

# Karen Huen

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

3,767  
citations

136950

32  
h-index

138484

58  
g-index

62  
all docs

62  
docs citations

62  
times ranked

6319  
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  | Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , 2017, 26, 4067-4085. | 2.9  | 211       |
| 3  | Sex differences in DNA methylation assessed by 450K BeadChip in newborns. <i>BMC Genomics</i> , 2015, 16, 911.   | 2.8  | 155       |
| 4  | 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       |
| 5  | Genotype-activity relationship for Mn-superoxide dismutase, glutathione peroxidase 1 and catalase in humans. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 279-286.   | 1.5  | 133       |
| 6  | Association of prenatal urinary phthalate metabolite concentrations and childhood BMI and obesity. <i>Pediatric Research</i> , 2017, 82, 405-415.  | 2.3  | 129       |
| 7  | Genome-wide methylation data mirror ancestry information. <i>Epigenetics and Chromatin</i> , 2017, 10, 1.  | 3.9  | 120       |
| 8  | Paraoxonase Polymorphisms, Haplotypes, and Enzyme Activity in Latino Mothers and Newborns. <i>Environmental Health Perspectives</i> , 2006, 114, 985-991.  | 6.0  | 113       |
| 9  | Organophosphate pesticide levels in blood and urine of women and newborns living in an agricultural community. <i>Environmental Research</i> , 2012, 117, 8-16.  | 7.5  | 110       |
| 10 | PON1 and Neurodevelopment in Children from the CHAMACOS Study Exposed to Organophosphate Pesticides <i>in Utero</i> . <i>Environmental Health Perspectives</i> , 2010, 118, 1775-1781.                               | 6.0  | 107       |
| 11 | Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23.   | 1.9  | 105       |
| 12 | Residential Traffic and Children's Respiratory Health. <i>Environmental Health Perspectives</i> , 2008, 116, 1274-1279.  | 6.0  | 91        |
| 13 | Association of Organophosphate Pesticide Exposure and Paraoxonase with Birth Outcome in Mexican-American Women. <i>PLoS ONE</i> , 2011, 6, e23923.   | 2.5  | 86        |
| 14 | 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        |
| 15 | <i>In Utero</i> and Childhood Polybrominated Diphenyl Ether Exposures and Body Mass at Age 7 Years: The CHAMACOS Study. <i>Environmental Health Perspectives</i> , 2015, 123, 636-642.                               | 6.0  | 79        |
| 16 | Effects of age, sex, and persistent organic pollutants on DNA methylation in children. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 209-222.   | 2.2  | 74        |
| 17 | Prenatal phthalate exposure and altered patterns of DNA methylation in cord blood. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 398-410.   | 2.2  | 71        |
| 18 | Comparison of DNA methylation measured by Illumina 450K and EPIC BeadChips in blood of newborns and 14-year-old children. <i>Epigenetics</i> , 2018, 13, 655-664.  | 2.7  | 65        |

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|----|--|-----|-----------|
| 19 | Developmental Changes in PON1 Enzyme Activity in Young Children and Effects of PON1 Polymorphisms. <i>Environmental Health Perspectives</i> , 2009, 117, 1632-1638.  | 6.0 | 64        |
| 20 | Organophosphate pesticide exposure, PON1, and neurodevelopment in school-age children from the CHAMACOS study. <i>Environmental Research</i> , 2014, 134, 149-157.   | 7.5 | 63        |
| 21 | Validation of PON1 enzyme activity assays for longitudinal studies. <i>Clinica Chimica Acta</i> , 2009, 402, 67-74.  | 1.1 | 62        |
| 22 | Considerations for normalization of DNA methylation data by Illumina 450K BeadChip assay in population studies. <i>Epigenetics</i> , 2013, 8, 1141-1152.   | 2.7 | 60        |
| 23 | In utero and childhood DDT, DDE, PBDE and PCBs exposure and sex hormones in adolescent boys: The CHAMACOS study. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 364-372.                                | 4.3 | 58        |
| 24 | Urinary Phthalate Metabolites and Biomarkers of Oxidative Stress in a Mexican-American Cohort: Variability in Early and Late Pregnancy. <i>Toxics</i> , 2016, 4, 7.  | 3.7 | 57        |
| 25 | Maternal phthalate exposure during pregnancy is associated with DNA methylation of LINE-1 and Alu repetitive elements in Mexican-American children. <i>Environmental Research</i> , 2016, 148, 55-62.                                  | 7.5 | 49        |
| 26 | Adiponectin and Leptin Trajectories in Mexican-American Children from Birth to 9 Years of Age. <i>PLoS ONE</i> , 2013, 8, e77964.  | 2.5 | 46        |
| 27 | Longitudinal changes in PON1 enzymatic activities in Mexican-American mothers and children with different genotypes and haplotypes. <i>Toxicology and Applied Pharmacology</i> , 2010, 244, 181-189.                                   | 2.8 | 43        |
| 28 | Estimation of blood cellular heterogeneity in newborns and children for epigenome-wide association studies. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 751-758.  | 2.2 | 43        |
| 29 | 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        |
| 30 | Cytogenetic Damage in Blood Lymphocytes and Exfoliated Epithelial Cells of Children With Inflammatory Bowel Disease. <i>Pediatric Research</i> , 2007, 61, 209-214.  | 2.3 | 38        |
| 31 | Application of a geographic information system to explore associations between air pollution and micronucleus frequencies in African American children and adults. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 236-246. | 2.2 | 36        |
| 32 | DNA methylation of imprinted genes in Mexican-American newborn children with prenatal phthalate exposure. <i>Epigenomics</i> , 2018, 10, 1011-1026.  | 2.1 | 33        |
| 33 | PON1 as a model for integration of genetic, epigenetic, and expression data on candidate susceptibility genes. <i>Environmental Epigenetics</i> , 2015, 1, .   | 1.8 | 32        |
| 34 | Prenatal Exposure to Mixtures of Phthalates, Parabens, and Other Phenols and Obesity in Five-Year-Olds in the CHAMACOS Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1796.              | 2.6 | 30        |
| 35 | Metabolomic Markers of Phthalate Exposure in Plasma and Urine of Pregnant Women. <i>Frontiers in Public Health</i> , 2018, 6, 298.   | 2.7 | 29        |
| 36 | DNA methylation and socioeconomic status in a Mexican-American birth cohort. <i>Clinical Epigenetics</i> , 2018, 10, 61.   | 4.1 | 26        |

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|----|---|------|-----------|
| 37 | Cholinesterase and paraoxonase (PON1) enzyme activities in Mexican-American mothers and children from an agricultural community. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 641-648. | 3.9  | 25        |
| 38 | Associations of PON1 and Genetic Ancestry with Obesity in Early Childhood. <i>PLoS ONE</i> , 2013, 8, e62565.   | 2.5  | 25        |
| 39 | Risk Factors Associated With SARS-CoV-2 Infection Among Farmworkers in Monterey County, California. <i>JAMA Network Open</i> , 2021, 4, e2124116.   | 5.9  | 25        |
| 40 | 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        |
| 41 | Folate concentrations in pediatric patients with newly diagnosed inflammatory bowel disease. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 545-550.   | 4.7  | 23        |
| 42 | Relationship between expression and methylation of obesity-related genes in children. <i>Mutagenesis</i> , 2015, 30, 411-420.   | 2.6  | 23        |
| 43 | Epigenome-wide association study and epigenetic age acceleration associated with cigarette smoking among Costa Rican adults. <i>Scientific Reports</i> , 2022, 12, 4277.  | 3.3  | 22        |
| 44 | PON1 DNA methylation and neurobehavior in Mexican-American children with prenatal organophosphate exposure. <i>Environment International</i> , 2018, 121, 31-40.  | 10.0 | 21        |
| 45 | Effects of <i>PON</i> polymorphisms and haplotypes on molecular phenotype in Mexican-American mothers and children. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 105-116.                                 | 2.2  | 18        |
| 46 | Recent progress in the genetics and epigenetics of paraoxonase. <i>Current Opinion in Pediatrics</i> , 2015, 27, 240-247.   | 2.0  | 18        |
| 47 | Reduced Intracellular T-Helper 1 Interferon-Gamma in Blood of Newly Diagnosed Children With Crohn's Disease and Age-Related Changes in Th1/Th2 Cytokine Profiles. <i>Pediatric Research</i> , 2008, 63, 257-262.        | 2.3  | 16        |
| 48 | miRNAs differentially expressed by next-generation sequencing in cord blood buffy coat samples of boys and girls. <i>Epigenomics</i> , 2016, 8, 1619-1635.  | 2.1  | 16        |
| 49 | Associations between perinatal factors and adiponectin and leptin in 9-year-old Mexican-American children. <i>Pediatric Obesity</i> , 2013, 8, 454-463.   | 2.8  | 15        |
| 50 | Vitamin C intervention may lower the levels of persistent organic pollutants in blood of healthy women - A pilot study. <i>Food and Chemical Toxicology</i> , 2016, 92, 197-204.  | 3.6  | 15        |
| 51 | DNA methylation of LINE-1 and Alu repetitive elements in relation to sex hormones and pubertal timing in Mexican-American children. <i>Pediatric Research</i> , 2016, 79, 855-862.                                      | 2.3  | 15        |
| 52 | Discovery of tetrahydroisoquinoline (THIQ) derivatives as potent and orally bioavailable LFA-1/ICAM-1 antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5269-5273.                             | 2.2  | 14        |
| 53 | CpG Methylation across the adipogenic PPAR $\beta$ gene and its relationship with birthweight and child BMI at 9 years. <i>BMC Medical Genetics</i> , 2017, 18, 7.  | 2.1  | 13        |
| 54 | Meta-analysis of epigenome-wide associations between DNA methylation at birth and childhood cognitive skills. <i>Molecular Psychiatry</i> , 2022, 27, 2126-2135.  | 7.9  | 13        |

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|----|--|-----|-----------|
| 55 | AHR gene-dioxin interactions and birthweight in the Seveso Second Generation Health Study. <i>International Journal of Epidemiology</i> , 2018, 47, 1992-2004.                                 | 1.9 | 8         |
| 56 | Age-Related Differences in miRNA Expression in Mexican-American Newborns and Children. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 524.               | 2.6 | 8         |
| 57 | Pregnancy lipidomic profiles and DNA methylation in newborns from the CHAMACOS cohort. <i>Environmental Epigenetics</i> , 2019, 5, dvz004.   | 1.8 | 7         |
| 58 | Early-Life Home Environment and Obesity in a Mexican American Birth Cohort: The CHAMACOS Study. <i>Psychosomatic Medicine</i> , 2019, 81, 209-219.   | 2.0 | 2         |
| 59 | Comparison of DNA methylation measurements from EPIC BeadChip and SeqCap targeted bisulphite sequencing in PON1 and nine additional candidate genes. <i>Epigenetics</i> , 2022, 17, 1944-1955. | 2.7 | 1         |