Carrie V Breton

List of Publications by Citations

92	3,749	31	60
papers	citations	h-index	g-index
105	4,682	6.8	4.88
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
92	Prenatal tobacco smoke exposure affects global and gene-specific DNA methylation. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 462-7	10.2	490
91	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. *American Journal of Human Genetics*, **2016**, 98, 680-96	11	489
90	Environmental epigenetics: prospects for studying epigenetic mediation of exposure-response relationships. *Human Genetics*, **2012**, 131, 1565-89	6.3	258
89	Small-Magnitude Effect Sizes in Epigenetic End Points are Important in Children's Environmental Health Studies: The Children's Environmental Health and Disease Prevention Research Center's Epigenetics Working Group. *Environmental Health Perspectives*, **2017**, 125, 511-526	8.4	158
88	Dietary arsenic exposure in bangladesh. *Environmental Health Perspectives*, **2007**, 115, 889-93	8.4	147
87	Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO2 Air Pollution Exposure. *Environmental Health Perspectives*, **2017**, 125, 104-110	8.4	131
86	Genetic and epigenetic variations in inducible nitric oxide synthase promoter, particulate pollution, and exhaled nitric oxide levels in children. *Journal of Allergy and Clinical Immunology*, **2012**, 129, 232-9.e1-7	11.5	97
85	Prenatal tobacco smoke exposure is associated with childhood DNA CpG methylation. *PLoS ONE*, **2014**, 9, e99716	3.7	94
84	Maternal arsenic exposure associated with low birth weight in Bangladesh. *Journal of Occupational and Environmental Medicine*, **2007**, 49, 1097-104	2	93
83	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 2062-2074	11.5	87
82	DNA methylation in the arginase-nitric oxide synthase pathway is associated with exhaled nitric oxide in children with asthma. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 184, 191-7	10.2	85
81	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. *Nature Communications*, **2019**, 10, 1893	17.4	79
80	Particulate matter, DNA methylation in nitric oxide synthase, and childhood respiratory disease. *Environmental Health Perspectives*, **2012**, 120, 1320-6	8.4	76
79	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. *International Journal of Epidemiology*, **2018**, 47, 22-23u	7.8	62
78	Chronic effects of air pollution on respiratory health in Southern California children: findings from the Southern California Children's Health Study. *Journal of Thoracic Disease*, **2015**, 7, 46-58	2.6	60
77	A pathway-based analysis of urinary arsenic metabolites and skin lesions. *American Journal of Epidemiology*, **2011**, 173, 778-86	3.8	59
76	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. *Environmental Health Perspectives*, **2019**, 127, 57012	8.4	58

75	Prenatal Air Pollution Exposures, DNA Methyl Transferase Genotypes, and Associations with Newborn LINE1 and Alu Methylation and Childhood Blood Pressure and Carotid Intima-Media Thickness in the Children's Health Study. *Environmental Health Perspectives*, **2016**, 124, 1905-1912	8.4	56
74	Investigating air pollution and atherosclerosis in humans: concepts and outlook. *Progress in Cardiovascular Diseases*, **2011**, 53, 334-43	8.5	49
73	Maternal Gestational Diabetes Mellitus and Newborn DNA Methylation: Findings From the Pregnancy and Childhood Epigenetics Consortium. *Diabetes Care*, **2020**, 43, 98-105	14.6	45
72	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. *Mitochondrion*, **2019**, 46, 22-29	4.9	44
71	Genetic variation in the glutathione synthesis pathway, air pollution, and children's lung function growth. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 243-8	10.2	41
70	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. *Genome Medicine*, **2020**, 12, 25	14.4	37
69	Heritability and role for the environment in DNA methylation in AXL receptor tyrosine kinase. *Epigenetics*, **2011**, 6, 895-8	5.7	37
68	Childhood air pollutant exposure and carotid artery intima-media thickness in young adults. *Circulation*, **2012**, 126, 1614-20	16.7	37
67	Spatiotemporal Imputation of MAIAC AOD Using Deep Learning with Downscaling. *Remote Sensing of Environment*, **2020**, 237,	13.2	35
66	Ambient Air Pollution Is Associated With the Severity of Coronary Atherosclerosis and Incident Myocardial Infarction in Patients Undergoing Elective Cardiac Evaluation. *Journal of the American Heart Association*, **2016**, 5,	6	35
65	Ambient and Traffic-Related Air Pollution Exposures as Novel Risk Factors for Metabolic Dysfunction and Type 2 Diabetes. *Current Epidemiology Reports*, **2018**, 5, 79-91	2.9	34
64	Susceptibility to arsenic-induced skin lesions from polymorphisms in base excision repair genes. *Carcinogenesis*, **2007**, 28, 1520-5	4.6	33
63	Newborn DNA-methylation, childhood lung function, and the risks of asthma and COPD across the life course. *European Respiratory Journal*, **2019**, 53,	13.6	32
62	Role of inducible nitric oxide synthase in asthma risk and lung function growth during adolescence. *Thorax*, **2010**, 65, 139-45	7.3	32
61	Air Pollution and Epigenetics: Recent Findings. *Current Environmental Health Reports*, **2014**, 1, 35-45	6.5	31
60	HDL anti-oxidant function associates with LDL level in young adults. *Atherosclerosis*, **2014**, 232, 165-70	3.1	29
59	Air pollution and health: emerging information on susceptible populations. *Air Quality, Atmosphere and Health*, **2012**, 5, 189-201	5.6	29
58	Carotid artery intima-media thickness in college students: race/ethnicity matters. *Atherosclerosis*, **2011**, 217, 441-6	3.1	28

57	Variation in the GST mu locus and tobacco smoke exposure as determinants of childhood lung function. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 179, 601-7	10.2	28
56	GSTM1 and APE1 genotypes affect arsenic-induced oxidative stress: a repeated measures study. *Environmental Health*, **2007**, 6, 39	6	27
55	Prenatal Air Pollution Exposure and Early Cardiovascular Phenotypes in Young Adults. *PLoS ONE*, **2016**, 11, e0150825	3.7	27
54	Dysregulated lipid and fatty acid metabolism link perfluoroalkyl substances exposure and impaired glucose metabolism in young adults. *Environment International*, **2020**, 145, 106091	12.9	27
53	The mitochondrial derived peptide humanin is a regulator of lifespan and healthspan. *Aging*, **2020**, 12, 11185-11199	5.6	26
52	cit: hypothesis testing software for mediation analysis in genomic applications. *Bioinformatics*, **2016** , 32, 2364-5	7.2	25
51	Association of Prenatal Exposure to Ambient and Traffic-Related Air Pollution With Newborn Thyroid Function: Findings From the Children's Health Study. *JAMA Network Open*, **2018**, 1, e182172	10.4	25
50	Birth weight and carotid artery intima-media thickness. *Journal of Pediatrics*, **2013**, 162, 906-11.e1-2	3.6	22
49	Prenatal Metal Mixtures and Birth Weight for Gestational Age in a Predominately Lower-Income Hispanic Pregnancy Cohort in Los Angeles. *Environmental Health Perspectives*, **2020**, 128, 117001	8.4	21
48	NOS1 methylation and carotid artery intima-media thickness in children. *Circulation: Cardiovascular Genetics*, **2014**, 7, 116-22		21
47	Downstream targets of let-60 Ras in Caenorhabditis elegans. *Developmental Biology*, **2002**, 247, 127-36	3.1	21
46	Ensemble-based deep learning for estimating PM over California with multisource big data including wildfire smoke. *Environment International*, **2020**, 145, 106143	12.9	21
45	Understanding childhood obesity in the US: the NIH environmental influences on child health outcomes (ECHO) program. *International Journal of Obesity*, **2020**, 44, 617-627	5.5	19
44	Particulate matter, the newborn methylome, and cardio-respiratory health outcomes in childhood. *Environmental Epigenetics*, **2016**, 2, dvw005	2.4	19
43	Study Design, Protocol and Profile of the Maternal And Developmental Risks from Environmental and Social Stressors (MADRES) Pregnancy Cohort: a Prospective Cohort Study in Predominantly Low-Income Hispanic Women in Urban Los Angeles. *BMC Pregnancy and Childbirth*, **2019**, 19, 189	3.2	18
42	Epigenetic regulation of and risk of childhood asthma symptoms. *Clinical Epigenetics*, **2017**, 9, 121	7.7	17
41	Gender-specific protective effect of hemoglobin on arsenic-induced skin lesions. *Cancer Epidemiology Biomarkers and Prevention*, **2006**, 15, 902-7	4	17
40	Near-roadway air pollution exposure and altered fatty acid oxidation among adolescents and young adults - The interplay with obesity. *Environment International*, **2019**, 130, 104935	12.9	16

39	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. *Genome Medicine*, **2020**, 12, 105	14.4	15
38	Cluster-based bagging of constrained mixed-effects models for high spatiotemporal resolution nitrogen oxides prediction over large regions. *Environment International*, **2019**, 128, 310-323	12.9	14
37	Arsenic and birth outcomes in a predominately lower income Hispanic pregnancy cohort in Los Angeles. *Environmental Research*, **2020**, 184, 109294	7.9	14
36	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. *Communications Biology*, **2021**, 4, 769	6.7	12
35	Within-subject effects of environmental and social stressors on pre- and post-partum obesity-related biobehavioral responses in low-income Hispanic women: protocol of an intensive longitudinal study. *BMC Public Health*, **2019**, 19, 253	4.1	11
34	Self-reported prenatal tobacco smoke exposure, AXL gene-body methylation, and childhood asthma phenotypes. *Clinical Epigenetics*, **2018**, 10, 98	7.7	11
33	The Dynamic Relationship Between Asthma and Obesity in Schoolchildren. *American Journal of Epidemiology*, **2020**, 189, 583-591	3.8	11
32	Genetic-Epigenetic Interactions in Asthma Revealed by a Genome-Wide Gene-Centric Search. *Human Heredity*, **2018**, 83, 130-152	1.1	11
31	Associations between Maternal Tobacco Smoke Exposure and the Cord Blood [Formula: see text] DNA Methylome. *Environmental Health Perspectives*, **2019**, 127, 47009	8.4	6
30	Exposure measurement error in air pollution studies: A framework for assessing shared, multiplicative measurement error in ensemble learning estimates of nitrogen oxides. *Environment International*, **2019**, 125, 97-106	12.9	6
29	Exposure Measurement Error in Air Pollution Studies: The Impact of Shared, Multiplicative Measurement Error on Epidemiological Health Risk Estimates. *Air Quality, Atmosphere and Health*, **2020**, 13, 631-643	5.6	6
28	Prenatal ambient air pollution and maternal depression at 12 months postpartum in the MADRES pregnancy cohort. *Environmental Health*, **2021**, 20, 121	6	6
27	Prenatal metal mixtures and fetal size in mid-pregnancy in the MADRES study. *Environmental Research*, **2021**, 196, 110388	7.9	6
26	Exposure to obesogenic endocrine disrupting chemicals and obesity among youth of Latino or Hispanic origin in the United States and Latin America: A lifecourse perspective. *Obesity Reviews*, **2021**, 22 Suppl 3, e13245	10.6	5
25	Demographic predictors of urinary arsenic in a low-income predominantly Hispanic pregnancy cohort in Los Angeles. *Journal of Exposure Science and Environmental Epidemiology*, **2021**, 31, 94-107	6.7	4
24	Association between promoter methylation and lung function growth during adolescence. *Epigenetics*, **2018**, 13, 1027-1038	5.7	4
23	Urinary metals and maternal circulating extracellular vesicle microRNA in the MADRES pregnancy cohort. *Epigenetics*, **2021**, 1-15	5.7	3
22	Prenatal Maternal Cortisol Levels and Infant Birth Weight in a Predominately Low-Income Hispanic Cohort. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3

21	Childhood traffic-related air pollution and adverse changes in subclinical atherosclerosis measures from childhood to adulthood. *Environmental Health*, **2021**, 20, 44	6	3
20	Extracellular vesicle-enriched miRNA profiles across pregnancy in the MADRES cohort. *PLoS ONE*, **2021**, 16, e0251259	3.7	3
19	Bronchial Nitric Oxide Flux May Be Better Associated with Inducible Nitric Oxide Synthase Promoter Methylation. *American Journal of Respiratory and Critical Care Medicine*, **2012**, 185, 461-461	10.2	2
18	Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts. *PLoS ONE*, **2021**, 16, e0245064	3.7	2
17	Disparities in Risks of Inadequate and Excessive Intake of Micronutrients during Pregnancy. *Journal of Nutrition*, **2021**, 151, 3555-3569	4.1	2
16	Meta-analysis of epigenome-wide association studies in newborns and children show widespread sex differences in blood DNA methylation. *Mutation Research - Reviews in Mutation Research*, **2022**, 789, 108415	7	2
15	Prenatal metal(loid) mixtures and birth weight for gestational age: A pooled analysis of three cohorts participating in the ECHO program.. *Environment International*, **2022**, 161, 107102	12.9	1
14	Physical Environment, and Minority Health and Health Disparities Research **2021**, 95-108		1
13	Role of Race, Ethnicity, and Immigration in Perceived Stress and Depressive Symptomatology Trends During Pregnancy. *Journal of Immigrant and Minority Health*, **2021**, 1	2.2	1
12	Analysis of Early-Life Growth and Age at Pubertal Onset in US Children.. *JAMA Network Open*, **2022**, 5, e2146873	10.4	0
11	Invited Perspective: Metal Mixtures and Child Health: The Complex Interplay of Essential and Toxic Elements. *Environmental Health Perspectives*, **2021**, 129, 61301	8.4	0
10	The Role of Childhood Asthma in Obesity Development: A Nationwide US Multicohort Study. *Epidemiology*, **2022**, 33, 131-140	3.1	0
9	Time-activity and daily mobility patterns during pregnancy and early postpartum evidence from the MADRES cohort. *Spatial and Spatio-temporal Epidemiology*, **2022**, 41, 100502	3.5	0
8	Response to letter regarding article, Childhood air pollutant exposure and carotid artery intimaedia thickness in young adults*Circulation*, **2013**, 127, e659	16.7	
7	Exposici a quicos disruptores endrinos obesogicos y obesidad en nis y jvenes de origen latino o hispano en Estados Unidos y Latinoamica: una perspectiva del curso de la vida. *Obesity Reviews*, **2021**, 22 Suppl 5, e13352	10.6	
6	Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts **2021**, 16, e0245064		
5	Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts **2021**, 16, e0245064		
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3 Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts **2021**, 16, e0245064

2 Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts **2021**, 16, e0245064

1 Racial and geographic variation in effects of maternal education and neighborhood-level measures of socioeconomic status on gestational age at birth: Findings from the ECHO cohorts **2021**, 16, e0245064