

Andrea A Baccarelli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

319 papers	13,601 citations	56 h-index	107 g-index
351 ext. papers	18,396 ext. citations	7.9 avg, IF	6.56 L-index

#	Paper	IF	Citations
319	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015 , 16, 25	18.3	670
318	An epigenetic biomarker of aging for lifespan and healthspan. <i>Aging</i> , 2018 , 10, 573-591	5.6	658
317	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016 , 8, 1844-1865	5.6	531
316	Rapid DNA methylation changes after exposure to traffic particles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 572-8	10.2	522
315	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016 , 98, 680-96	11	489
314	Expert position paper on air pollution and cardiovascular disease. <i>European Heart Journal</i> , 2015 , 36, 83-93	9.9	445
313	DNA methylation GrimAge strongly predicts lifespan and healthspan. <i>Aging</i> , 2019 , 11, 303-327	5.6	424
312	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , 2017 , 9, 419-446	5.6	317
311	Effects of particulate matter on genomic DNA methylation content and iNOS promoter methylation. <i>Environmental Health Perspectives</i> , 2009 , 117, 217-22	8.4	277
310	DNA methylation aging clocks: challenges and recommendations. <i>Genome Biology</i> , 2019 , 20, 249	18.3	248
309	Cohort profile: project viva. <i>International Journal of Epidemiology</i> , 2015 , 44, 37-48	7.8	210
308	Maternal prepregnancy body mass index and gestational weight gain on pregnancy outcomes. <i>PLoS ONE</i> , 2013 , 8, e82310	3.7	207
307	Air pollution and markers of coagulation, inflammation, and endothelial function: associations and epigene-environment interactions in an elderly cohort. <i>Epidemiology</i> , 2012 , 23, 332-40	3.1	207
306	Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and studies. <i>Aging</i> , 2018 , 10, 1758-1775	5.6	187
305	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016 , 17, 255	18.3	171
304	Extracellular vesicles: roles in gamete maturation, fertilization and embryo implantation. <i>Human Reproduction Update</i> , 2016 , 22, 182-93	15.8	170
303	Cardiovascular epigenetics: basic concepts and results from animal and human studies. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 567-73		154

302	Exposure to particulate air pollution and risk of deep vein thrombosis. <i>Archives of Internal Medicine</i> , 2008 , 168, 920-7		154
301	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	5.6	151
300	An epigenetic clock for gestational age at birth based on blood methylation data. <i>Genome Biology</i> , 2016 , 17, 206	18.3	132
299	Using High-Resolution Satellite Aerosol Optical Depth To Estimate Daily PM2.5 Geographical Distribution in Mexico City. <i>Environmental Science & Technology</i> , 2015 , 49, 8576-84	10.3	129
298	Air pollution and gene-specific methylation in the Normative Aging Study: association, effect modification, and mediation analysis. <i>Epigenetics</i> , 2014 , 9, 448-58	5.7	121
297	The Role of DNA Methylation in Cardiovascular Risk and Disease: Methodological Aspects, Study Design, and Data Analysis for Epidemiological Studies. <i>Circulation Research</i> , 2016 , 118, 119-131	15.7	120
296	Blood Epigenetic Age may Predict Cancer Incidence and Mortality. <i>EBioMedicine</i> , 2016 , 5, 68-73	8.8	115
295	Effect of prenatal arsenic exposure on DNA methylation and leukocyte subpopulations in cord blood. <i>Epigenetics</i> , 2014 , 9, 774-82	5.7	109
294	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , 2018 , 9, 387	17.4	106
293	Cardiac autonomic dysfunction: effects from particulate air pollution and protection by dietary methyl nutrients and metabolic polymorphisms. <i>Circulation</i> , 2008 , 117, 1802-9	16.7	105
292	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	220.7	97
291	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	12.9	97
290	Neonatal thyroid function in Seveso 25 years after maternal exposure to dioxin. <i>PLoS Medicine</i> , 2008 , 5, e161	11.6	95
289	Platelet mitochondrial DNA methylation: a potential new marker of cardiovascular disease. <i>Clinical Epigenetics</i> , 2015 , 7, 44	7.7	92
288	Repetitive element DNA methylation and circulating endothelial and inflammation markers in the VA normative aging study. <i>Epigenetics</i> , 2010 , 5, 222-8	5.7	91
287	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	11.5	87
286	Quantification of the pace of biological aging in humans through a blood test, the DunedinPoAm DNA methylation algorithm. <i>ELife</i> , 2020 , 9,	8.9	85
285	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017 , 101, 888-902	11	83

284	Long-term exposure to air pollution is associated with biological aging. <i>Oncotarget</i> , 2016 , 7, 74510-74525,3	5.3	83
283	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019 , 10, 1893	17.4	79
282	ENVIRONMENTAL EPIGENETICS AND AGING. <i>Innovation in Aging</i> , 2019 , 3, S735-S735	0.1	78
281	Environmental exposures, epigenetics and cardiovascular disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 323-9	3.8	74
280	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	8.8	73
279	The nasal methylome as a biomarker of asthma and airway inflammation in children. <i>Nature Communications</i> , 2019 , 10, 3095	17.4	72
278	Persistent DNA methylation changes associated with prenatal mercury exposure and cognitive performance during childhood. <i>Scientific Reports</i> , 2017 , 7, 288	4.9	71
277	Ambient particulate matter and microRNAs in extracellular vesicles: a pilot study of older individuals. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 13	8.4	71
276	DNA methylation-based estimator of telomere length. <i>Aging</i> , 2019 , 11, 5895-5923	5.6	69
275	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	6	67
274	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. <i>Aging</i> , 2019 , 11, 2045-2070	5.6	67
273	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019 , 140, 645-657	16.7	65
272	Environmental Health and Long Non-coding RNAs. <i>Current Environmental Health Reports</i> , 2016 , 3, 178-87,5	6.5	64
271	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018 , 47, 22-23u	7.8	62
270	Endocrine Disruptors: A Potential Risk Factor for Gestational Diabetes Mellitus. <i>American Journal of Perinatology</i> , 2016 , 33, 1313-1318	3.3	60
269	Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019 , 127, 57012	8.4	58
268	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	5.5	57
267	Traffic-Related Air Pollution, Blood Pressure, and Adaptive Response of Mitochondrial Abundance. <i>Circulation</i> , 2016 , 133, 378-87	16.7	57

266	Air pollution, smoking, and plasma homocysteine. <i>Environmental Health Perspectives</i> , 2007 , 115, 176-81	8.4	57
265	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	5.6	56
264	Effects of particulate matter exposure on multiple sclerosis hospital admission in Lombardy region, Italy. <i>Environmental Research</i> , 2016 , 145, 68-73	7.9	55
263	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	8.4	55
262	Effects of particulate matter exposure on blood 5-hydroxymethylation: results from the Beijing truck driver air pollution study. <i>Epigenetics</i> , 2015 , 10, 633-42	5.7	54
261	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, 913-21	5.7	54
260	Nasal cell DNA methylation, inflammation, lung function and wheezing in children with asthma. <i>Epigenomics</i> , 2012 , 4, 91-100	4.4	54
259	Urinary concentrations of biomarkers of phthalates and phthalate alternatives and IVF outcomes. <i>Environment International</i> , 2018 , 111, 23-31	12.9	53
258	Hallmarks of environmental insults. <i>Cell</i> , 2021 , 184, 1455-1468	56.2	52
257	DNA Methylation Signatures of Depressive Symptoms in Middle-aged and Elderly Persons: Meta-analysis of Multiethnic Epigenome-wide Studies. <i>JAMA Psychiatry</i> , 2018 , 75, 949-959	14.5	51
256	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	9.8	51
255	Effects of short-term exposure to inhalable particulate matter on DNA methylation of tandem repeats. <i>Environmental and Molecular Mutagenesis</i> , 2014 , 55, 322-35	3.2	51
254	Detection of long non-coding RNAs in human breastmilk extracellular vesicles: Implications for early child development. <i>Epigenetics</i> , 2016 , 11, 721-729	5.7	51
253	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	2.8	50
252	Long-term ambient particle exposures and blood DNA methylation age: findings from the VA normative aging study. <i>Environmental Epigenetics</i> , 2016 , 2,	2.4	50
251	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	3.4	49
250	Blood Telomere Length Attrition and Cancer Development in the Normative Aging Study Cohort. <i>EBioMedicine</i> , 2015 , 2, 591-6	8.8	49
249	In utero arsenic exposure and epigenome-wide associations in placenta, umbilical artery, and human umbilical vein endothelial cells. <i>Epigenetics</i> , 2015 , 10, 1054-63	5.7	49

248	Second trimester extracellular microRNAs in maternal blood and fetal growth: An exploratory study. <i>Epigenetics</i> , 2017 , 12, 804-810	5.7	47
247	Exposure to Low Levels of Lead and Umbilical Cord Blood DNA Methylation in Project Viva: An Epigenome-Wide Association Study. <i>Environmental Health Perspectives</i> , 2017 , 125, 087019	8.4	46
246	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018 , 23, 2133-2144	15.1	46
245	Maternal Gestational Diabetes Mellitus and Newborn DNA Methylation: Findings From the Pregnancy and Childhood Epigenetics Consortium. <i>Diabetes Care</i> , 2020 , 43, 98-105	14.6	45
244	Exposure to childhood abuse is associated with human sperm DNA methylation. <i>Translational Psychiatry</i> , 2018 , 8, 194	8.6	44
243	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	8.4	43
242	Birth weight-for-gestational age is associated with DNA methylation at birth and in childhood. <i>Clinical Epigenetics</i> , 2016 , 8, 118	7.7	43
241	Maternal alcohol consumption and offspring DNA methylation: findings from six general population-based birth cohorts. <i>Epigenomics</i> , 2018 , 10, 27-42	4.4	43
240	An epigenome-wide association study of total serum IgE in Hispanic children. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 571-577	11.5	41
239	Altered miRNA expression in the cervix during pregnancy associated with lead and mercury exposure. <i>Epigenomics</i> , 2015 , 7, 885-96	4.4	41
238	Prenatal exposure to mixtures of xenoestrogens and repetitive element DNA methylation changes in human placenta. <i>Environment International</i> , 2014 , 71, 81-7	12.9	41
237	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	6	41
236	Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. <i>Hypertension</i> , 2019 , 74, 375-388	5	40
235	GDM Women's Pre-Pregnancy Overweight/Obesity and Gestational Weight Gain on Offspring Overweight Status. <i>PLoS ONE</i> , 2015 , 10, e0129536	3.7	40
234	Epigenetics: linking social and environmental exposures to preterm birth. <i>Pediatric Research</i> , 2016 , 79, 136-40	3.2	40
233	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	8.5	39
232	Traffic-derived particulate matter exposure and histone H3 modification: A repeated measures study. <i>Environmental Research</i> , 2017 , 153, 112-119	7.9	39
231	Differential DNA methylation and PM species in a 450K epigenome-wide association study. <i>Epigenetics</i> , 2017 , 12, 139-148	5.7	39

230	Impacts of air pollution, temperature, and relative humidity on leukocyte distribution: An epigenetic perspective. <i>Environment International</i> , 2019 , 126, 395-405	12.9	39
229	Fetal growth restriction and methylation of growth-related genes in the placenta. <i>Epigenomics</i> , 2016 , 8, 33-42	4.4	39
228	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	7.9	39
227	The association of lead exposure during pregnancy and childhood anthropometry in the Mexican PROGRESS cohort. <i>Environmental Research</i> , 2017 , 152, 226-232	7.9	39
226	Epigenetic effects of low perinatal doses of flame retardant BDE-47 on mitochondrial and nuclear genes in rat offspring. <i>Toxicology</i> , 2015 , 328, 152-9	4.4	39
225	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	6.9	38
224	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	12.9	38
223	Effect of particulate matter-bound metals exposure on prothrombotic biomarkers: A systematic review. <i>Environmental Research</i> , 2019 , 177, 108573	7.9	38
222	Changes in DNA Methylation in Mouse Lungs after a Single Intra-Tracheal Administration of Nanomaterials. <i>PLoS ONE</i> , 2017 , 12, e0169886	3.7	38
221	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	14.4	37
220	Identifying sensitive windows for prenatal particulate air pollution exposure and mitochondrial DNA content in cord blood. <i>Environment International</i> , 2017 , 98, 198-203	12.9	37
219	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, 141-9	10.2	37
218	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	3.1	37
217	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	3.2	36
216	A longitudinal study of DNA methylation as a potential mediator of age-related diabetes risk. <i>GeroScience</i> , 2017 , 39, 475-489	8.9	36
215	Methylome-wide association study provides evidence of particulate matter air pollution-associated DNA methylation. <i>Environment International</i> , 2019 , 132, 104723	12.9	35
214	Cardiac autonomic dysfunction: particulate air pollution effects are modulated by epigenetic immunoregulation of Toll-like receptor 2 and dietary flavonoid intake. <i>Journal of the American Heart Association</i> , 2015 , 4, e001423	6	35
213	Childhood abuse, promoter methylation of leukocyte NR3C1 and the potential modifying effect of emotional support. <i>Epigenomics</i> , 2016 , 8, 1507-1517	4.4	35

212	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	3	35
211	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	12.9	35
210	Prenatal lead exposure and fetal growth: Smaller infants have heightened susceptibility. <i>Environment International</i> , 2017 , 99, 228-233	12.9	34
209	Testing for the indirect effect under the null for genome-wide mediation analyses. <i>Genetic Epidemiology</i> , 2017 , 41, 824-833	2.6	32
208	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	3	32
207	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , 2019 , 10, 2581	17.4	31
206	Pesticide Use and Relative Leukocyte Telomere Length in the Agricultural Health Study. <i>PLoS ONE</i> , 2015 , 10, e0133382	3.7	31
205	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	7.9	30
204	Effects of environmental noise exposure on DNA methylation in the brain and metabolic health. <i>Environmental Research</i> , 2017 , 153, 73-82	7.9	29
203	Epigenome-wide association study reveals methylation pathways associated with childhood allergic sensitization. <i>Epigenetics</i> , 2019 , 14, 445-466	5.7	28
202	Acute particulate matter affects cardiovascular autonomic modulation and IFN- γ methylation in healthy volunteers. <i>Environmental Research</i> , 2018 , 161, 97-103	7.9	28
201	Prenatal arsenic exposure, child marriage, and pregnancy weight gain: Associations with preterm birth in Bangladesh. <i>Environment International</i> , 2018 , 112, 23-32	12.9	28
200	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, 509-16	8.5	27
199	Prospective changes in global DNA methylation and cancer incidence and mortality. <i>British Journal of Cancer</i> , 2016 , 115, 465-72	8.7	27
198	Whole blood microRNA markers are associated with acute respiratory distress syndrome. <i>Intensive Care Medicine Experimental</i> , 2017 , 5, 38	3.7	27
197	Characterization of genome-wide H3K27ac profiles reveals a distinct PM2.5-associated histone modification signature. <i>Environmental Health</i> , 2015 , 14, 65	6	27
196	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	3.7	27
195	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	7.7	26

194	CYP2E1 epigenetic regulation in chronic, low-level toluene exposure: Relationship with oxidative stress and smoking habit. <i>Toxicology and Applied Pharmacology</i> , 2015 , 286, 207-15	4.6	26
193	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	11.5	25
192	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	8.4	25
191	Association between length of gestation and cervical DNA methylation of PTGER2 and LINE 1-HS. <i>Epigenetics</i> , 2014 , 9, 1083-91	5.7	25
190	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	4.8	25
189	Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. <i>Epigenomics</i> , 2019 , 11, 1487-1500	4.4	24
188	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	10.3	24
187	Epigenome-wide association study of total serum immunoglobulin E in children: a life course approach. <i>Clinical Epigenetics</i> , 2018 , 10, 55	7.7	24
186	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	7.9	24
185	Placental lncRNA Expression Is Associated With Prenatal Phthalate Exposure. <i>Toxicological Sciences</i> , 2018 , 163, 116-122	4.4	23
184	Pessimistic orientation in relation to telomere length in older men: the VA normative aging study. <i>Psychoneuroendocrinology</i> , 2014 , 42, 68-76	5	23
183	Investigating causal relation between prenatal arsenic exposure and birthweight: Are smaller infants more susceptible?. <i>Environment International</i> , 2017 , 108, 32-40	12.9	23
182	Blood methylomics in response to arsenic exposure in a low-exposed US population. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014 , 24, 145-9	6.7	23
181	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	4.9	22
180	Longitudinal Study of DNA Methylation of Inflammatory Genes and Cancer Risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015 , 24, 1531-8	4	22
179	Epigenetics-a potential mediator between air pollution and preterm birth. <i>Environmental Epigenetics</i> , 2016 , 2,	2.4	21
178	Cumulative lifetime maternal stress and epigenome-wide placental DNA methylation in the PRISM cohort. <i>Epigenetics</i> , 2018 , 13, 665-681	5.7	21
177	Prenatal lead exposure modifies the effect of shorter gestation on increased blood pressure in children. <i>Environment International</i> , 2018 , 120, 464-471	12.9	21

- 176 Comparative validation of an epigenetic mortality risk score with three aging biomarkers for predicting mortality risks among older adult males. *International Journal of Epidemiology*, **2019**, 48, 1958-1971 7.8 20
- 175 Prenatal fine particulate exposure associated with reduced childhood lung function and nasal epithelia GSTP1 hypermethylation: Sex-specific effects. *Respiratory Research*, **2018**, 19, 76 7.3 20
- 174 The effect of morphine upon DNA methylation in ten regions of the rat brain. *Epigenetics*, **2017**, 12, 1038-1047 5.1 20
- 173 Molecular and cellular mechanisms linking air pollution and bone damage. *Environmental Research*, **2020**, 185, 109465 7.9 20
- 172 Aberrant promoter methylation in genes related to hematopoietic malignancy in workers exposed to a VOC mixture. *Toxicology and Applied Pharmacology*, **2018**, 339, 65-72 4.6 20
- 171 Association between preconception maternal beverage intake and in vitro fertilization outcomes. *Fertility and Sterility*, **2017**, 108, 1026-1033 4.8 19
- 170 Long-term exposure to black carbon, cognition and single nucleotide polymorphisms in microRNA processing genes in older men. *Environment International*, **2016**, 88, 86-93 12.9 19
- 169 CpGFilter: model-based CpG probe filtering with replicates for epigenome-wide association studies. *Bioinformatics*, **2016**, 32, 469-71 7.2 18
- 168 Prenatal exposure to PM and birth weight: A pooled analysis from three North American longitudinal pregnancy cohort studies. *Environment International*, **2017**, 107, 173-180 12.9 18
- 167 Association of Methylation Signals With Incident Coronary Heart Disease in an Epigenome-Wide Assessment of Circulating Tumor Necrosis Factor α . *JAMA Cardiology*, **2018**, 3, 463-472 16.2 17
- 166 Identifying critical windows of prenatal particulate matter (PM) exposure and early childhood blood pressure. *Environmental Research*, **2020**, 182, 109073 7.9 17
- 165 Methylparaben in meconium and risk of maternal thyroid dysfunction, adverse birth outcomes, and Attention-Deficit Hyperactivity Disorder (ADHD). *Environment International*, **2020**, 139, 105716 12.9 17
- 164 Phthalate Exposures and MicroRNA Expression in Uterine Fibroids: The FORGE Study. *Epigenetics Insights*, **2020**, 13, 2516865720904057 3 16
- 163 Battle of epigenetic proportions: comparing Illumina's EPIC methylation microarrays and TruSeq targeted bisulfite sequencing. *Epigenetics*, **2020**, 15, 174-182 5.7 16
- 162 Accelerated DNA methylation age and the use of antihypertensive medication among older adults. *Aging*, **2018**, 10, 3210-3228 5.6 16
- 161 Epigenome-wide cross-tissue predictive modeling and comparison of cord blood and placental methylation in a birth cohort. *Epigenomics*, **2017**, 9, 231-240 4.4 15
- 160 Empirical comparison of reduced representation bisulfite sequencing and Infinium BeadChip reproducibility and coverage of DNA methylation in humans. *Npj Genomic Medicine*, **2017**, 2, 13 6.2 15
- 159 Influence of multiple APOE genetic variants on cognitive function in a cohort of older men - results from the Normative Aging Study. *BMC Psychiatry*, **2014**, 14, 223 4.2 15

158	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. <i>Genome Medicine</i> , 2020 , 12, 105	14.4	15
157	Bisphenol-A exposure and gene expression in human luteinized membrana granulosa cells in vitro. <i>Human Reproduction</i> , 2017 , 32, 409-417	5.7	14
156	Regulation of birthweight by placenta-derived miRNAs: evidence from an arsenic-exposed birth cohort in Bangladesh. <i>Epigenetics</i> , 2018 , 13, 573-590	5.7	14
155	Effects of Physical Exercise on Endothelial Function and DNA Methylation. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	14
154	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,	4.6	14
153	Pesticide use and LINE-1 methylation among male private pesticide applicators in the Agricultural Health Study. <i>Environmental Epigenetics</i> , 2017 , 3, dvx005	2.4	14
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53	Prenatal phthalates, gestational weight gain, and long-term weight changes among Mexican women.. <i>Environmental Research</i> , 2022 , 112835	7.9	1
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50	Role of brain extracellular vesicles in air pollution-related cognitive impairment and neurodegeneration. <i>Environmental Research</i> , 2022 , 204, 112316	7.9	1
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39	An exposomic framework to uncover environmental drivers of aging. 2022 , 2, osac002		1
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33	Integrative analysis of clinical and epigenetic biomarkers of mortality.. <i>Aging Cell</i> , 2022 , e13608	9.9	1

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19	Prenatal urinary concentrations of phthalate metabolites and behavioral problems in Mexican children: The Programming Research in Obesity, Growth Environment and Social Stress (PROGRESS) study. <i>Environmental Research</i> , 2021 , 201, 111338	7.9	0
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