

Carrie V Breton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5306756/publications.pdf>

Version: 2024-02-01

101
papers

5,484
citations

94433

37
h-index

85541

71
g-index

105
all docs

105
docs citations

105
times ranked

8023
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016, 98, 680-696.	6.2	717
2	Prenatal Tobacco Smoke Exposure Affects Global and Gene-specific DNA Methylation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 462-467.	5.6	541
3	Environmental epigenetics: prospects for studying epigenetic mediation of exposure-response relationships. <i>Human Genetics</i> , 2012, 131, 1565-1589.	3.8	294
4	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. <i>Environmental Health Perspectives</i> , 2017, 125, 511-526.	6.0	243
5	Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO ₂ Air Pollution Exposure. <i>Environmental Health Perspectives</i> , 2017, 125, 104-110.	6.0	176
6	Dietary Arsenic Exposure in Bangladesh. <i>Environmental Health Perspectives</i> , 2007, 115, 889-893.	6.0	160
7	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2062-2074.	2.9	147
8	Maternal Gestational Diabetes Mellitus and Newborn DNA Methylation: Findings From the Pregnancy and Childhood Epigenetics Consortium. <i>Diabetes Care</i> , 2020, 43, 98-105.	8.6	145
9	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019, 10, 1893.	12.8	140
10	Genetic and epigenetic variations in inducible nitric oxide synthase promoter, particulate pollution, and exhaled nitric oxide levels in children. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 232-239.e7.	2.9	116
11	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019, 127, 57012.	6.0	111
12	Prenatal Tobacco Smoke Exposure Is Associated with Childhood DNA CpG Methylation. <i>PLoS ONE</i> , 2014, 9, e99716.	2.5	105
13	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.	1.9	105
14	Maternal Arsenic Exposure Associated With Low Birth Weight in Bangladesh. <i>Journal of Occupational and Environmental Medicine</i> , 2007, 49, 1097-1104.	1.7	101
15	DNA Methylation in the Arginase-Nitric Oxide Synthase Pathway Is Associated with Exhaled Nitric Oxide in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 191-197.	5.6	98
16	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. <i>Environmental Health Perspectives</i> , 2016, 124, 1905-1912.	6.0	83
17	Dysregulated lipid and fatty acid metabolism link perfluoroalkyl substances exposure and impaired glucose metabolism in young adults. <i>Environment International</i> , 2020, 145, 106091.	10.0	83
18	Particulate Matter, DNA Methylation in Nitric Oxide Synthase, and Childhood Respiratory Disease. <i>Environmental Health Perspectives</i> , 2012, 120, 1320-1326.	6.0	81

#	ARTICLE	IF	CITATIONS
19	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. <i>Genome Medicine</i> , 2020, 12, 25.	8.2	81
20	Chronic effects of air pollution on respiratory health in Southern California children: findings from the Southern California Children's Health Study. <i>Journal of Thoracic Disease</i> , 2015, 7, 46-58.	1.4	73
21	Spatiotemporal imputation of MAIAC AOD using deep learning with downscaling. <i>Remote Sensing of Environment</i> , 2020, 237, 111584.	11.0	71
22	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. <i>Mitochondrion</i> , 2019, 46, 22-29.	3.4	70
23	The mitochondrial derived peptide humanin is a regulator of lifespan and healthspan. <i>Aging</i> , 2020, 12, 11185-11199.	3.1	67
24	Investigating Air Pollution and Atherosclerosis in Humans: Concepts and Outlook. <i>Progress in Cardiovascular Diseases</i> , 2011, 53, 334-343.	3.1	66
25	Exploring the evidence for epigenetic regulation of environmental influences on child health across generations. <i>Communications Biology</i> , 2021, 4, 769.	4.4	65
26	A Pathway-based Analysis of Urinary Arsenic Metabolites and Skin Lesions. <i>American Journal of Epidemiology</i> , 2011, 173, 778-786.	3.4	63
27	Ambient and Traffic-Related Air Pollution Exposures as Novel Risk Factors for Metabolic Dysfunction and Type 2 Diabetes. <i>Current Epidemiology Reports</i> , 2018, 5, 79-91.	2.4	53
28	Ambient Air Pollution Is Associated With the Severity of Coronary Atherosclerosis and Incident Myocardial Infarction in Patients Undergoing Elective Cardiac Evaluation. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	51
29	Association of Prenatal Exposure to Ambient and Traffic-Related Air Pollution With Newborn Thyroid Function. <i>JAMA Network Open</i> , 2018, 1, e182172.	5.9	49
30	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. <i>BMC Pregnancy and Childbirth</i> , 2019, 19, 189.	2.4	49
31	Newborn DNA-methylation, childhood lung function, and the risks of asthma and COPD across the life course. <i>European Respiratory Journal</i> , 2019, 53, 1801795.	6.7	48
32	Ensemble-based deep learning for estimating PM2.5 over California with multisource big data including wildfire smoke. <i>Environment International</i> , 2020, 145, 106143.	10.0	48
33	Childhood Air Pollutant Exposure and Carotid Artery Intima-Media Thickness in Young Adults. <i>Circulation</i> , 2012, 126, 1614-1620.	1.6	47
34	Prenatal Metal Mixtures and Birth Weight for Gestational Age in a Predominately Lower-Income Hispanic Pregnancy Cohort in Los Angeles. <i>Environmental Health Perspectives</i> , 2020, 128, 117001.	6.0	46
35	Genetic Variation in the Glutathione Synthesis Pathway, Air Pollution, and Children's Lung Function Growth. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 243-248.	5.6	42
36	cit: hypothesis testing software for mediation analysis in genomic applications. <i>Bioinformatics</i> , 2016, 32, 2364-2365.	4.1	42

#	ARTICLE	IF	CITATIONS
37	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. <i>Genome Medicine</i> , 2020, 12, 105.	8.2	41
38	Heritability and role for the environment in DNA methylation in AXL receptor tyrosine kinase. <i>Epigenetics</i> , 2011, 6, 895-898.	2.7	40
39	Air Pollution and Epigenetics: Recent Findings. <i>Current Environmental Health Reports</i> , 2014, 1, 35-45.	6.7	37
40	Susceptibility to arsenic-induced skin lesions from polymorphisms in base excision repair genes. <i>Carcinogenesis</i> , 2007, 28, 1520-1525.	2.8	36
41	Air pollution and health: emerging information on susceptible populations. <i>Air Quality, Atmosphere and Health</i> , 2012, 5, 189-201.	3.3	36
42	Prenatal Air Pollution Exposure and Early Cardiovascular Phenotypes in Young Adults. <i>PLoS ONE</i> , 2016, 11, e0150825.	2.5	36
43	Role of inducible nitric oxide synthase in asthma risk and lung function growth during adolescence. <i>Thorax</i> , 2010, 65, 139-145.	5.6	35
44	Near-roadway air pollution exposure and altered fatty acid oxidation among adolescents and young adults – The interplay with obesity. <i>Environment International</i> , 2019, 130, 104935.	10.0	35
45	GSTM1 and APE1 genotypes affect arsenic-induced oxidative stress: a repeated measures study. <i>Environmental Health</i> , 2007, 6, 39.	4.0	33
46	Variation in the <i>GSTM1</i> Locus and Tobacco Smoke Exposure as Determinants of Childhood Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 601-607.	5.6	33
47	HDL anti-oxidant function associates with LDL level in young adults. <i>Atherosclerosis</i> , 2014, 232, 165-170.	0.8	33
48	Understanding childhood obesity in the US: the NIH environmental influences on child health outcomes (ECHO) program. <i>International Journal of Obesity</i> , 2020, 44, 617-627.	3.4	32
49	The Dynamic Relationship Between Asthma and Obesity in Schoolchildren. <i>American Journal of Epidemiology</i> , 2020, 189, 583-591.	3.4	32
50	Carotid artery intima-media thickness in college students: Race/ethnicity matters. <i>Atherosclerosis</i> , 2011, 217, 441-446.	0.8	30
51	Birth Weight and Carotid Artery Intima-Media Thickness. <i>Journal of Pediatrics</i> , 2013, 162, 906-911.e2.	1.8	27
52	Particulate matter, the newborn methylome, and cardio-respiratory health outcomes in childhood. <i>Environmental Epigenetics</i> , 2016, 2, dvw005.	1.8	26
53	Arsenic and birth outcomes in a predominately lower income Hispanic pregnancy cohort in Los Angeles. <i>Environmental Research</i> , 2020, 184, 109294.	7.5	26
54	Downstream Targets of let-60 Ras in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2002, 247, 127-136.	2.0	25

#	ARTICLE	IF	CITATIONS
55	Meta-analysis of epigenome-wide association studies in newborns and children show widespread sex differences in blood DNA methylation. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108415.	5.5	24
56	NOS1 Methylation and Carotid Artery Intima-Media Thickness in Children. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 116-122.	5.1	23
57	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. <i>PLoS ONE</i> , 2021, 16, e0245064.	2.5	23
58	Prenatal metal(loid) mixtures and birth weight for gestational age: A pooled analysis of three cohorts participating in the ECHO program. <i>Environment International</i> , 2022, 161, 107102.	10.0	23
59	Epigenetic regulation of AXL and risk of childhood asthma symptoms. <i>Clinical Epigenetics</i> , 2017, 9, 121.	4.1	22
60	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. <i>BMC Public Health</i> , 2019, 19, 253.	2.9	22
61	Prenatal metal mixtures and fetal size in mid-pregnancy in the MADRES study. <i>Environmental Research</i> , 2021, 196, 110388.	7.5	20
62	Gender-Specific Protective Effect of Hemoglobin on Arsenic-Induced Skin Lesions. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 902-907.	2.5	19
63	Disparities in Risks of Inadequate and Excessive Intake of Micronutrients during Pregnancy. <i>Journal of Nutrition</i> , 2021, 151, 3555-3569.	2.9	19
64	Genetic-Epigenetic Interactions in Asthma Revealed by a Genome-Wide Gene-Centric Search. <i>Human Heredity</i> , 2018, 83, 130-152.	0.8	18
65	Cluster-based bagging of constrained mixed-effects models for high spatiotemporal resolution nitrogen oxides prediction over large regions. <i>Environment International</i> , 2019, 128, 310-323.	10.0	17
66	Self-reported prenatal tobacco smoke exposure, AXL gene-body methylation, and childhood asthma phenotypes. <i>Clinical Epigenetics</i> , 2018, 10, 98.	4.1	15
67	Prenatal ambient air pollution and maternal depression at 12 months postpartum in the MADRES pregnancy cohort. <i>Environmental Health</i> , 2021, 20, 121.	4.0	15
68	Associations between Maternal Tobacco Smoke Exposure and the Cord Blood CD4+ DNA Methylome. <i>Environmental Health Perspectives</i> , 2019, 127, 47009.	6.0	13
69	Childhood traffic-related air pollution and adverse changes in subclinical atherosclerosis measures from childhood to adulthood. <i>Environmental Health</i> , 2021, 20, 44.	4.0	13
70	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. <i>Obesity Reviews</i> , 2021, 22, e13245.	6.5	13
71	Analysis of Early-Life Growth and Age at Pubertal Onset in US Children. <i>JAMA Network Open</i> , 2022, 5, e2146873.	5.9	13
72	Urinary metals and maternal circulating extracellular vesicle microRNA in the MADRES pregnancy cohort. <i>Epigenetics</i> , 2022, 17, 1128-1142.	2.7	12

#	ARTICLE	IF	CITATIONS
73	Exposure measurement error in air pollution studies: A framework for assessing shared, multiplicative measurement error in ensemble learning estimates of nitrogen oxides. <i>Environment International</i> , 2019, 125, 97-106.	10.0	11
74	Extracellular vesicle-enriched miRNA profiles across pregnancy in the MADRES cohort. <i>PLoS ONE</i> , 2021, 16, e0251259.	2.5	10
75	Role of Race, Ethnicity, and Immigration in Perceived Stress and Depressive Symptomatology Trends During Pregnancy. <i>Journal of Immigrant and Minority Health</i> , 2022, 24, 561-569.	1.6	10
76	Prenatal Maternal Cortisol Levels and Infant Birth Weight in a Predominately Low-Income Hispanic Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6896.	2.6	9
77	Demographic predictors of urinary arsenic in a low-income predominantly Hispanic pregnancy cohort in Los Angeles. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 94-107.	3.9	9
78	Exposure measurement error in air pollution studies: the impact of shared, multiplicative measurement error on epidemiological health risk estimates. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 631-643.	3.3	7
79	The Role of Childhood Asthma in Obesity Development. <i>Epidemiology</i> , 2022, 33, 131-140.	2.7	7
80	Association between <i>AXL</i> promoter methylation and lung function growth during adolescence. <i>Epigenetics</i> , 2018, 13, 1027-1038.	2.7	6
81	Invited Perspective: Metal Mixtures and Child Health: The Complex Interplay of Essential and Toxic Elements. <i>Environmental Health Perspectives</i> , 2021, 129, 61301.	6.0	4
82	Household pesticide exposures and infant gross motor development in the MADRES cohort. <i>Paediatric and Perinatal Epidemiology</i> , 2022, 36, 220-229.	1.7	4
83	Time-activity and daily mobility patterns during pregnancy and early postpartum “evidence from the MADRES cohort. <i>Spatial and Spatio-temporal Epidemiology</i> , 2022, 41, 100502.	1.7	3
84	In-utero personal exposure to PM2.5 impacted by indoor and outdoor sources and birthweight in the MADRES cohort. <i>Environmental Advances</i> , 2022, 9, 100257.	4.8	3
85	Bronchial Nitric Oxide Flux May Be Better Associated with Inducible Nitric Oxide Synthase Promoter Methylation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 461-461.	5.6	2
86	Response to Letter Regarding Article, “Childhood Air Pollutant Exposure and Carotid Artery Intima-Media Thickness in Young Adults”. <i>Circulation</i> , 2013, 127, e659.	1.6	0
87	Prenatal Air Pollution Exposure and Longitudinal Infant Weight Gain Trajectories. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
88	Widespread Exposure to Emerging and Previously Unmeasured Chemicals in Commerce in Pregnant women Across the US. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
89	Prenatal Perfluoroalkyl Substances and Fetal Growth Trajectories Within the MADRES Pregnancy Cohort. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
90	Personal Exposure to PM2.5 In-Utero and Birthweight in the MADRES Pregnancy Cohort. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0

#	ARTICLE	IF	CITATIONS
91	Perceived Discrimination and Social Isolation Among Postpartum Hispanic Women in the MADRES Pregnancy Cohort Before and After the COVID-19 Pandemic. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
92	EFFECTS OF PRENATAL AIR POLLUTION EXPOSURE ON CHILDHOOD BLOOD PRESSURE AND CAROTID INTIMA-MEDIA THICKNESS. ISEE Conference Abstracts, 2011, 2011, .	0.0	0
93	Exposición a químicos disruptores endocrinos obesogénicos y obesidad en niños y jóvenes de origen latino o hispano en Estados Unidos y Latinoamérica: una perspectiva del curso de la vida. Obesity Reviews, 2021, 22, e13352.	6.5	0
94	Third trimester cortisol is positively associated with gestational weight gain in pregnant women with class one obesity. International Journal of Obesity, 2021, , .	3.4	0
95	Association of Breastfeeding Duration with 12-Month Postpartum Blood Lipids in a Predominately Lower-Income Hispanic Pregnancy Cohort in Los Angeles. International Journal of Environmental Research and Public Health, 2022, 19, 3008.	2.6	0
96	Title is missing!. , 2021, 16, e0245064.		0
97	Title is missing!. , 2021, 16, e0245064.		0
98	Title is missing!. , 2021, 16, e0245064.		0
99	Title is missing!. , 2021, 16, e0245064.		0
100	Title is missing!. , 2021, 16, e0245064.		0
101	Title is missing!. , 2021, 16, e0245064.		0