Andres Cardenas

List of Publications by Citations

103 papers	1,624 citations	24 h-index	37 g-index
115 ext. papers	2,301 ext. citations	6.7 avg, IF	4.92 L-index

#	Paper	IF	Citations
103	Effect of prenatal arsenic exposure on DNA methylation and leukocyte subpopulations in cord blood. *Epigenetics*, **2014**, 9, 774-82	5.7	109
102	Differential DNA methylation in umbilical cord blood of infants exposed to mercury and arsenic in utero. *Epigenetics*, **2015**, 10, 508-15	5.7	91
101	Prenatal Dietary Intake and Blood Metal Concentrations During the 1st Trimester of Pregnancy in Project Viva. *Current Developments in Nutrition*, **2020**, 4, 1438-1438	0.4	78
100	The nasal methylome as a biomarker of asthma and airway inflammation in children. *Nature Communications*, **2019**, 10, 3095	17.4	72
99	Persistent DNA methylation changes associated with prenatal mercury exposure and cognitive performance during childhood. *Scientific Reports*, **2017**, 7, 288	4.9	71
98	Plasma Concentrations of Per- and Polyfluoroalkyl Substances at Baseline and Associations with Glycemic Indicators and Diabetes Incidence among High-Risk Adults in the Diabetes Prevention Program Trial. *Environmental Health Perspectives*, **2017**, 125, 107001	8.4	64
97	In utero arsenic exposure and epigenome-wide associations in placenta, umbilical artery, and human umbilical vein endothelial cells. *Epigenetics*, **2015**, 10, 1054-63	5.7	49
96	Estimating Effects of Arsenic Exposure During Pregnancy on Perinatal Outcomes in a Bangladeshi Cohort. *Epidemiology*, **2016**, 27, 173-81	3.1	49
95	Cross-sectional study of social behaviors in preschool children and exposure to flame retardants. *Environmental Health*, **2017**, 16, 23	6	48
94	Exposure to Low Levels of Lead and Umbilical Cord Blood DNA Methylation in Project Viva: An Epigenome-Wide Association Study. *Environmental Health Perspectives*, **2017**, 125, 087019	8.4	46
93	Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. *Environmental Health Perspectives*, **2017**, 125, 087022	8.4	43
92	Per- and polyfluoroalkyl substances and blood lipid levels in pre-diabetic adults-longitudinal analysis of the diabetes prevention program outcomes study. *Environment International*, **2019**, 129, 343-353	12.9	42
91	Lin28 regulates BMP4 and functions with Oct4 to affect ovarian tumor microenvironment. *Cell Cycle*, **2013**, 12, 88-97	4.7	38
90	Association of Perfluoroalkyl and Polyfluoroalkyl Substances With Adiposity. *JAMA Network Open*, **2018**, 1, e181493	10.4	38
89	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
88	Validation of a DNA methylation reference panel for the estimation of nucleated cells types in cord blood. *Epigenetics*, **2016**, 11, 773-779	5.7	37
87	Effect of Native American fish smoking methods on dietary exposure to polycyclic aromatic hydrocarbons and possible risks to human health. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 6899-906	5.7	31

86	Associations of Perfluoroalkyl and Polyfluoroalkyl Substances With Incident Diabetes and Microvascular Disease. *Diabetes Care*, **2019**, 42, 1824-1832	14.6	30
85	Placental DNA Methylation Adaptation to Maternal Glycemic Response in Pregnancy. *Diabetes*, **2018**, 67, 1673-1683	0.9	29
84	Epigenome-wide association study reveals methylation pathways associated with childhood allergic sensitization. *Epigenetics*, **2019**, 14, 445-466	5.7	28
83	Prenatal maternal antidepressants, anxiety, and depression and offspring DNA methylation: epigenome-wide associations at birth and persistence into early childhood. *Clinical Epigenetics*, **2019**, 11, 56	7.7	26
82	Mediation by Placental DNA Methylation of the Association of Prenatal Maternal Smoking and Birth Weight. *American Journal of Epidemiology*, **2019**, 188, 1878-1886	3.8	25
81	Epigenetic age acceleration is associated with allergy and asthma in children in Project Viva. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 2263-2270.e14	11.5	25
80	The Key Characteristics of Carcinogens: Relationship to the Hallmarks of Cancer, Relevant Biomarkers, and Assays to Measure Them. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 1887-1903	4	25
79	Epigenome-wide association study of total serum immunoglobulin E in children: a life course approach. *Clinical Epigenetics*, **2018**, 10, 55	7.7	24
78	Successful Treatment of Immune Checkpoint Inhibitor-Induced Diabetes With Infliximab. *Diabetes Care*, **2019**, 42, e153-e154	14.6	22
77	Arsenic exposure and prevalence of the varicella zoster virus in the United States: NHANES (2003-2004 and 2009-2010). *Environmental Health Perspectives*, **2015**, 123, 590-6	8.4	19
76	Maternal intake of fried foods and risk of gestational diabetes mellitus. *Annals of Epidemiology*, **2017**, 27, 384-390.e1	6.4	17
75	Prenatal lead exposure and childhood executive function and behavioral difficulties in project viva. *NeuroToxicology*, **2019**, 75, 105-115	4.4	17
74	Dietary characteristics associated with plasma concentrations of per- and polyfluoroalkyl substances among adults with pre-diabetes: Cross-sectional results from the Diabetes Prevention Program Trial. *Environment International*, **2020**, 137, 105217	12.9	17
73	Association of Periconception Paternal Body Mass Index With Persistent Changes in DNA Methylation of Offspring in Childhood. *JAMA Network Open*, **2019**, 2, e1916777	10.4	17
72	Human aging DNA methylation signatures are conserved but accelerated in cultured fibroblasts. *Epigenetics*, **2019**, 14, 961-976	5.7	16
71	Arsenic exposure and the seroprevalence of total hepatitis A antibodies in the US population: NHANES, 2003-2012. *Epidemiology and Infection*, **2016**, 144, 1641-51	4.3	15
70	Interplay of Placental DNA Methylation and Maternal Insulin Sensitivity in Pregnancy. *Diabetes*, **2020**, 69, 484-492	0.9	14
69	DNA methylation in blood as a mediator of the association of mid-childhood body mass index with cardio-metabolic risk score in early adolescence. *Epigenetics*, **2018**, 13, 1072-1087	5.7	14

68	DNA methylation in cord blood as mediator of the association between prenatal arsenic exposure and gestational age. *Epigenetics*, **2018**, 13, 923-940	5.7	14
67	Per- and polyfluoroalkyl substances and blood pressure in pre-diabetic adults-cross-sectional and longitudinal analyses of the diabetes prevention program outcomes study. *Environment International*, **2020**, 137, 105573	12.9	13
66	Trends in urinary arsenic among the U.S. population by drinking water source: Results from the National Health and Nutritional Examinations Survey 2003-2014. *Environmental Research*, **2018**, 162, 8-17	7.9	13
65	Altered cord blood mitochondrial DNA content and pregnancy lead exposure in the PROGRESS cohort. *Environment International*, **2019**, 125, 437-444	12.9	13
64	DNA methylation architecture of the ACE2 gene in nasal cells of children. *Scientific Reports*, **2021**, 11, 7107	4.9	12
63	Cord blood DNA methylation and adiposity measures in early and mid-childhood. *Clinical Epigenetics*, **2017**, 9, 86	7.7	11
62	Cross sectional association of arsenic and seroprevalence of hepatitis B infection in the United States (NHANES 2003-2014). *Environmental Research*, **2018**, 166, 570-576	7.9	11
61	Locus-Specific Differential DNA Methylation and Urinary Arsenic: An Epigenome-Wide Association Study in Blood among Adults with Low-to-Moderate Arsenic Exposure. *Environmental Health Perspectives*, **2020**, 128, 67015	8.4	10
60	Risk behaviors and self-reported illnesses among Pacific Northwest surfers. *Journal of Water and Health*, **2015**, 13, 230-42	2.2	9
59	Cannabis Exposure During Critical Windows of Development: Epigenetic and Molecular Pathways Implicated in Neuropsychiatric Disease. *Current Environmental Health Reports*, **2020**, 7, 325-342	6.5	9
58	Socioeconomic status and DNA methylation from birth through mid-childhood: a prospective study in Project Viva. *Epigenomics*, **2019**, 11, 1413-1427	4.4	8
57	Associations of prenatal or infant exposure to acetaminophen or ibuprofen with mid-childhood executive function and behaviour. *Paediatric and Perinatal Epidemiology*, **2020**, 34, 287-298	2.7	8
56	Blood DNA methylation biomarkers of cumulative lead exposure in adults. *Journal of Exposure Science and Environmental Epidemiology*, **2021**, 31, 108-116	6.7	8
55	Residential Proximity to Major Roadways at Birth, DNA Methylation at Birth and Midchildhood, and Childhood Cognitive Test Scores: Project Viva(Massachusetts, USA). *Environmental Health Perspectives*, **2018**, 126, 97006	8.4	8
54	Mediation Analysis Supports a Causal Relationship between Maternal Hyperglycemia and Placental DNA Methylation Variations at the Leptin Gene Locus and Cord Blood Leptin Levels. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
53	Cord blood DNA methylation of DNMT3A mediates the association between in utero arsenic exposure and birth outcomes: Results from a prospective birth cohort in Bangladesh. *Environmental Research*, **2020**, 183, 109134	7.9	7
52	Prospective Association Between Manganese in Early Pregnancy and the Risk of Preeclampsia. *Epidemiology*, **2020**, 31, 677-680	3.1	7
51	Per- and polyfluoroalkyl substances and kidney function: Follow-up results from the Diabetes Prevention Program trial. *Environment International*, **2021**, 148, 106375	12.9	7

50	Adopting a "Compound" Exposome Approach in Environmental Aging Biomarker Research: A Call to Action for Advancing Racial Health Equity. *Environmental Health Perspectives*, **2021**, 129, 45001	8.4	7
49	Acquired urethral obstruction in New World camelids: 34 cases (1995-2008). *Australian Veterinary Journal*, **2014**, 92, 313-9	1.2	6
48	Maternal adverse childhood experiences before pregnancy are associated with epigenetic aging changes in their children.. *Aging*, **2021**, 13,	5.6	6
47	A Longitudinal Epigenetic Aging and Leukocyte Analysis of Simulated Space Travel: The Mars-500 Mission. *Cell Reports*, **2020**, 33, 108406	10.6	6
46	Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. *Molecular Psychiatry*, **2021**, 26, 1832-1845	15.1	6
45	Early pregnancy exposure to metal mixture and birth outcomes - A prospective study in Project Viva. *Environment International*, **2021**, 156, 106714	12.9	6
44	Exposure to violence, chronic stress, nasal DNA methylation, and atopic asthma in children **2020**,		5
43	Heterogeneous ozone effects on the DNA methylome of bronchial cells observed in a crossover study. *Scientific Reports*, **2020**, 10, 15739	4.9	5
42	Exposure to arsenic at different life-stages and DNA methylation meta-analysis in buccal cells and leukocytes. *Environmental Health*, **2021**, 20, 79	6	5
41	Placental DNA methylation signatures of maternal smoking during pregnancy and potential impacts on fetal growth. *Nature Communications*, **2021**, 12, 5095	17.4	5
40	Relationships of Long-Term Smoking and Moist Snuff Consumption With a DNA Methylation Age Relevant Smoking Index: An Analysis in Buccal Cells. *Nicotine and Tobacco Research*, **2019**, 21, 1267-1273	4.9	4
39	Placental Epigenome-Wide Association Study Identified Loci Associated with Childhood Adiposity at 3 Years of Age. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
38	Diet and erythrocyte metal concentrations in early pregnancy-cross-sectional analysis in Project Viva. *American Journal of Clinical Nutrition*, **2021**, 114, 540-549	7	4
37	Maternal corticotropin-releasing hormone is associated with LEP DNA methylation at birth and in childhood: an epigenome-wide study in Project Viva. *International Journal of Obesity*, **2019**, 43, 1244-1255	5.5	4
36	Controlled human exposures to diesel exhaust: a human epigenome-wide experiment of target bronchial epithelial cells. *Environmental Epigenetics*, **2021**, 7, dvab003	2.4	4
35	Serum dioxin levels and sperm DNA methylation age: Findings in Vietnam war veterans exposed to Agent Orange. *Reproductive Toxicology*, **2020**, 96, 27-35	3.4	3
34	Naphthalene biomarkers and relationship with hemoglobin and hematocrit in White, Black, and Hispanic adults: results from the 2003-2004 National Health and Nutrition Examination Survey. *Journal of Medical Toxicology*, **2013**, 9, 133-8	2.6	3
33	DNA Methylation Architecture of the ACE2 gene in Nasal Cells **2020**,		3

32	Per- and polyfluoroalkyl substances and calcifications of the coronary and aortic arteries in adults with prediabetes: Results from the diabetes prevention program outcomes study. *Environment International*, **2021**, 151, 106446	12.9	3
31	Assessment of Hospital Staff Ƃ Knowledge of Osteopathic Manipulative Medicine: A Survey-Based Study. *Journal of Osteopathic Medicine*, **2016**, 116, 764-769	0.8	3
30	Epigenome-wide association study of maternal hemoglobin A1c in pregnancy and cord blood DNA methylation. *Epigenomics*, **2021**, 13, 203-218	4.4	3
29	DNA methylation as a mediator of associations between the environment and chronic diseases: A scoping review on application of mediation analysis. *Epigenetics*, **2021**, 1-27	5.7	3
28	Residential PM exposure and the nasal methylome in children. *Environment International*, **2021**, 153, 106505	12.9	3
27	Perioperative supplementation of polyunsaturated omega-3 fatty acid for the prevention of atrial fibrillation after cardiothoracic surgery. *American Journal of Health-System Pharmacy*, **2017**, 74, e17-e23	2.2	2
26	Meta-analysis of epigenome-wide associations between DNA methylation at birth and childhood cognitive skills.. *Molecular Psychiatry*, **2022**,	15.1	2
25	Prenatal metal exposure, cord blood DNA methylation and persistence in childhood: an epigenome-wide association study of 12 metals. *Clinical Epigenetics*, **2021**, 13, 208	7.7	2
24	Exposure to violence, chronic stress, nasal DNA methylation, and atopic asthma in children. *Pediatric Pulmonology*, **2021**, 56, 1896-1905	3.5	2
23	Detecting differentially methylated regions with multiple distinct associations. *Epigenomics*, **2021**, 13, 451-464	4.4	2
22	Impact of paternal education on epigenetic ageing in adolescence and mid-adulthood: a multi-cohort study in the USA and Mexico. *International Journal of Epidemiology*, **2021**,	7.8	2
21	Early pregnancy essential and non-essential metal mixtures and gestational glucose concentrations in the 2nd trimester: Results from project viva. *Environment International*, **2021**, 155, 106690	12.9	2
20	Temporal trends of concentrations of per- and polyfluoroalkyl substances among adults with overweight and obesity in the United States: Results from the Diabetes Prevention Program and NHANES. *Environment International*, **2021**, 157, 106789	12.9	2
19	Placenta DNA Methylation Adaptation to Maternal Glucose Tolerance in Pregnancy		1
18	Comparative epigenome-wide analysis highlights placenta-specific differentially methylated regions. *Epigenomics*, **2021**, 13, 357-368	4.4	1
17	Detecting cord blood cell type-specific epigenetic associations with gestational diabetes mellitus and early childhood growth. *Clinical Epigenetics*, **2021**, 13, 131	7.7	1
16	Associations of DNA Methylation Mortality Risk Markers with Congenital Microcephaly from Zika Virus: A Study of Brazilian Children Less than 4 Years of Age. *Journal of Tropical Pediatrics*, **2021**, 67,	1.2	1
15	Prenatal exposure to a mixture of elements and neurobehavioral outcomes in mid-childhood: Results from Project Viva. *Environmental Research*, **2021**, 201, 111540	7.9	1

14	Epigenetic aging biomarkers and occupational exposure to benzene, trichloroethylene and formaldehyde. *Environment International*, **2021**, 158, 106871	12.9	1
13	Added sugar intake during pregnancy: Fetal behavior, birth outcomes, and placental DNA methylation. *Developmental Psychobiology*, **2021**, 63, 878-889	3	1
12	Epigenome-wide association study and epigenetic age acceleration associated with cigarette smoking among Costa Rican adults.. *Scientific Reports*, **2022**, 12, 4277	4.9	1
11	An epigenetic aging analysis of randomized metformin and weight loss interventions in overweight postmenopausal breast cancer survivors.. *Clinical Epigenetics*, **2021**, 13, 224	7.7	1
10	Prospective Associations of Early Pregnancy Metal Mixtures with Mitochondria DNA Copy Number and Telomere Length in Maternal and Cord Blood. *Environmental Health Perspectives*, **2021**, 129, 117007	8.4	0
9	Short- and intermediate-term exposure to ambient fine particulate elements and leukocyte epigenome-wide DNA methylation in older men: the Normative Aging Study. *Environment International*, **2021**, 158, 106955	12.9	0
8	Dietary fat intake during early pregnancy is associated with cord blood DNA methylation at IGF2 and H19 genes in newborns. *Environmental and Molecular Mutagenesis*, **2021**, 62, 388-398	3.2	0
7	Adequate Prenatal Maternal Folate-An Additional Intervention Strategy Among Populations Affected by Prenatal Lead Exposure?. *JAMA Network Open*, **2019**, 2, e1912334	10.4	0
6	Early-pregnancy maternal body mass index is associated with common DNA methylation markers in cord blood and placenta: a paired-tissue epigenome-wide association study. *Epigenetics*, **2021**, 1-11	5.7	0
5	Associations between an integrated component of maternal glycemic regulation in pregnancy and cord blood DNA methylation. *Epigenomics*, **2021**, 13, 1459-1472	4.4	0
4	Association of DNA methylation in circulating CD4+T cells with short-term PM2.5 pollution waves: A quasi-experimental study of healthy young adults. *Ecotoxicology and Environmental Safety*, **2022**, 239, 113634	7	0
3	Cardenas et al. Reply to "DNA Methylation and Prenatal Exposures". *American Journal of Epidemiology*, **2019**, 188, 1890-1891	3.8	
2	Prenatal depression and offspring DNA methylation **2021**, 537-545		
1	Nasal epigenetic age and systemic steroid response in pediatric emergency department asthma patients. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**,	9.3	