

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
g-index

351
all docs

351
docs citations

351
times ranked

22592
citing authors

#	ARTICLE	IF	CITATIONS
1	An epigenetic biomarker of aging for lifespan and healthspan. <i>Aging</i> , 2018, 10, 573-591.	3.1	1,552
2	DNA methylation GrimAge strongly predicts lifespan and healthspan. <i>Aging</i> , 2019, 11, 303-327.	3.1	1,128
3	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015, 16, 25.	8.8	928
4	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016, 8, 1844-1865.	3.1	786
5	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
6	Expert position paper on air pollution and cardiovascular disease. <i>European Heart Journal</i> , 2015, 36, 83-93.	2.2	646
7	Rapid DNA Methylation Changes after Exposure to Traffic Particles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 572-578.	5.6	608
8	DNA methylation aging clocks: challenges and recommendations. <i>Genome Biology</i> , 2019, 20, 249.	8.8	552
9	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , 2017, 9, 419-446.	3.1	521
10	Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and ex vivo studies. <i>Aging</i> , 2018, 10, 1758-1775.	3.1	406
11	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
12	Effects of Particulate Matter on Genomic DNA Methylation Content and <i>iNOS</i> Promoter Methylation. <i>Environmental Health Perspectives</i> , 2009, 117, 217-222.	6.0	310
13	Cohort Profile: Project Viva. <i>International Journal of Epidemiology</i> , 2015, 44, 37-48.	1.9	275
14	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
15	Maternal Prepregnancy Body Mass Index and Gestational Weight Gain on Pregnancy Outcomes. <i>PLoS ONE</i> , 2013, 8, e82310.	2.5	266
16	Air Pollution and Markers of Coagulation, Inflammation, and Endothelial Function. <i>Epidemiology</i> , 2012, 23, 332-340.	2.7	259
17	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016, 17, 255.	8.8	251
18	Extracellular vesicles: roles in gamete maturation, fertilization and embryo implantation. <i>Human Reproduction Update</i> , 2016, 22, dmv055.	10.8	248

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19	DunedinPACE, a DNA methylation biomarker of the pace of aging. <i>ELife</i> , 2022, 11, .	6.0	214
20	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
21	DNA methylation-based estimator of telomere length. <i>Aging</i> , 2019, 11, 5895-5923.	3.1	198
22	An epigenetic clock for gestational age at birth based on blood methylation data. <i>Genome Biology</i> , 2016, 17, 206.	8.8	193
23	Cardiovascular Epigenetics. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 567-573.	5.1	186
24	Exposure to Particulate Air Pollution and Risk of Deep Vein Thrombosis. <i>Archives of Internal Medicine</i> , 2008, 168, 920.	3.8	184
25	Hallmarks of environmental insults. <i>Cell</i> , 2021, 184, 1455-1468.	28.9	177
26	The Role of DNA Methylation in Cardiovascular Risk and Disease. <i>Circulation Research</i> , 2016, 118, 119-131.	4.5	167
27	Using High-Resolution Satellite Aerosol Optical Depth To Estimate Daily PM _{2.5} Geographical Distribution in Mexico City. <i>Environmental Science & Technology</i> , 2015, 49, 8576-8584.	10.0	165
28	Blood Epigenetic Age may Predict Cancer Incidence and Mortality. <i>EBioMedicine</i> , 2016, 5, 68-73.	6.1	162
29	Air pollution and gene-specific methylation in the Normative Aging Study. <i>Epigenetics</i> , 2014, 9, 448-458.	2.7	159
30	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017, 101, 888-902.	6.2	154
31	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , 2018, 9, 387.	12.8	151
32	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019, 140, 645-657.	1.6	151
33	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
34	Effect of prenatal arsenic exposure on DNA methylation and leukocyte subpopulations in cord blood. <i>Epigenetics</i> , 2014, 9, 774-782.	2.7	140
35	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
36	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. <i>Aging</i> , 2019, 11, 2045-2070.	3.1	137

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37	Platelet mitochondrial DNA methylation: a potential new marker of cardiovascular disease. <i>Clinical Epigenetics</i> , 2015, 7, 44.	4.1	132
38	Short-term exposure to high ambient air pollution increases airway inflammation and respiratory symptoms in chronic obstructive pulmonary disease patients in Beijing, China. <i>Environment International</i> , 2016, 94, 76-82.	10.0	131
39	The nasal methylome as a biomarker of asthma and airway inflammation in children. <i>Nature Communications</i> , 2019, 10, 3095.	12.8	129
40	Long-term exposure to air pollution is associated with biological aging. <i>Oncotarget</i> , 2016, 7, 74510-74525.	1.8	126
41	B vitamins attenuate the epigenetic effects of ambient fine particles in a pilot human intervention trial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3503-3508.	7.1	121
42	Epigenetic Pathways in Human Disease: The Impact of DNA Methylation on Stress-Related Pathogenesis and Current Challenges in Biomarker Development. <i>EBioMedicine</i> , 2017, 18, 327-350.	6.1	113
43	Cardiac Autonomic Dysfunction. <i>Circulation</i> , 2008, 117, 1802-1809.	1.6	112
44	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
45	Repetitive element DNA methylation and circulating endothelial and inflammation markers in the VA normative aging study. <i>Epigenetics</i> , 2010, 5, 222-228.	2.7	106
46	Neonatal Thyroid Function in Seveso 25 Years after Maternal Exposure to Dioxin. <i>PLoS Medicine</i> , 2008, 5, e161.	8.4	106
47	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.	1.9	105
48	Ambient particulate matter and microRNAs in extracellular vesicles: a pilot study of older individuals. <i>Particle and Fibre Toxicology</i> , 2015, 13, 13.	6.2	96
49	Association of air particulate pollution with bone loss over time and bone fracture risk: analysis of data from two independent studies. <i>Lancet Planetary Health, The</i> , 2017, 1, e337-e347.	11.4	96
50	Persistent DNA methylation changes associated with prenatal mercury exposure and cognitive performance during childhood. <i>Scientific Reports</i> , 2017, 7, 288.	3.3	95
51	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
52	Environmental exposures, epigenetics and cardiovascular disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 323-329.	2.5	90
53	Urinary concentrations of biomarkers of phthalates and phthalate alternatives and IVF outcomes. <i>Environment International</i> , 2018, 111, 23-31.	10.0	85
54	Detection of long non-coding RNAs in human breastmilk extracellular vesicles: Implications for early child development. <i>Epigenetics</i> , 2016, 11, 721-729.	2.7	83

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55	Maternal gut and fetal brain connection: Increased anxiety and reduced social interactions in Wistar rat offspring following peri-conceptual antibiotic exposure. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 71, 76-82.	4.8	82
56	Environmental Health and Long Non-coding RNAs. <i>Current Environmental Health Reports</i> , 2016, 3, 178-187.	6.7	82
57	Endocrine Disruptors: A Potential Risk Factor for Gestational Diabetes Mellitus. <i>American Journal of Perinatology</i> , 2016, 33, 1313-1318.	1.4	81
58	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
59	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons. <i>JAMA Psychiatry</i> , 2018, 75, 949.	11.0	78
60	Traffic-Related Air Pollution, Blood Pressure, and Adaptive Response of Mitochondrial Abundance. <i>Circulation</i> , 2016, 133, 378-387.	1.6	77
61	Effects of particulate air pollution on blood pressure in a highly exposed population in Beijing, China: a repeated-measure study. <i>Environmental Health</i> , 2011, 10, 108.	4.0	76
62	Air pollution exposure and lung function in highly exposed subjects in Beijing, China: a repeated-measure study. <i>Particle and Fibre Toxicology</i> , 2014, 11, 51.	6.2	76
63	Extracellular microRNAs in follicular fluid and their potential association with oocyte fertilization and embryo quality: an exploratory study. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 525-533.	2.5	76
64	Exposure to Low Levels of Lead <i>in Utero</i> and Umbilical Cord Blood DNA Methylation in Project Viva: An Epigenome-Wide Association Study. <i>Environmental Health Perspectives</i> , 2017, 125, 087019.	6.0	73
65	Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. <i>Hypertension</i> , 2019, 74, 375-383.	2.7	73
66	Second trimester extracellular microRNAs in maternal blood and fetal growth: An exploratory study. <i>Epigenetics</i> , 2017, 12, 804-810.	2.7	70
67	Prenatal particulate matter exposure and mitochondrial dysfunction at the maternal-fetal interface: Effect modification by maternal lifetime trauma and child sex. <i>Environment International</i> , 2018, 112, 49-58.	10.0	70
68	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
69	Long-term ambient particle exposures and blood DNA methylation age: findings from the VA normative aging study. <i>Environmental Epigenetics</i> , 2016, 2, dvw006.	1.8	68
70	Effects of particulate matter exposure on multiple sclerosis hospital admission in Lombardy region, Italy. <i>Environmental Research</i> , 2016, 145, 68-73.	7.5	68
71	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018, 23, 2133-2144.	7.9	68
72	Nasal cell DNA methylation, inflammation, lung function and wheezing in children with asthma. <i>Epigenomics</i> , 2012, 4, 91-100.	2.1	66

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73	Offspring DNA methylation of the aryl-hydrocarbon receptor repressor gene is associated with maternal BMI, gestational age, and birth weight. <i>Epigenetics</i> , 2015, 10, 913-921.	2.7	65
74	Maternal Lifetime Stress and Prenatal Psychological Functioning and Decreased Placental Mitochondrial DNA Copy Number in the PRISM Study. <i>American Journal of Epidemiology</i> , 2017, 186, 1227-1236.	3.4	65
75	Air Pollution, Smoking, and Plasma Homocysteine. <i>Environmental Health Perspectives</i> , 2007, 115, 176-181.	6.0	64
76	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
77	Effects of particulate matter exposure on blood 5-hydroxymethylation: results from the Beijing truck driver air pollution study. <i>Epigenetics</i> , 2015, 10, 633-642.	2.7	63
78	Blood Telomere Length Attrition and Cancer Development in the Normative Aging Study Cohort. <i>EBioMedicine</i> , 2015, 2, 591-596.	6.1	62
79	A longitudinal study of DNA methylation as a potential mediator of age-related diabetes risk. <i>GeroScience</i> , 2017, 39, 475-489.	4.6	62
80	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , 2019, 10, 2581.	12.8	62
81	Prenatal Metal Concentrations and Childhood Cardiometabolic Risk Using Bayesian Kernel Machine Regression to Assess Mixture and Interaction Effects. <i>Epidemiology</i> , 2019, 30, 263-273.	2.7	62
82	Birth weight-for-gestational age is associated with DNA methylation at birth and in childhood. <i>Clinical Epigenetics</i> , 2016, 8, 118.	4.1	61
83	Testing for the indirect effect under the null for genome-wide mediation analyses. <i>Genetic Epidemiology</i> , 2017, 41, 824-833.	1.3	60
84	Effects of short-term exposure to inhalable particulate matter on DNA methylation of tandem repeats. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 322-335.	2.2	59
85	Maternal alcohol consumption and offspring DNA methylation: findings from six general population-based birth cohorts. <i>Epigenomics</i> , 2018, 10, 27-42.	2.1	58
86	Effect of particulate matter-bound metals exposure on prothrombotic biomarkers: A systematic review. <i>Environmental Research</i> , 2019, 177, 108573.	7.5	58
87	Methylome-wide association study provides evidence of particulate matter air pollution-associated DNA methylation. <i>Environment International</i> , 2019, 132, 104723.	10.0	58
88	Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. <i>Environmental Health Perspectives</i> , 2017, 125, 087022.	6.0	57
89	In utero arsenic exposure and epigenome-wide associations in placenta, umbilical artery, and human umbilical vein endothelial cells. <i>Epigenetics</i> , 2015, 10, 1054-1063.	2.7	56
90	Placental mitochondrial DNA and CYP1A1 gene methylation as molecular signatures for tobacco smoke exposure in pregnant women and the relevance for birth weight. <i>Journal of Translational Medicine</i> , 2017, 15, 5.	4.4	56

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91	Prenatal particulate air pollution exposure and body composition in urban preschool children: Examining sensitive windows and sex-specific associations. <i>Environmental Research</i> , 2017, 158, 798-805.	7.5	56
92	Identifying sensitive windows for prenatal particulate air pollution exposure and mitochondrial DNA content in cord blood. <i>Environment International</i> , 2017, 98, 198-203.	10.0	56
93	Exposure to childhood abuse is associated with human sperm DNA methylation. <i>Translational Psychiatry</i> , 2018, 8, 194.	4.8	56
94	Short-term airborne particulate matter exposure alters the epigenetic landscape of human genes associated with the mitogen-activated protein kinase network: a cross-sectional study. <i>Environmental Health</i> , 2014, 13, 94.	4.0	55
95	Altered miRNA expression in the cervix during pregnancy associated with lead and mercury exposure. <i>Epigenomics</i> , 2015, 7, 885-896.	2.1	53
96	An epigenome-wide association study of total serum IgE in Hispanic children. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 571-577.	2.9	53
97	Urinary concentrations of phthalate metabolites, bisphenols and personal care product chemical biomarkers in pregnant women in Israel. <i>Environment International</i> , 2018, 116, 319-325.	10.0	53
98	Prenatal exposure to mixtures of xenoestrogens and repetitive element DNA methylation changes in human placenta. <i>Environment International</i> , 2014, 71, 81-87.	10.0	52
99	Traffic-derived particulate matter exposure and histone H3 modification: A repeated measures study. <i>Environmental Research</i> , 2017, 153, 112-119.	7.5	52
100	Differential DNA methylation and PM _{2.5} species in a 450K epigenome-wide association study. <i>Epigenetics</i> , 2017, 12, 139-148.	2.7	52
101	Impacts of air pollution, temperature, and relative humidity on leukocyte distribution: An epigenetic perspective. <i>Environment International</i> , 2019, 126, 395-405.	10.0	52
102	Association between prenatal particulate air pollution exposure and telomere length in cord blood: Effect modification by fetal sex. <i>Environmental Research</i> , 2019, 172, 495-501.	7.5	51
103	Phthalates exposure and uterine fibroid burden among women undergoing surgical treatment for fibroids: a preliminary study. <i>Fertility and Sterility</i> , 2019, 111, 112-121.	1.0	51
104	GDM Women's Pre-Pregnancy Overweight/Obesity and Gestational Weight Gain on Offspring Overweight Status. <i>PLoS ONE</i> , 2015, 10, e0129536.	2.5	50
105	Fetal growth restriction and methylation of growth-related genes in the placenta. <i>Epigenomics</i> , 2016, 8, 33-42.	2.1	50
106	The association of lead exposure during pregnancy and childhood anthropometry in the Mexican PROGRESS cohort. <i>Environmental Research</i> , 2017, 152, 226-232.	7.5	50
107	Epigenetics: linking social and environmental exposures to preterm birth. <i>Pediatric Research</i> , 2016, 79, 136-140.	2.3	49
108	Chemical constituents and sources of ambient particulate air pollution and biomarkers of endothelial function in a panel of healthy adults in Beijing, China. <i>Science of the Total Environment</i> , 2016, 560-561, 141-149.	8.0	48

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109	Childhood abuse, promoter methylation of leukocyte <i>NR3C1</i> and the potential modifying effect of emotional support. <i>Epigenomics</i> , 2016, 8, 1507-1517.	2.1	48
110	High pesticide exposure events and DNA methylation among pesticide applicators in the agricultural health study. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 19-29.	2.2	48
111	Molecular and cellular mechanisms linking air pollution and bone damage. <i>Environmental Research</i> , 2020, 185, 109465.	7.5	47
112	Changes in DNA Methylation in Mouse Lungs after a Single Intra-Tracheal Administration of Nanomaterials. <i>PLoS ONE</i> , 2017, 12, e0169886.	2.5	47
113	Prenatal maternal antidepressants, anxiety, and depression and offspring DNA methylation: epigenome-wide associations at birth and persistence into early childhood. <i>Clinical Epigenetics</i> , 2019, 11, 56.	4.1	46
114	Psychological factors and DNA methylation of genes related to immune/inflammatory system markers: the VA Normative Aging Study. <i>BMJ Open</i> , 2016, 6, e009790.	1.9	45
115	Effect of School Integrated Pest Management or Classroom Air Filter Purifiers on Asthma Symptoms in Students With Active Asthma. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 839.	7.4	45
116	Epigenetic effects of low perinatal doses of flame retardant BDE-47 on mitochondrial and nuclear genes in rat offspring. <i>Toxicology</i> , 2015, 328, 152-159.	4.2	44
117	Prenatal lead exposure and fetal growth: Smaller infants have heightened susceptibility. <i>Environment International</i> , 2017, 99, 228-233.	10.0	44
118	Whole blood microRNA markers are associated with acute respiratory distress syndrome. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 38.	1.9	44
119	Extracellular vesicle-enriched microRNAs interact in the association between long-term particulate matter and blood pressure in elderly men. <i>Environmental Research</i> , 2018, 167, 640-649.	7.5	43
120	Epigenome-wide association study reveals methylation pathways associated with childhood allergic sensitization. <i>Epigenetics</i> , 2019, 14, 445-466.	2.7	43
121	Epigenetic age acceleration is associated with allergy and asthma in children in Project Viva. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2263-2270.e14.	2.9	43
122	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
123	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
124	Pesticide Use and Relative Leukocyte Telomere Length in the Agricultural Health Study. <i>PLoS ONE</i> , 2015, 10, e0133382.	2.5	42
125	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
126	Prospective changes in global DNA methylation and cancer incidence and mortality. <i>British Journal of Cancer</i> , 2016, 115, 465-472.	6.4	41

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127	Increased methylation of repetitive elements and DNA repair genes is associated with higher DNA oxidation in children in an urbanized, industrial environment. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 813, 27-36.	1.7	41
128	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
129	Cardiac Autonomic Dysfunction: Particulate Air Pollution Effects Are Modulated by Epigenetic Immunoregulation of <i>Toll-like Receptor 2</i> and Dietary Flavonoid Intake. <i>Journal of the American Heart Association</i> , 2015, 4, e001423.	3.7	40
130	Effects of environmental noise exposure on DNA methylation in the brain and metabolic health. <i>Environmental Research</i> , 2017, 153, 73-82.	7.5	39
131	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
132	Acute particulate matter affects cardiovascular autonomic modulation and IFN- β methylation in healthy volunteers. <i>Environmental Research</i> , 2018, 161, 97-103.	7.5	38
133	Characterization of genome-wide H3K27ac profiles reveals a distinct PM2.5-associated histone modification signature. <i>Environmental Health</i> , 2015, 14, 65.	4.0	37
134	Endotoxin and β -1,3-D-Glucan in Concentrated Ambient Particles Induce Rapid Increase in Blood Pressure in Controlled Human Exposures. <i>Hypertension</i> , 2015, 66, 509-516.	2.7	37
135	Cumulative lifetime maternal stress and epigenome-wide placental DNA methylation in the PRISM cohort. <i>Epigenetics</i> , 2018, 13, 665-681.	2.7	37
136	Prenatal exposure to PM 2.5 and birth weight: A pooled analysis from three North American longitudinal pregnancy cohort studies. <i>Environment International</i> , 2017, 107, 173-180.	10.0	36
137	The effect of morphine upon DNA methylation in ten regions of the rat brain. <i>Epigenetics</i> , 2017, 12, 1038-1047.	2.7	36
138	Telomere Length, Long-Term Black Carbon Exposure, and Cognitive Function in a Cohort of Older Men: The VA Normative Aging Study. <i>Environmental Health Perspectives</i> , 2017, 125, 76-81.	6.0	36
139	Epigenome-wide association study of total serum immunoglobulin E in children: a life course approach. <i>Clinical Epigenetics</i> , 2018, 10, 55.	4.1	36
140	Prenatal arsenic exposure, child marriage, and pregnancy weight gain: Associations with preterm birth in Bangladesh. <i>Environment International</i> , 2018, 112, 23-32.	10.0	36
141	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
142	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
143	CYP2E1 epigenetic regulation in chronic, low-level toluene exposure: Relationship with oxidative stress and smoking habit. <i>Toxicology and Applied Pharmacology</i> , 2015, 286, 207-215.	2.8	34
144	Investigating causal relation between prenatal arsenic exposure and birthweight: Are smaller infants more susceptible?. <i>Environment International</i> , 2017, 108, 32-40.	10.0	34

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145	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
146	Association of Methylation Signals With Incident Coronary Heart Disease in an Epigenome-Wide Assessment of Circulating Tumor Necrosis Factor α . <i>JAMA Cardiology</i> , 2018, 3, 463.	6.1	33
147	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
148	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
149	Prenatal fine particulate exposure associated with reduced childhood lung function and nasal epithelia GSTP1 hypermethylation: Sex-specific effects. <i>Respiratory Research</i> , 2018, 19, 76.	3.6	32
150	Phthalate Exposures and MicroRNA Expression in Uterine Fibroids: The FORGE Study. <i>Epigenetics Insights</i> , 2020, 13, 251686572090405.	2.0	32
151	B-vitamin Supplementation Mitigates Effects of Fine Particles on Cardiac Autonomic Dysfunction and Inflammation: A Pilot Human Intervention Trial. <i>Scientific Reports</i> , 2017, 7, 45322.	3.3	31
152	Placental lncRNA Expression Is Associated With Prenatal Phthalate Exposure. <i>Toxicological Sciences</i> , 2018, 163, 116-122.	3.1	31
153	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
154	Association between preconception maternal beverage intake and in vitro fertilization outcomes. <i>Fertility and Sterility</i> , 2017, 108, 1026-1033.	1.0	30
155	Aberrant promoter methylation in genes related to hematopoietic malignancy in workers exposed to a VOC mixture. <i>Toxicology and Applied Pharmacology</i> , 2018, 339, 65-72.	2.8	30
156	Prenatal lead exposure modifies the effect of shorter gestation on increased blood pressure in children. <i>Environment International</i> , 2018, 120, 464-471.	10.0	30
157	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
158	A Novel Genetic Score Approach Using Instruments to Investigate Interactions between Pathways and Environment: Application to Air Pollution. <i>PLoS ONE</i> , 2014, 9, e96000.	2.5	30
159	Meta-analyses identify DNA methylation associated with kidney function and damage. <i>Nature Communications</i> , 2021, 12, 7174.	12.8	30
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