

Elena Colicino

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.

95
papers

3,487
citations

24
h-index

58
g-index

131
ext. papers

4,712
ext. citations

6.4
avg, IF

4.85
L-index

#	Paper	IF	Citations
95	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015 , 16, 25	18.3	670
94	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016 , 8, 1844-1865	5.6	531
93	Epigenetic Signatures of Cigarette Smoking. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 436-447		442
92	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016 , 17, 255	18.3	171
91	Blood Epigenetic Age may Predict Cancer Incidence and Mortality. <i>EBioMedicine</i> , 2016 , 5, 68-73	8.8	115
90	Predicting Perceived Stress Related to the Covid-19 Outbreak through Stable Psychological Traits and Machine Learning Models. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	88
89	Long-term exposure to air pollution is associated with biological aging. <i>Oncotarget</i> , 2016 , 7, 74510-74525	5.3	83
88	Ambient Fine Particulate Matter, Outdoor Temperature, and Risk of Metabolic Syndrome. <i>American Journal of Epidemiology</i> , 2017 , 185, 30-39	3.8	76
87	Particulate Air Pollution and Fasting Blood Glucose in Nondiabetic Individuals: Associations and Epigenetic Mediation in the Normative Aging Study, 2000-2011. <i>Environmental Health Perspectives</i> , 2016 , 124, 1715-1721	8.4	74
86	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. <i>Aging</i> , 2019 , 11, 2045-2070	5.6	67
85	Estimating and testing high-dimensional mediation effects in epigenetic studies. <i>Bioinformatics</i> , 2016 , 32, 3150-3154	7.2	66
84	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019 , 140, 645-657	16.7	65
83	Changing patterns of the temperature-mortality association by time and location in the US, and implications for climate change. <i>Environment International</i> , 2015 , 81, 80-6	12.9	65
82	Effects of Air Pollution and Blood Mitochondrial DNA Methylation on Markers of Heart Rate Variability. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	65
81	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</i> , 2017 , 1, e337-e347	9.8	51
80	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
79	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

78	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018 , 23, 2133-2144	15.1	46
77	Associations between long-term exposure to PM component species and blood DNA methylation age in the elderly: The VA normative aging study. <i>Environment International</i> , 2017 , 102, 57-65	12.9	42
76	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
75	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
74	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
73	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
72	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
71	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
70	Mitochondrial haplogroups modify the effect of black carbon on age-related cognitive impairment. <i>Environmental Health</i> , 2014 , 13, 42	6	22
69	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	7.8	20
68	Long-term exposure to black carbon, cognition and single nucleotide polymorphisms in microRNA processing genes in older men. <i>Environment International</i> , 2016 , 88, 86-93	12.9	19
67	Sensory evoked potentials to predict short-term progression of disability in multiple sclerosis. <i>Neurological Sciences</i> , 2012 , 33, 887-92	3.5	19
66	Whole Blood DNA Methylation Signatures of Diet Are Associated With Cardiovascular Disease Risk Factors and All-Cause Mortality. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002766	5.2	18
65	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, 463-472	16.2	17
64	On negative outcome control of unobserved confounding as a generalization of difference-in-differences. <i>Statistical Science</i> , 2016 , 31, 348-361	2.4	17
63	Exploring the predictive value of the evoked potentials score in MS within an appropriate patient population: a hint for an early identification of benign MS?. <i>BMC Neurology</i> , 2012 , 12, 80	3.1	16
62	Assessing capacity to social distance and neighborhood-level health disparities during the COVID-19 pandemic 2020 ,		16
61	Accelerated DNA methylation age and the use of antihypertensive medication among older adults. <i>Aging</i> , 2018 , 10, 3210-3228	5.6	16

60	Environmental mixtures and children's health: identifying appropriate statistical approaches. <i>Current Opinion in Pediatrics</i> , 2020 , 32, 315-320	3.2	15
59	Influence of multiple APOE genetic variants on cognitive function in a cohort of older men - results from the Normative Aging Study. <i>BMC Psychiatry</i> , 2014 , 14, 223	4.2	15
58	Prenatal toxic metal mixture exposure and newborn telomere length: Modification by maternal antioxidant intake. <i>Environmental Research</i> , 2020 , 190, 110009	7.9	15
57	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
56	Improving indoor air quality through an air purifier able to reduce aerosol particulate matter (PM) and volatile organic compounds (VOCs): Experimental results. <i>Environmental Research</i> , 2021 , 197, 111137	7.9	14
55	DNA methylation in blood as a mediator of the association of mid-childhood body mass index with cardio-metabolic risk score in early adolescence. <i>Epigenetics</i> , 2018 , 13, 1072-1087	5.7	14
54	Maternal exposure to endocrine disruptors and placental transmission: a pilot study. <i>Gynecological Endocrinology</i> , 2018 , 34, 1001-1004	2.4	13
53	miRNA processing gene polymorphisms, blood DNA methylation age and long-term ambient PM exposure in elderly men. <i>Epigenomics</i> , 2017 , 9, 1529-1542	4.4	12
52	Impacts of the Mitochondrial Genome on the Relationship of Long-Term Ambient Fine Particle Exposure with Blood DNA Methylation Age. <i>Environmental Science & Technology</i> , 2017 , 51, 8185-8195	10.3	11
51	Associations of Annual Ambient Fine Particulate Matter Mass and Components with Mitochondrial DNA Abundance. <i>Epidemiology</i> , 2017 , 28, 763-770	3.1	11
50	Per- and poly-fluoroalkyl substances and bone mineral density: Results from the Bayesian weighted quantile sum regression. <i>Environmental Epidemiology</i> , 2020 , 4, e092	0.2	11
49	Neighborhood-level disparities and subway utilization during the COVID-19 pandemic in New York City. <i>Nature Communications</i> , 2021 , 12, 3692	17.4	11
48	Obesity as an effect modifier of the association between menstrual abnormalities and hypertension in young adult women: Results from Project ELEFANT. <i>PLoS ONE</i> , 2018 , 13, e0207929	3.7	10
47	Prenatal PM exposure and behavioral development in children from Mexico City. <i>NeuroToxicology</i> , 2020 , 81, 109-115	4.4	9
46	Metastable DNA methylation sites associated with longitudinal lung function decline and aging in humans: an epigenome-wide study in the NAS and KORA cohorts. <i>Epigenetics</i> , 2018 , 13, 1039-1055	5.7	9
45	DNA Methylation-Based Biomarkers of Environmental Exposures for Human Population Studies. <i>Current Environmental Health Reports</i> , 2020 , 7, 121-128	6.5	8
44	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,	6.7	8
43	Blood DNA methylation biomarkers of cumulative lead exposure in adults. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021 , 31, 108-116	6.7	8

42	Editor's Highlight: Modifying Role of Endothelial Function Gene Variants on the Association of Long-Term PM2.5 Exposure With Blood DNA Methylation Age: The VA Normative Aging Study. <i>Toxicological Sciences</i> , 2017 , 158, 116-126	4.4	7
41	Untargeted metabolomics profiling and hemoglobin normalization for archived newborn dried blood spots from a refrigerated biorepository. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 191, 113574	3.5	7
40	The evoked potentials score improves the identification of benign MS without cognitive impairment. <i>European Journal of Neurology</i> , 2013 , 20, 1423-5	6	7
39	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020 , 12, 14092-14124	5.6	6
38	APOE ϵ allele modifies the association of lead exposure with age-related cognitive decline in older individuals. <i>Environmental Research</i> , 2016 , 151, 101-105	7.9	6
37	Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. <i>Molecular Psychiatry</i> , 2021 , 26, 1832-1845	15.1	6
36	Early pregnancy exposure to metal mixture and birth outcomes - A prospective study in Project Viva. <i>Environment International</i> , 2021 , 156, 106714	12.9	6
35	Individual species and cumulative mixture relationships of 24-hour urine metal concentrations with DNA methylation age variables in older men. <i>Environmental Research</i> , 2020 , 186, 109573	7.9	5
34	The associations of phthalate biomarkers during pregnancy with later glycemia and lipid profiles. <i>Environment International</i> , 2021 , 155, 106612	12.9	5
33	Long-Term Air Pollution Exposure and COVID-19 Mortality: A Patient-Level Analysis from New York City. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 ,	10.2	4
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	5.7	4
31	Serum dioxin levels and sperm DNA methylation age: Findings in Vietnam war veterans exposed to Agent Orange. <i>Reproductive Toxicology</i> , 2020 , 96, 27-35	3.4	3
30	Regularized estimation in sparse high-dimensional multivariate regression, with application to a DNA methylation study. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017 , 16, 159-171	1.2	3
29	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	5.6	3
28	Prenatal metal mixtures and sex-specific infant negative affectivity. <i>Environmental Epidemiology</i> , 2021 , 5, e147	0.2	3
27	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. <i>PLoS ONE</i> , 2020 , 15, e0233108	3.7	2
26	Cardiac index is associated with oxygenation in COVID-19 acute respiratory distress syndrome. <i>Pulmonary Circulation</i> , 2021 , 11, 20458940211019626	2.7	2
25	Placental mitochondrial DNA mutational load and perinatal outcomes: Findings from a multi-ethnic pregnancy cohort. <i>Mitochondrion</i> , 2021 , 59, 267-275	4.9	2

24	Associations between infant sex and DNA methylation across umbilical cord blood, artery, and placenta samples. <i>Epigenetics</i> , 2021 , 1-18	5.7	2
23	Per- and poly-fluoroalkyl substances and bone mineral density: results from the Bayesian weighted quantile sum regression		1
22	Data-driven discovery of mid-pregnancy immune markers associated with maternal lifetime stress: results from an urban pre-birth cohort. <i>Stress</i> , 2020 , 23, 349-358	3	1
21	Anti-tumor necrosis factor drug responses and skin-blood DNA methylation age: Relationships in moderate-to-severe psoriasis. <i>Experimental Dermatology</i> , 2021 , 30, 1197-1203	4	1
20	Development and Validation of a Clinical Frailty Index for the World Trade Center General Responder Cohort. <i>Journal of Aging and Health</i> , 2021 , 33, 531-544	2.6	1
19	DNAm-based signatures of accelerated aging and mortality in blood are associated with low renal function. <i>Clinical Epigenetics</i> , 2021 , 13, 121	7.7	1
18	Associations of Plasma Folate and Vitamin B6 With Blood DNA Methylation Age: An Analysis of One-Carbon Metabolites in the VA Normative Aging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 760-769	6.4	1
17	Integrative analysis of clinical and epigenetic biomarkers of mortality.. <i>Aging Cell</i> , 2022 , e13608	9.9	1
16	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases.. <i>Nature Communications</i> , 2022 , 13, 2408	17.4	1
15	Combining International Survey Datasets to Identify Indicators of Stress during the COVID-19 Pandemic: A Machine Learning Approach to Improve Generalization. <i>Covid</i> , 2021 , 1, 728-738		0
14	Fetal sex and maternal postpartum depressive symptoms: findings from two prospective pregnancy cohorts. <i>Biology of Sex Differences</i> , 2021 , 12, 6	9.3	0
13	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
12	Critical windows of perinatal particulate matter (PM) exposure and preadolescent kidney function. <i>Environmental Research</i> , 2021 , 204, 112062	7.9	0
11	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children 2020 , 15, e0233108		
10	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children 2020 , 15, e0233108		
9	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children 2020 , 15, e0233108		
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- 5 Environmental exposure to metal mixtures and linear growth in healthy Ugandan children **2020**, 15, e0233108
- 4 Environmental exposure to metal mixtures and linear growth in healthy Ugandan children **2020**, 15, e0233108
- 3 Prenatal exposure to multiple organochlorine compounds and childhood body mass index. *Environmental Epidemiology*, **2022**, 6, e201 0.2
- 2 Intermediate- and long-term associations between air pollution and ambient temperature and glycated hemoglobin levels in women of child bearing age. *Environment International*, **2022**, 107298 12.9
- 1 Maternal steroids during pregnancy and their associations with ambient air pollution and temperature during preconception and early gestational periods. *Environment International*, **2022**, 107320 12.9