

Andrea A Baccarelli

List of Publications by Year in descending order

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Version: 2024-02-01

339
papers

22,413
citations

14655

66
h-index

12946

131
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351
all docs

351
docs citations

351
times ranked

22592
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | White matter microstructural variability linked to differential attentional skills and impulsive behavior in a pediatric population. <i>Cerebral Cortex</i> , 2023, 33, 1895-1912. | 2.9 | 5 |
| 2 | A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators. <i>Epigenetics</i> , 2022, 17, 32-40. | 2.7 | 8 |
| 3 | Large-Scale Hypothesis Testing for Causal Mediation Effects with Applications in Genome-wide Epigenetic Studies. <i>Journal of the American Statistical Association</i> , 2022, 117, 67-81. | 3.1 | 35 |
| 4 | Impact of paternal education on epigenetic ageing in adolescence and mid-adulthood: a multi-cohort study in the USA and Mexico. <i>International Journal of Epidemiology</i> , 2022, 51, 870-884. | 1.9 | 6 |
| 5 | Associations between infant sex and DNA methylation across umbilical cord blood, artery, and placenta samples. <i>Epigenetics</i> , 2022, 17, 1080-1097. | 2.7 | 14 |
| 6 | Prenatal maternal phthalate exposures and trajectories of childhood adiposity from four to twelve years. <i>Environmental Research</i> , 2022, 204, 112111. | 7.5 | 8 |
| 7 | Critical windows of perinatal particulate matter (PM2.5) exposure and preadolescent kidney function. <i>Environmental Research</i> , 2022, 204, 112062. | 7.5 | 5 |
| 8 | Role of brain extracellular vesicles in air pollution-related cognitive impairment and neurodegeneration. <i>Environmental Research</i> , 2022, 204, 112316. | 7.5 | 13 |
| 9 | Prenatal particulate matter exposure and mitochondrial mutational load at the maternal-fetal interface: Effect modification by genetic ancestry. <i>Mitochondrion</i> , 2022, 62, 102-110. | 3.4 | 8 |
| 10 | Marine pollutant exposures and human milk extracellular vesicle-microRNAs in a mother-infant cohort from the Faroe Islands. <i>Environment International</i> , 2022, 158, 106986. | 10.0 | 11 |
| 11 | Department Chairs Weigh In: Environmental Health Education Is More Essential Than Ever. <i>American Journal of Public Health</i> , 2022, 112, 75-76. | 2.7 | 0 |
| 12 | The relationship between persistent organic pollutants and Attention Deficit Hyperactivity Disorder phenotypes: Evidence from task-based neural activity in an observational study of a community sample of Canadian mother-child dyads. <i>Environmental Research</i> , 2022, 206, 112593. | 7.5 | 7 |
| 13 | Prenatal lead exposure, telomere length in cord blood, and DNA methylation age in the PROGRESS prenatal cohort. <i>Environmental Research</i> , 2022, 205, 112577. | 7.5 | 11 |
| 14 | Associations of Childhood and Perinatal Blood Metals with Children's Gut Microbiomes in a Canadian Gestation Cohort. <i>Environmental Health Perspectives</i> , 2022, 130, 17007. | 6.0 | 13 |
| 15 | DunedinPACE, a DNA methylation biomarker of the pace of aging. <i>ELife</i> , 2022, 11, . | 6.0 | 214 |
| 16 | Prenatal phthalates, gestational weight gain, and long-term weight changes among Mexican women. <i>Environmental Research</i> , 2022, 209, 112835. | 7.5 | 4 |
| 17 | An exposomic framework to uncover environmental drivers of aging. <i>Exposome</i> , 2022, 2, osac002. | 2.8 | 12 |
| 18 | Mid-life epigenetic age, neuroimaging brain age, and cognitive function: coronary artery risk development in young adults (CARDIA) study. <i>Aging</i> , 2022, 14, 1691-1712. | 3.1 | 16 |

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|----|---|------|-----------|
| 19 | Gestational Perfluoroalkyl Substance Exposure and DNA Methylation at Birth and 12 Years of Age: A Longitudinal Epigenome-Wide Association Study. <i>Environmental Health Perspectives</i> , 2022, 130, 37005. | 6.0 | 24 |
| 20 | Association of Prenatal Acetaminophen Exposure Measured in Meconium With Adverse Birth Outcomes in a Canadian Birth Cohort. <i>Frontiers in Pediatrics</i> , 2022, 10, 828089. | 1.9 | 0 |
| 21 | Predicting chemical ecotoxicity by learning latent space chemical representations. <i>Environment International</i> , 2022, 163, 107224. | 10.0 | 5 |
| 22 | The role of outdoor and indoor air quality in the spread of SARS-CoV-2: Overview and recommendations by the research group on COVID-19 and particulate matter (RESCOP commission). <i>Environmental Research</i> , 2022, 211, 113038. | 7.5 | 42 |
| 23 | Environmental Exposures and Extracellular Vesicles: Indicators of Systemic Effects and Human Disease. <i>Current Environmental Health Reports</i> , 2022, 9, 465-476. | 6.7 | 18 |
| 24 | Integrative analysis of clinical and epigenetic biomarkers of mortality. <i>Aging Cell</i> , 2022, 21, e13608. | 6.7 | 8 |
| 25 | Pulmonary Function and Blood DNA Methylation: A Multiancestry Epigenome-Wide Association Meta-analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 321-336. | 5.6 | 15 |
| 26 | DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. <i>Nature Communications</i> , 2022, 13, 2408. | 12.8 | 26 |
| 27 | Gaseous air pollutants and DNA methylation in a methylome-wide association study of an ethnically and environmentally diverse population of U.S. adults. <i>Environmental Research</i> , 2022, 212, 113360. | 7.5 | 7 |
| 28 | Association of DNA methylation in circulating CD4+T cells with short-term PM2.5 pollution waves: A quasi-experimental study of healthy young adults. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113634. | 6.0 | 3 |
| 29 | Environmentally Just Futures: A Collection of Community-Driven African Environmental Education and Improvement Initiatives. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6622. | 2.6 | 2 |
| 30 | Predictors of patterns of weight change 1 year after delivery in a cohort of Mexican women. <i>Public Health Nutrition</i> , 2021, 24, 4113-4123. | 2.2 | 4 |
| 31 | Prenatal gestational diabetes mellitus exposure and accelerated offspring DNA methylation age in early childhood. <i>Epigenetics</i> , 2021, 16, 186-195. | 2.7 | 25 |
| 32 | Associations between maternal lifetime stressors and negative events in pregnancy and breast milk-derived extracellular vesicle microRNAs in the programming of intergenerational stress mechanisms (PRISM) pregnancy cohort. <i>Epigenetics</i> , 2021, 16, 389-404. | 2.7 | 20 |
| 33 | Testing cell-type-specific mediation effects in genome-wide epigenetic studies. <i>Briefings in Bioinformatics</i> , 2021, 22, . | 6.5 | 5 |
| 34 | Prenatal maternal phthalate exposures and child lipid and adipokine levels at age six: A study from the PROGRESS cohort of Mexico City. <i>Environmental Research</i> , 2021, 192, 110341. | 7.5 | 13 |
| 35 | DNA methylation-based biomarkers of age acceleration and all-cause death, myocardial infarction, stroke, and cancer in two cohorts: The NAS, and KORA F4. <i>EBioMedicine</i> , 2021, 63, 103151. | 6.1 | 42 |
| 36 | Cord blood androgen levels of females from same sex and opposite sex twins – A pilot study. <i>Clinical Endocrinology</i> , 2021, 94, 85-89. | 2.4 | 2 |

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|----|--|------|-----------|
| 37 | Blood DNA methylation biomarkers of cumulative lead exposure in adults. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 108-116. | 3.9 | 21 |
| 38 | Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. <i>Molecular Psychiatry</i> , 2021, 26, 1832-1845. | 7.9 | 24 |
| 39 | Hallmarks of environmental insults. <i>Cell</i> , 2021, 184, 1455-1468. | 28.9 | 177 |
| 40 | Mental Health of High-Risk Urban Youth: The Housing Subsidies Paradox. <i>Race and Social Problems</i> , 2021, 13, 22-33. | 2.2 | 0 |
| 41 | Long-term PM2.5 exposure before diagnosis is associated with worse outcome in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2021, 188, 525-533. | 2.5 | 8 |
| 42 | DNA methylation architecture of the ACE2 gene in nasal cells of children. <i>Scientific Reports</i> , 2021, 11, 7107. | 3.3 | 21 |
| 43 | Associations Between Maternal Lifetime Stress and Placental Mitochondrial DNA Mutations in an Urban Multiethnic Cohort. <i>Biological Psychiatry</i> , 2021, 89, 570-578. | 1.3 | 11 |
| 44 | Human milk extracellular vesicle miRNA expression and associations with maternal characteristics in a population-based cohort from the Faroe Islands. <i>Scientific Reports</i> , 2021, 11, 5840. | 3.3 | 34 |
| 45 | Nanoparticle Tracking Analysis for the Quantification and Size Determination of Extracellular Vesicles. <i>Journal of Visualized Experiments</i> , 2021, , . | 0.3 | 21 |
| 46 | Epigenome-wide association study of kidney function identifies trans-ethnic and ethnic-specific loci. <i>Genome Medicine</i> , 2021, 13, 74. | 8.2 | 20 |
| 47 | Exosomal miRNAs in urine associated with children's cardiorenal parameters: a cross-sectional study. <i>Epigenomics</i> , 2021, 13, 499-512. | 2.1 | 3 |
| 48 | Short-term air pollution, cognitive performance and nonsteroidal anti-inflammatory drug use in the Veterans Affairs Normative Aging Study. <i>Nature Aging</i> , 2021, 1, 430-437. | 11.6 | 33 |
| 49 | The association between prenatal concentrations of polybrominated diphenyl ether and child cognitive and psychomotor function. <i>Environmental Epidemiology</i> , 2021, 5, e156. | 3.0 | 3 |
| 50 | A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. <i>Nature Communications</i> , 2021, 12, 3987. | 12.8 | 18 |
| 51 | Epigenetic Aging Biomarkers Associated With Cognitive Impairment in Older African American Adults With Human Immunodeficiency Virus (HIV). <i>Clinical Infectious Diseases</i> , 2021, 73, 1982-1991. | 5.8 | 14 |
| 52 | DNAm-based signatures of accelerated aging and mortality in blood are associated with low renal function. <i>Clinical Epigenetics</i> , 2021, 13, 121. | 4.1 | 13 |
| 53 | Dietary fat intake during early pregnancy is associated with cord blood DNA methylation at <i>IGF2</i> and <i>H19</i> genes in newborns. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 388-398. | 2.2 | 9 |
| 54 | Placental mitochondrial DNA mutational load and perinatal outcomes: Findings from a multi-ethnic pregnancy cohort. <i>Mitochondrion</i> , 2021, 59, 267-275. | 3.4 | 8 |

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|----|---|------|-----------|
| 55 | Telomere dynamics across the early life course: Findings from a longitudinal study in children. Psychoneuroendocrinology, 2021, 129, 105270. | 2.7 | 10 |
| 56 | Risks of Macrosomia Associated with Catechol-O-Methyltransferase Genotypes and Geneticâ€“Epigenetic Interactions among Children with and without Gestational Diabetes Exposure. Childhood Obesity, 2021, 17, 365-370. | 1.5 | 0 |
| 57 | Causal mediation analysis with latent subgroups. Statistics in Medicine, 2021, 40, 5628-5641. | 1.6 | 1 |
| 58 | Prenatal Household Air Pollution Exposure, Cord Blood Mononuclear Cell Telomere Length and Age Four Blood Pressure: Evidence from a Ghanaian Pregnancy Cohort. Toxics, 2021, 9, 169. | 3.7 | 12 |
| 59 | Epigenetically mediated electrocardiographic manifestations of sub-chronic exposures to ambient particulate matter air pollution in the Women's Health Initiative and Atherosclerosis Risk in Communities Study. Environmental Research, 2021, 198, 111211. | 7.5 | 4 |
| 60 | Assessing the Effects of Metal Mixtures in Urine and Blood on Kidney Function. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 61 | Associations between air pollution and temperature on glycated hemoglobin levels in women of child bearing age. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 62 | Critical windows of perinatal particulate matter (PM2.5) exposure and preadolescent kidney function. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 63 | Epigenetic Age in Young African American Adults With Perinatally Acquired HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, 87, 1102-1109. | 2.1 | 9 |
| 64 | Blood DNA Methylation and Incident Coronary Heart Disease. JAMA Cardiology, 2021, 6, 1237. | 6.1 | 24 |
| 65 | The Hallmarks of Aging and Environmental Insults: Molecular Mechanisms. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 66 | Metal exposure and bone remodeling during pregnancy: Results from the PROGRESS cohort study. Environmental Pollution, 2021, 282, 116962. | 7.5 | 11 |
| 67 | Prenatal lead exposure, telomere length in cord blood and DNA methylation age in the PROGRESS cohort. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 68 | Residential PM2.5 exposure and the nasal methylome in children. Environment International, 2021, 153, 106505. | 10.0 | 10 |
| 69 | Long-term particulate matter exposure and bone mineral density in the Womenâ€™s Health Initiative. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 70 | Associations between liver PFAS concentrations and plasma extracellular miRNAs in a cohort of adolescents undergoing bariatric surgery. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 71 | Nasal DNA Methylation Architecture of the {ACE2} gene and Epigenetic Aging. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 72 | Nephrotoxic Metal Mixtures and Preadolescent Kidney Function. Children, 2021, 8, 673. | 1.5 | 5 |

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|----|--|------|-----------|
| 73 | Associations between maternal asthma and atopy and breast milk-derived extracellular vesicle microRNA profiles in the PRISM pregnancy cohort. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 74 | Associations between indoor temperature and noise and semen parameters among participants in the US-based general population Growing Up Today Study. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 75 | Infant sex and DNA methylation: differentially methylated regions and positions across umbilical cord blood, artery, and placenta samples. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 1 |
| 76 | Prenatal metal exposure, cord blood DNA methylation and persistence in childhood: epigenome-wide association study of twelve metals. ISEE Conference Abstracts, 2021, 2021, . | 0.0 | 0 |
| 77 | Novel epigenetic link between gestational diabetes mellitus and macrosomia. Epigenomics, 2021, 13, 1221-1230. | 2.1 | 4 |
| 78 | In Utero Exposure to Persistent Organic Pollutants and Childhood Lipid Levels. Metabolites, 2021, 11, 657. | 2.9 | 10 |
| 79 | Prenatal blood lead levels and reduced preadolescent glomerular filtration rate: Modification by body mass index. Environment International, 2021, 154, 106414. | 10.0 | 10 |
| 80 | Effect of School Integrated Pest Management or Classroom Air Filter Purifiers on Asthma Symptoms in Students With Active Asthma. JAMA - Journal of the American Medical Association, 2021, 326, 839. | 7.4 | 45 |
| 81 | Short-Term Ambient Particulate Air Pollution and Hospitalization Expenditures of Cause-Specific Cardiorespiratory Diseases in China: A Multicity Analysis. The Lancet Regional Health - Western Pacific, 2021, 15, 100232. | 2.9 | 15 |
| 82 | Prenatal urinary concentrations of phthalate metabolites and behavioral problems in Mexican children: The Programming Research in Obesity, Growth Environment and Social Stress (PROGRESS) study. Environmental Research, 2021, 201, 111338. | 7.5 | 6 |
| 83 | Short-term exposure to PM2.5 components and renal health: Findings from the Veterans Affairs Normative Aging Study. Journal of Hazardous Materials, 2021, 420, 126557. | 12.4 | 20 |
| 84 | The associations of phthalate biomarkers during pregnancy with later glycemia and lipid profiles. Environment International, 2021, 155, 106612. | 10.0 | 14 |
| 85 | L-arginine supplementation to mitigate cardiovascular effects of walking outside in the context of traffic-related air pollution in participants with elevated blood pressure: A randomized, double-blind, placebo-controlled trial. Environment International, 2021, 156, 106631. | 10.0 | 5 |
| 86 | Isolation and characterization of extracellular vesicles in saliva of children with asthma. , 2021, 2, 29-48. | | 11 |
| 87 | Extracellular vesicles and female reproduction. Journal of Assisted Reproduction and Genetics, 2021, 38, 549-557. | 2.5 | 17 |
| 88 | Special focus issue on epigenomics and health disparities: foreword. Epigenomics, 2021, 13, 1673-1676. | 2.1 | 0 |
| 89 | Stress and spirituality in relation to HPA axis gene methylation among US Black women: results from the Black Women's Health Study and the Study on Stress, Spirituality and Health. Epigenomics, 2021, 13, 1711-1734. | 2.1 | 3 |
| 90 | Is your environment making you older? Molecular biomarkers and new approaches to investigate the influences of environmental chemicals through aging. Medicina Del Lavoro, 2021, 112, 8-14. | 0.4 | 3 |

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|-----|--|------|-----------|
| 91 | Prospective Associations of Early Pregnancy Metal Mixtures with Mitochondria DNA Copy Number and Telomere Length in Maternal and Cord Blood. <i>Environmental Health Perspectives</i> , 2021, 129, 117007. | 6.0 | 28 |
| 92 | Mitochondrial DNA Copy Number Adaptation as a Biological Response Derived from an Earthquake at Intrauterine Stage. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11771. | 2.6 | 3 |
| 93 | Prenatal metal exposure, cord blood DNA methylation and persistence in childhood: an epigenome-wide association study of 12 metals. <i>Clinical Epigenetics</i> , 2021, 13, 208. | 4.1 | 20 |
| 94 | Epigenome-wide association study of serum urate reveals insights into urate co-regulation and the SLC2A9 locus. <i>Nature Communications</i> , 2021, 12, 7173. | 12.8 | 8 |
| 95 | Meta-analyses identify DNA methylation associated with kidney function and damage. <i>Nature Communications</i> , 2021, 12, 7174. | 12.8 | 30 |
| 96 | Maternal Phthalates Exposure and Blood Pressure during and after Pregnancy in the PROGRESS Study. <i>Environmental Health Perspectives</i> , 2021, 129, 127007. | 6.0 | 11 |
| 97 | Nonsteroidal Antiinflammatory Drugs Modify the Effect of Short-Term Air Pollution on Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 374-378. | 5.6 | 12 |
| 98 | 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 |
| 99 | Age-related DNA hydroxymethylation is enriched for gene expression and immune system processes in human peripheral blood. <i>Epigenetics</i> , 2020, 15, 294-306. | 2.7 | 8 |
| 100 | Battle of epigenetic proportions: comparing Illumina® EPIC methylation microarrays and TruSeq targeted bisulfite sequencing. <i>Epigenetics</i> , 2020, 15, 174-182. | 2.7 | 26 |
| 101 | Physical activity, sedentary time and cardiometabolic health indicators among Mexican children. <i>Clinical Obesity</i> , 2020, 10, e12346. | 2.0 | 3 |
| 102 | Leukocyte Traits and Exposure to Ambient Particulate Matter Air Pollution in the Women's Health Initiative and Atherosclerosis Risk in Communities Study. <i>Environmental Health Perspectives</i> , 2020, 128, 17004. | 6.0 | 17 |
| 103 | Identifying critical windows of prenatal particulate matter (PM2.5) exposure and early childhood blood pressure. <i>Environmental Research</i> , 2020, 182, 109073. | 7.5 | 36 |
| 104 | Accelerating the Search for Interventions Aimed at Expanding the Health Span in Humans: The Role of Epidemiology. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 77-86. | 3.6 | 7 |
| 105 | Association of Prenatal Acetaminophen Exposure Measured in Meconium With Risk of Attention-Deficit/Hyperactivity Disorder Mediated by Frontoparietal Network Brain Connectivity. <i>JAMA Pediatrics</i> , 2020, 174, 1073. | 6.2 | 31 |
| 106 | Association of Neutrophil to Lymphocyte Ratio With Pulmonary Function in a 30-Year Longitudinal Study of US Veterans. <i>JAMA Network Open</i> , 2020, 3, e2010350. | 5.9 | 18 |
| 107 | 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 |
| 108 | Association of ambient PM2.5 exposure with maternal bone strength in pregnant women from Mexico City: a longitudinal cohort study. <i>Lancet Planetary Health</i> , The, 2020, 4, e530-e537. | 11.4 | 12 |

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|-----|--|-------|-----------|
| 109 | Age and mitochondrial DNA copy number influence the association between outdoor temperature and cognitive function. <i>Environmental Epidemiology</i> , 2020, 4, e0108. | 3.0 | 8 |
| 110 | Outdoor air pollution and cancer: An overview of the current evidence and public health recommendations. <i>Ca-A Cancer Journal for Clinicians</i> , 2020, 70, 460-479. | 329.8 | 348 |
| 111 | Methylome-wide association study of central adiposity implicates genes involved in immune and endocrine systems. <i>Epigenomics</i> , 2020, 12, 1483-1499. | 2.1 | 6 |
| 112 | Pregnancy-associated changes in cervical noncoding RNA. <i>Epigenomics</i> , 2020, 12, 1013-1025. | 2.1 | 3 |
| 113 | Prenatal lead exposure and cord blood DNA methylation in PROGRESS: an epigenome-wide association study. <i>Environmental Epigenetics</i> , 2020, 6, dvaa014. | 1.8 | 14 |
| 114 | Prenatal particulate air pollution and newborn telomere length: Effect modification by maternal antioxidant intakes and infant sex. <i>Environmental Research</i> , 2020, 187, 109707. | 7.5 | 39 |
| 115 | Glucose metabolism among obese and non-obese children of mothers with gestational diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000822. | 2.8 | 4 |
| 116 | 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 |
| 117 | Phthalate Exposures and MicroRNA Expression in Uterine Fibroids: The FORGE Study. <i>Epigenetics Insights</i> , 2020, 13, 251686572090405. | 2.0 | 32 |
| 118 | Trends and Patterns of Phthalates and Phthalate Alternatives Exposure in Pregnant Women from Mexico City during 2007–2010. <i>Environmental Science & Technology</i> , 2020, 54, 1740-1749. | 10.0 | 33 |
| 119 | Patterns of Weight Change One Year after Delivery Are Associated with Cardiometabolic Risk Factors at Six Years Postpartum in Mexican Women. <i>Nutrients</i> , 2020, 12, 170. | 4.1 | 16 |
| 120 | Modification of the effects of prenatal manganese exposure on child neurodevelopment by maternal anemia and iron deficiency. <i>Pediatric Research</i> , 2020, 88, 325-333. | 2.3 | 15 |
| 121 | Fine particulate matter exposure and lipid levels among children in Mexico city. <i>Environmental Epidemiology</i> , 2020, 4, e088. | 3.0 | 14 |
| 122 | Molecular and cellular mechanisms linking air pollution and bone damage. <i>Environmental Research</i> , 2020, 185, 109465. | 7.5 | 47 |
| 123 | Methylparaben in meconium and risk of maternal thyroid dysfunction, adverse birth outcomes, and Attention-Deficit Hyperactivity Disorder (ADHD). <i>Environment International</i> , 2020, 139, 105716. | 10.0 | 42 |
| 124 | Epigenetic Intergenerational Transmission: Mothers'™ Adverse Childhood Experiences and DNA Methylation. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020, 59, 900-901. | 0.5 | 13 |
| 125 | Associations between daily ambient temperature and sedentary time among children 4–6 years old in Mexico City. <i>PLoS ONE</i> , 2020, 15, e0241446. | 2.5 | 4 |
| 126 | Mitochondria and aging in older individuals: an analysis of DNA methylation age metrics, leukocyte telomere length, and mitochondrial DNA copy number in the VA normative aging study. <i>Aging</i> , 2020, 12, 2070-2083. | 3.1 | 26 |

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|-----|--|------|-----------|
| 127 | Biomarkers of aging and lung function in the normative aging study. <i>Aging</i> , 2020, 12, 11942-11966. | 3.1 | 15 |
| 128 | Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020, 12, 14092-14124. | 3.1 | 15 |
| 129 | Accelerated epigenetic aging as a risk factor for chronic obstructive pulmonary disease and decreased lung function in two prospective cohort studies. <i>Aging</i> , 2020, 12, 16539-16554. | 3.1 | 13 |
| 130 | Quantification of the pace of biological aging in humans through a blood test, the DunedinPoAm DNA methylation algorithm. <i>ELife</i> , 2020, 9, . | 6.0 | 268 |
| 131 | Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019, 140, 645-657. | 1.6 | 151 |
| 132 | Effects of Physical Exercise on Endothelial Function and DNA Methylation. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2530. | 2.6 | 30 |
| 133 | Smoking-Related DNA Methylation is Associated with DNA Methylation Phenotypic Age Acceleration: The Veterans Affairs Normative Aging Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2356. | 2.6 | 22 |
| 134 | The nasal methylome as a biomarker of asthma and airway inflammation in children. <i>Nature Communications</i> , 2019, 10, 3095. | 12.8 | 129 |
| 135 | Short-term ambient particle radioactivity level and renal function in older men: Insight from the Normative Aging Study. <i>Environment International</i> , 2019, 131, 105018. | 10.0 | 13 |
| 136 | Effect of particulate matter-bound metals exposure on prothrombotic biomarkers: A systematic review. <i>Environmental Research</i> , 2019, 177, 108573. | 7.5 | 58 |
| 137 | Joint Associations of Maternal Gestational Diabetes and Hypertensive Disorders of Pregnancy With Overweight in Offspring. <i>Frontiers in Endocrinology</i> , 2019, 10, 645. | 3.5 | 15 |
| 138 | The Human Exposome. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1329-1331. | 2.8 | 2 |
| 139 | miRNA Profiles in Extracellular Vesicles From Serum Early in Pregnancies Complicated by Gestational Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5157-5169. | 3.6 | 95 |
| 140 | Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. <i>Epigenomics</i> , 2019, 11, 1487-1500. | 2.1 | 64 |
| 141 | Supraphysiological Concentrations of Bisphenol A Alter the Expression of Extracellular Vesicle-Enriched miRNAs From Human Primary Granulosa Cells. <i>Toxicological Sciences</i> , 2019, 169, 5-13. | 3.1 | 18 |
| 142 | Methylome-wide association study provides evidence of particulate matter air pollution-associated DNA methylation. <i>Environment International</i> , 2019, 132, 104723. | 10.0 | 58 |
| 143 | Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. <i>Hypertension</i> , 2019, 74, 375-383. | 2.7 | 73 |
| 144 | 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 |

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|-----|--|------|-----------|
| 145 | An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , 2019, 10, 2581. | 12.8 | 62 |
| 146 | Prenatal salivary sex hormone levels and birth-weight-for-gestational age. <i>Journal of Perinatology</i> , 2019, 39, 941-948. | 2.0 | 11 |
| 147 | Ambient particulate air pollution and circulating C-reactive protein level: A systematic review and meta-analysis. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 756-764. | 4.3 | 70 |
| 148 | DNA methylation GrimAge strongly predicts lifespan and healthspan. <i>Aging</i> , 2019, 11, 303-327. | 3.1 | 1,128 |
| 149 | Comparative validation of an epigenetic mortality risk score with three aging biomarkers for predicting mortality risks among older adult males. <i>International Journal of Epidemiology</i> , 2019, 48, 1958-1971. | 1.9 | 25 |
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| 151 | Epigenome-wide association study reveals methylation pathways associated with childhood allergic sensitization. <i>Epigenetics</i> , 2019, 14, 445-466. | 2.7 | 43 |
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