriâ€“Infected INS-GAS Male Mice. Cancer Prevention Research, 2011, 4, 1426-1435.	0.7	63
41	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.	3.9	60
42	Genomic predictors of interindividual differences in response to DNA damaging agents. Genes and Development, 2008, 22, 2621-2626.	2.7	59
43	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.	1.1	57
44	Mechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Research Trends and Scientific Gaps. Environmental Health Perspectives, 2016, 124, 170-175.	2.8	55
45	Cadmium body burden and increased blood pressure in middle-aged American Indians: the Strong Heart Study. Journal of Human Hypertension, 2017, 31, 225-230.	1.0	55
46	The epigenetic effects of a high prenatal folate intake in male mouse fetuses exposed in utero to arsenic. Toxicology and Applied Pharmacology, 2012, 264, 439-450.	1.3	54
47	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 8166-8175.	4.6	53
48	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.	1.4	52
49	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.	2.5	51
50	miRNAs as common regulators of the transforming growth factor (TGF)-Î² 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.	1.8	50
51	Epigenome-wide DNA methylation in placentas from preterm infants: association with maternal socioeconomic status. Epigenetics, 2019, 14, 751-765.	1.3	50
52	Associations between Arsenic Species in Exfoliated Urothelial Cells and Prevalence of Diabetes among Residents of Chihuahua, Mexico. Environmental Health Perspectives, 2014, 122, 1088-1094.	2.8	48
53	Two distinct trophectoderm lineage stem cells from human pluripotent stem cells. Journal of Biological Chemistry, 2021, 296, 100386.	1.6	48
54	Formaldehyde and Epigenetic Alterations: MicroRNA Changes in the Nasal Epithelium of Nonhuman Primates. Environmental Health Perspectives, 2013, 121, 339-344.	2.8	47

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55	Cadmium inhibits placental trophoblast cell migration via miRNA regulation of the transforming growth factor beta (TGF-Î²) pathway. Food and Chemical Toxicology, 2017, 109, 721-726.	1.8	47
56	Influenza enhances caspase-1 in bronchial epithelial cells from asthmatic volunteers and is associated with pathogenesis. Journal of Allergy and Clinical Immunology, 2012, 130, 958-967.e14.	1.5	46
57	Toxic metal levels in children residing in a smelting craft village in Vietnam: a pilot biomonitoring study. BMC Public Health, 2014, 14, 114.	1.2	45
58	Comparative modeling and analysis of microfluidic and conventional DNA microarrays. Analytical Biochemistry, 2006, 348, 284-293.	1.1	44
59	Metabolomic Characteristics of Arsenic-Associated Diabetes in a Prospective Cohort in Chihuahua, Mexico. Toxicological Sciences, 2015, 144, 338-346.	1.4	44
60	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.	1.8	44
61	Comparative genomic analyses identify common molecular pathways modulated upon exposure to low doses of arsenic and cadmium. BMC Genomics, 2011, 12, 173.	1.2	43
62	Genetic and epigenetic mechanisms underlying arsenic-associated diabetes mellitus: a perspective of the current evidence. Epigenomics, 2017, 9, 701-710.	1.0	43
63	Long-Term Health Effects and Underlying Biological Mechanisms of Developmental Exposure to Arsenic. Current Environmental Health Reports, 2018, 5, 134-144.	3.2	43
64	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.	4.6	43
65	Haemâ€regulated eIF2Î± kinase is necessary for adaptive gene expression in erythroid precursors under the stress of iron deficiency. British Journal of Haematology, 2008, 143, 129-137.	1.2	42
66	Origins, fate, and actions of methylated trivalent metabolites of inorganic arsenic: progress and prospects. Archives of Toxicology, 2021, 95, 1547-1572.	1.9	42
67	T1 Relaxation Rate (R1) Indicates Nonlinear Mn Accumulation in Brain Tissue of Welders With Low-Level Exposure. Toxicological Sciences, 2015, 146, 281-289.	1.4	41
68	Discrimination exposure and DNA methylation of stress-related genes in Latina mothers. Psychoneuroendocrinology, 2018, 98, 131-138.	1.3	41
69	Prenatal Arsenic Exposure and Shifts in the Newborn Proteome: Interindividual Differences in Tumor Necrosis Factor (TNF)-Responsive Signaling. Toxicological Sciences, 2014, 139, 328-337.	1.4	40
70	Per- and Polyfluoroalkyl Substances Differentially Inhibit Placental Trophoblast Migration and Invasion InÂVitro. Toxicological Sciences, 2020, 175, 210-219.	1.4	40
71	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.	0.7	38
72	Maternal blood lead concentrations, DNA methylation of MEG3 DMR regulating the DLK1/MEG3 imprinted domain and early growth in a multiethnic cohort. Environmental Epigenetics, 2016, 2, .	0.9	38

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73	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.	1.7	38
74	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.	0.7	37
75	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.	1.3	37
76	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, dvv011.	0.9	36
77	An assessment of serumâ€dependent impacts on intracellular accumulation and genomic response of perâ€and polyfluoroalkyl substances in a placental trophoblast model. Environmental Toxicology, 2020, 35, 1395-1405.	2.1	35
78	Acetaminophen use during pregnancy and DNA methylation in the placenta of the extremely low gestational age newborn (ELGAN) cohort. Environmental Epigenetics, 2019, 5, dvz010.	0.9	34
79	A Toxicogenomic Comparison of Primary and Photochemically Altered Air Pollutant Mixtures. Environmental Health Perspectives, 2011, 119, 1583-1589.	2.8	33
80	Unraveling 50-Year-Old Clues Linking Neurodegeneration and Cancer to Cycad Toxins: Are microRNAs Common Mediators?. Frontiers in Genetics, 2012, 3, 192.	1.1	33
81	Predictors of toxic metal exposures among US women of reproductive age. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 597-612.	1.8	32
82	Changes in Neurodevelopmental Outcomes From Age 2 to 10 Years for Children Born Extremely Preterm. Pediatrics, 2021, 147, .	1.0	32
83	Hepatic Temporal Gene Expression Profiling in Helicobacter hepaticus-Infected A/JCr Mice. Toxicologic Pathology, 2004, 32, 678-693.	0.9	31
84	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, 534-541.	1.3	31
85	Associations of exposure to perfluoroalkyl substances individually and in mixtures with persistent infections: Recent findings from NHANES 1999â€“2016. Environmental Pollution, 2021, 275, 116619.	3.7	31
86	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.	0.7	30
87	Neonatal Metabolomic Profiles Related to Prenatal Arsenic Exposure. Environmental Science & Technology, 2017, 51, 625-633.	4.6	30
88	Airway cells from atopic asthmatic patients exposed to ozone display an enhanced innate immune gene profile. Journal of Allergy and Clinical Immunology, 2012, 129, 259-261.e2.	1.5	29
89	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.	1.0	29
90	Developing novel in vitro methods for the risk assessment of developmental and placental toxicants in the environment. Toxicology and Applied Pharmacology, 2019, 378, 114635.	1.3	29

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91	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.	1.7	28
92	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, 1866-1876.	1.0	27
93	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, 22374-22391.	1.8	27
94	Cellular interactions and biological responses to titanium dioxide nanoparticles in HepG2 and BEASâ€2B cells: Role of cell culture media. Environmental and Molecular Mutagenesis, 2014, 55, 336-342.	0.9	27
95	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-L438.	1.3	26
96	Systems Biology and Birth Defects Prevention: Blockade of the Glucocorticoid Receptor Prevents Arsenic-Induced Birth Defects. Environmental Health Perspectives, 2013, 121, 332-338.	2.8	26
97	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, 1144-1155.	1.7	26
98	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.	1.9	26
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.	1.3	26
100	Genetic and epigenetic factors and early life inflammation as predictors of neurodevelopmental outcomes. Seminars in Fetal and Neonatal Medicine, 2020, 25, 101115.	1.1	26
101	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.	2.6	26
102	Placental CpG methylation of infants born extremely preterm predicts cognitive impairment later in life. PLoS ONE, 2018, 13, e0193271.	1.1	26
103	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.	1.6	25
104	Circulating miRNAs Associated with Arsenic Exposure. Environmental Science & Technology, 2018, 52, 14487-14495.	4.6	25
105	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.	1.7	25
106	Placental programming, perinatal inflammation, and neurodevelopment impairment among those born extremely preterm. Pediatric Research, 2021, 89, 326-335.	1.1	25
107	Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. Nanotoxicology, 2013, 7, 1111-1119.	1.6	24
108	Metabolomic profiles of arsenic (+3 oxidation state) methyltransferase knockout mice: effect of sex and arsenic exposure. Archives of Toxicology, 2017, 91, 189-202.	1.9	24

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109	Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. Clinical Microbiology Reviews, 2019, 32, .	5.7	24
110	Investigating Epigenetic Effects of Prenatal Exposure to Toxic Metals in Newborns: Challenges and Benefits. Medical Epigenetics, 2014, 2, 53-59.	262.3	23
111	Long-term health consequences of prenatal arsenic exposure: links to the genome and the epigenome. Reviews on Environmental Health, 2014, 29, 9-12.	1.1	23
112	Placental microRNAs: Responders to environmental chemicals and mediators of pathophysiology of the human placenta. Toxicology Reports, 2020, 7, 1046-1056.	1.6	23
113	Toxicological Responses of Î±-Pinene-Derived Secondary Organic Aerosol and Its Molecular Tracers in Human Lung Cell Lines. Chemical Research in Toxicology, 2021, 34, 817-832.	1.7	23
114	Genomic phenotyping of the essential and non-essential yeast genome detects novel pathways for alkylation resistance. BMC Systems Biology, 2011, 5, 157.	3.0	22
115	Imprinted Genes and the Environment: Links to the Toxic Metals Arsenic, Cadmium and Lead. Genes, 2014, 5, 477-496.	1.0	22
116	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.	1.3	22
117	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.	1.7	22
118	DNA damage and stress transcripts in Saccharomyces cerevisiae Mutant sgs1. Mechanisms of Ageing and Development, 2003, 124, 839-846.	2.2	21
119	Individuals with increased inflammatory response to ozone demonstrate muted signaling of immune cell trafficking pathways. Respiratory Research, 2012, 13, 89.	1.4	21
120	Environmental contaminants and microRNA regulation: Transcription factors as regulators of toxicant-altered microRNA expression. Toxicology and Applied Pharmacology, 2016, 312, 61-66.	1.3	21
121	High-Throughput Screening Data Interpretation in the Context of In Vivo Transcriptomic Responses to Oral Cr(VI) Exposure. Toxicological Sciences, 2017, 158, 199-212.	1.4	21
122	RNA steadyâ€state defects in myotonic dystrophy are linked to nuclear exclusion of SHARP. EMBO Reports, 2011, 12, 735-742.	2.0	20
123	Identification of endocrine active disinfection by-products (DBPs) that bind to the androgen receptor. Chemosphere, 2017, 187, 114-122.	4.2	20
124	Placental CpG Methylation of Inflammation, Angiogenic, and Neurotrophic Genes and Retinopathy of Prematurity. , 2019, 60, 2888.		20
125	Albuminuria, Hypertension, and Reduced Kidney Volumes in Adolescents Born Extremely Premature. Frontiers in Pediatrics, 2020, 8, 230.	0.9	20
126	Identification of an Analytical Method Interference for Perfluorobutanoic Acid in Biological Samples. Environmental Science and Technology Letters, 2021, 8, 1085-1090.	3.9	20

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127	Placental genomics mediates genetic associations with complex health traits and disease. Nature Communications, 2022, 13, 706.	5.8	20
128	Incorporating ToxCast and Tox21 datasets to rank biological activity of chemicals at Superfund sites in North Carolina. Environment International, 2017, 101, 19-26.	4.8	19
129	Microorganisms in the human placenta are associated with altered CpG methylation of immune and inflammation-related genes. PLoS ONE, 2017, 12, e0188664.	1.1	19
130	Maternal one carbon metabolism and arsenic methylation in a pregnancy cohort in Mexico. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 505-514.	1.8	19
131	The Aryl Hydrocarbon Receptor Pathway: A Key Component of the microRNA-Mediated AML Signalisome. International Journal of Environmental Research and Public Health, 2012, 9, 1939-1953.	1.2	18
132	Increased R2* in the Caudate Nucleus of Asymptomatic Welders. Toxicological Sciences, 2016, 150, 369-377.	1.4	18
133	Urinary trace metals, maternal circulating angiogenic biomarkers, and preeclampsia: a single-contaminant and mixture-based approach. Environmental Health, 2019, 18, 63.	1.7	18
134	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.	3.7	18
135	A role for microRNAs in the epigenetic control of sexually dimorphic gene expression in the human placenta. Epigenomics, 2020, 12, 1543-1558.	1.0	18
136	Catecholamine Release Mediates Pressor Effects of Adrenomedullin-(15-22) in the Rat. Hypertension, 1996, 28, 1041-1046.	1.3	18
137	Genomic biomarkers of prenatal intrauterine inflammation in umbilical cord tissue predict later life neurological outcomes. PLoS ONE, 2017, 12, e0176953.	1.1	18
138	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.	1.3	17
139	The DNA-damage signature in Saccharomyces cerevisiae is associated with single-strand breaks in DNA. BMC Genomics, 2006, 7, 313.	1.2	16
140	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, 731-734.	0.6	16
141	Cadmium disrupts signaling of the hypoxia-inducible (HIF) and transforming growth factor (TGF-Î²) pathways in placental JEG-3 trophoblast cells via reactive oxygen species. Toxicology and Applied Pharmacology, 2018, 342, 108-115.	1.3	16
142	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.	1.3	16
143	Neonatal Cranial Ultrasound Findings among Infants Born Extremely Preterm: Associations with Neurodevelopmental Outcomes at 10ÂYears of Age. Journal of Pediatrics, 2021, 237, 197-205.e4.	0.9	16
144	Dose and temporal effects on gene expression profiles of urothelial cells from rats exposed to diuron. Toxicology, 2014, 325, 21-30.	2.0	15

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145	Cadmium levels in a North Carolina cohort: Identifying risk factors for elevated levels during pregnancy. Journal of Exposure Science and Environmental Epidemiology, 2015, 25, 427-432.	1.8	15
146	Longitudinal T1 relaxation rate (R1) captures changes in short-term Mn exposure in welders. NeuroToxicology, 2016, 57, 39-44.	1.4	15
147	Chronic early childhood exposure to arsenic is associated with a TNF-mediated proteomic signaling response. Environmental Toxicology and Pharmacology, 2017, 52, 183-187.	2.0	15
148	Differential metabolism of inorganic arsenic in mice from genetically diverse Collaborative Cross strains. Archives of Toxicology, 2019, 93, 2811-2822.	1.9	15
149	Early life antecedents of positive child health among 10-year-old children born extremely preterm. Pediatric Research, 2019, 86, 758-765.	1.1	15
150	Transcriptional Networks in S. cerevisiae Linked to an Accumulation of Base Excision Repair Intermediates. PLoS ONE, 2007, 2, e1252.	1.1	14
151	Western Pacific ALS-PDC: a prototypical neurodegenerative disorder linked to DNA damage and aberrant proteogenesis?. Frontiers in Neurology, 2012, 3, 180.	1.1	14
152	Priority Environmental Contaminants. , 2015, , 117-169.		14
153	Association Between Variants in Arsenic (+3 Oxidation State) Methyltranserase (AS3MT) and Urinary Metabolites of Inorganic Arsenic: Role of Exposure Level. Toxicological Sciences, 2016, 153, 112-123.	1.4	14
154	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.	4.8	14
155	Anc1, a Protein Associated with Multiple Transcription Complexes, Is Involved in Postreplication Repair Pathway in S. cerevisiae. PLoS ONE, 2008, 3, e3717.	1.1	14
156	Characterization of a Strong Dominant phytochrome AMutation Unique to Phytochrome A Signal Propagation. Plant Physiology, 2002, 130, 457-465.	2.3	13
157	Transcriptomic responses in the oral cavity of F344 rats and <scp>B6C3F1</scp> mice following exposure to Cr(VI): Implications for risk assessment. Environmental and Molecular Mutagenesis, 2016, 57, 706-716.	0.9	13
158	A Systems Toxicology-based Approach Reveals Biological Pathways Dysregulated by Prenatal Arsenic Exposure. Annals of Global Health, 2018, 82, 189.	0.8	13
159	Assessing Positive Child Health among Individuals Born Extremely Preterm. Journal of Pediatrics, 2018, 202, 44-49.e4.	0.9	13
160	The interplay between environmental exposures and COVID-19 risks in the health of children. Environmental Health, 2021, 20, 34.	1.7	13
161	Investigating the Role of Fetal Gene Expression in Preterm Birth. Reproductive Sciences, 2017, 24, 824-828.	1.1	12
162	Disinfection Byproducts Bind Human Estrogen Receptorâ€Ì±. Environmental Toxicology and Chemistry, 2019, 38, 956-964.	2.2	12

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163	Evaluation of plasma arsenicals as potential biomarkers of exposure to inorganic arsenic. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 718-729.	1.8	12
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