

Elena Colicino

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

5,684
citations

159525

30
h-index

88593

70
g-index

131
all docs

131
docs citations

131
times ranked

8467
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA methylation age of blood predicts all-cause mortality in later life. <i>Genome Biology</i> , 2015, 16, 25.	3.8	928
2	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016, 8, 1844-1865.	1.4	786
3	Epigenetic Signatures of Cigarette Smoking. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 436-447.	5.1	678
4	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016, 17, 255.	3.8	251
5	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, 3350.	1.0	171
6	Blood Epigenetic Age may Predict Cancer Incidence and Mortality. <i>EBioMedicine</i> , 2016, 5, 68-73.	2.7	162
7	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. <i>Circulation</i> , 2019, 140, 645-657.	1.6	151
8	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. <i>Aging</i> , 2019, 11, 2045-2070.	1.4	137
9	Long-term exposure to air pollution is associated with biological aging. <i>Oncotarget</i> , 2016, 7, 74510-74525.	0.8	126
10	Estimating and testing high-dimensional mediation effects in epigenetic studies. <i>Bioinformatics</i> , 2016, 32, 3150-3154.	1.8	112
11	Ambient Fine Particulate Matter, Outdoor Temperature, and Risk of Metabolic Syndrome. <i>American Journal of Epidemiology</i> , 2017, 185, 30-39.	1.6	111
12	Particulate Air Pollution and Fasting Blood Glucose in Nondiabetic Individuals: Associations and Epigenetic Mediation in the Normative Aging Study, 2000â€“2011. <i>Environmental Health Perspectives</i> , 2016, 124, 1715-1721.	2.8	104
13	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.	5.1	96
14	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, .	1.6	82
15	Changing patterns of the temperatureâ€“mortality association by time and location in the US, and implications for climate change. <i>Environment International</i> , 2015, 81, 80-86.	4.8	78
16	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.	2.8	73
17	Long-term ambient particle exposures and blood DNA methylation age: findings from the VA normative aging study. <i>Environmental Epigenetics</i> , 2016, 2, dvw006.	0.9	68
18	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018, 23, 2133-2144.	4.1	68

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19	Associations between long-term exposure to PM2.5 component species and blood DNA methylation age in the elderly: The VA normative aging study. <i>Environment International</i> , 2017, 102, 57-65.	4.8	58
20	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, 111131.	3.7	55
21	Impacts of air pollution, temperature, and relative humidity on leukocyte distribution: An epigenetic perspective. <i>Environment International</i> , 2019, 126, 395-405.	4.8	52
22	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.	2.0	44
23	Neighborhood-level disparities and subway utilization during the COVID-19 pandemic in New York City. <i>Nature Communications</i> , 2021, 12, 3692.	5.8	44
24	On Negative Outcome Control of Unobserved Confounding as a Generalization of Difference-in-Differences. <i>Statistical Science</i> , 2016, 31, 348-361.	1.6	43
25	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.	3.7	43
26	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.	1.6	42
27	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.	1.6	40
28	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> , 2022, 205, 651-662.	2.5	40
29	Effects of environmental noise exposure on DNA methylation in the brain and metabolic health. <i>Environmental Research</i> , 2017, 153, 73-82.	3.7	39
30	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.	2.8	36
31	Prenatal PM2.5 exposure and behavioral development in children from Mexico City. <i>NeuroToxicology</i> , 2020, 81, 109-115.	1.4	35
32	Prenatal toxic metal mixture exposure and newborn telomere length: Modification by maternal antioxidant intake. <i>Environmental Research</i> , 2020, 190, 110009.	3.7	34
33	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.	3.0	33
34	Per- and poly-fluoroalkyl substances and bone mineral density. <i>Environmental Epidemiology</i> , 2020, 4, e092.	1.4	32
35	Association of Prenatal Exposure to Endocrine-Disrupting Chemicals With Liver Injury in Children. <i>JAMA Network Open</i> , 2022, 5, e2220176.	2.8	30
36	Environmental mixtures and children's health: identifying appropriate statistical approaches. <i>Current Opinion in Pediatrics</i> , 2020, 32, 315-320.	1.0	28

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37	Early pregnancy exposure to metal mixture and birth outcomes – A prospective study in Project Viva. <i>Environment International</i> , 2021, 156, 106714.	4.8	27
38	Sensory evoked potentials to predict short-term progression of disability in multiple sclerosis. <i>Neurological Sciences</i> , 2012, 33, 887-892.	0.9	26
39	Mitochondrial haplogroups modify the effect of black carbon on age-related cognitive impairment. <i>Environmental Health</i> , 2014, 13, 42.	1.7	26
40	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. <i>Nature Communications</i> , 2022, 13, 2408.	5.8	26
41	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.	0.9	25
42	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.	1.3	24
43	Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. <i>Molecular Psychiatry</i> , 2021, 26, 1832-1845.	4.1	24
44	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.	1.1	22
45	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.	1.2	22
46	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.	4.8	21
47	Accelerated DNA methylation age and the use of antihypertensive medication among older adults. <i>Aging</i> , 2018, 10, 3210-3228.	1.4	21
48	Maternal exposure to endocrine disruptors and placental transmission: a pilot study. <i>Gynecological Endocrinology</i> , 2018, 34, 1001-1004.	0.7	21
49	Blood DNA methylation biomarkers of cumulative lead exposure in adults. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 108-116.	1.8	21
50	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.	1.1	20
51	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.	1.3	20
52	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.	1.3	19
53	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.	1.4	19
54	DNA Methylation-Based Biomarkers of Environmental Exposures for Human Population Studies. <i>Current Environmental Health Reports</i> , 2020, 7, 121-128.	3.2	19

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55	Associations of Annual Ambient Fine Particulate Matter Mass and Components with Mitochondrial DNA Abundance. <i>Epidemiology</i> , 2017, 28, 763-770.	1.2	18
56	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.	0.8	17
57	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.	4.6	16
58	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.	1.7	16
59	Prenatal metal mixtures and sex-specific infant negative affectivity. <i>Environmental Epidemiology</i> , 2021, 5, e147.	1.4	16
60	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.	3.7	16
61	miRNA processing gene polymorphisms, blood DNA methylation age and long-term ambient PM _{2.5} exposure in elderly men. <i>Epigenomics</i> , 2017, 9, 1529-1542.	1.0	15
62	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. <i>Aging</i> , 2020, 12, 14092-14124.	1.4	15
63	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.	2.5	15
64	Associations between infant sex and DNA methylation across umbilical cord blood, artery, and placenta samples. <i>Epigenetics</i> , 2022, 17, 1080-1097.	1.3	14
65	The associations of phthalate biomarkers during pregnancy with later glycemia and lipid profiles. <i>Environment International</i> , 2021, 155, 106612.	4.8	14
66	DNAm-based signatures of accelerated aging and mortality in blood are associated with low renal function. <i>Clinical Epigenetics</i> , 2021, 13, 121.	1.8	13
67	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.	1.4	13
68	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.	1.7	11
69	The evoked potentials score improves the identification of benign MS without cognitive impairment. <i>European Journal of Neurology</i> , 2013, 20, 1423-1425.	1.7	10
70	APOE ϵ 4 allele modifies the association of lead exposure with age-related cognitive decline in older individuals. <i>Environmental Research</i> , 2016, 151, 101-105.	3.7	10
71	Editor's Highlight: Modifying Role of Endothelial Function Gene Variants on the Association of Long-Term PM _{2.5} Exposure With Blood DNA Methylation Age: The VA Normative Aging Study. <i>Toxicological Sciences</i> , 2017, 158, 116-126.	1.4	10
72	Fetal sex and maternal postpartum depressive symptoms: findings from two prospective pregnancy cohorts. <i>Biology of Sex Differences</i> , 2021, 12, 6.	1.8	10

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73	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. PLoS ONE, 2020, 15, e0233108.	1.1	9
74	Placental mitochondrial DNA mutational load and perinatal outcomes: Findings from a multi-ethnic pregnancy cohort. Mitochondrion, 2021, 59, 267-275.	1.6	8
75	Integrative analysis of clinical and epigenetic biomarkers of mortality. Aging Cell, 2022, 21, e13608.	3.0	8
76	Serum dioxin levels and sperm DNA methylation age: Findings in Vietnam war veterans exposed to Agent Orange. Reproductive Toxicology, 2020, 96, 27-35.	1.3	7
77	Regularized estimation in sparse high-dimensional multivariate regression, with application to a DNA methylation study. Statistical Applications in Genetics and Molecular Biology, 2017, 16, 159-171.	0.2	7
78	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.	3.7	6
79	Maternal steroids during pregnancy and their associations with ambient air pollution and temperature during preconception and early gestational periods. Environment International, 2022, 165, 107320.	4.8	6
80	Anti-tumor necrosis factor drug responses and skin-blood DNA methylation age: Relationships in moderate-to-severe psoriasis. Experimental Dermatology, 2021, 30, 1197-1203.	1.4	5
81	Critical windows of perinatal particulate matter (PM2.5) exposure and preadolescent kidney function. Environmental Research, 2022, 204, 112062.	3.7	5
82	Breast milk-derived extracellular vesicle miRNAs are associated with maternal asthma and atopy. Epigenomics, 0, , .	1.0	5
83	Factors Associated with SARS-CoV-2 Infection in Physician Trainees in New York City during the First COVID-19 Wave. International Journal of Environmental Research and Public Health, 2021, 18, 5274.	1.2	4
84	Spatially and Temporally Resolved Ambient PM2.5 in Relation to Preterm Birth. Toxics, 2021, 9, 352.	1.6	4
85	Intermediate- and long-term associations between air pollution and ambient temperature and glycosylated hemoglobin levels in women of child bearing age. Environment International, 2022, 165, 107298.	4.8	4
86	Data-driven discovery of mid-pregnancy immune markers associated with maternal lifetime stress: results from an urban pre-birth cohort. Stress, 2020, 23, 349-358.	0.8	3
87	Development and Validation of a Clinical Frailty Index for the World Trade Center General Responder Cohort. Journal of Aging and Health, 2021, 33, 531-544.	0.9	2
88	Cardiac index is associated with oxygenation in COVID-19 acute respiratory distress syndrome. Pulmonary Circulation, 2021, 11, 1-4.	0.8	2
89	Abstract 4480: Blood epigenetic age may predict cancer incidence and mortality. Cancer Research, 2016, 76, 4480-4480.	0.4	2
90	Daily particulate matter and temperature from satellite-hybrid models and 1.5 million deaths: A time-stratified case-crossover analysis in Central Mexico. ISEE Conference Abstracts, 2021, 2021, .	0.0	1

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91	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
92	Combining International Survey Datasets to Identify Indicators of Stress during the COVID-19 Pandemic: A Machine Learning Approach to Improve Generalization. Covid, 2021, 1, 728-738.	0.7	1
93	Selecting External Controls for Internal Cases Using Stratification Score Matching Methods. International Journal of Environmental Research and Public Health, 2022, 19, 2549.	1.2	1
94	The Caseâ€Crossover Design Under Changing Baseline Outcome Risk: A Simulation of Ambient Temperature and Preterm Birth. Epidemiology, 2022, 33, e14-e15.	1.2	1
95	Prenatal exposure to multiple organochlorine compounds and childhood body mass index. Environmental Epidemiology, 2022, 6, e201.	1.4	1
96	The Luria-Nebraska Neuropsychological Battery Neuromotor Tasks: From Conventional to Image-Derived Measures. Brain Sciences, 2022, 12, 757.	1.1	1
97	Associations between antenatal maternal asthma status and placental DNA methylation. Placenta, 2022, 126, 184-195.	0.7	1
98	S153. Life-Time Lead Exposure and its Association With Cognitive Function and Resting-State Connectivity in Cocaine Addiction. Biological Psychiatry, 2019, 85, S356.	0.7	0
99	Associations between early life exposure to manganese and developmental trajectories of executive functions. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
100	Associations between air pollution and temperature on glycated hemoglobin levels in women of child bearing age. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
101	Critical windows of perinatal particulate matter (PM2.5) exposure and preadolescent kidney function. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
102	Associations between chronic air pollution and COVID-19 mortality: A patient-level analysis from New York City. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
103	Prenatal metal mixtures and early childhood lung function. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
104	Ambient temperature from satellite-hybrid models and preterm birth: A time-stratified case-crossover analysis of 70,000+ preterm births in Central Mexico. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
105	Non-linear and non-additive associations between the pregnancy exposome and birthweight. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
106	Critical windows of metal mixture exposure on functional connectivity in adolescents. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
107	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
108	Residential segregation, air temperature, and circulatory mortality: Exposure model choice matters for disparities analyses. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

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109	Lorenz Curves and Treatment-Covariate Interactions in Clinical Trials. Sri Lankan Journal of Applied Statistics, 2014, 5, 127.	0.1	0
110	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
111	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
112	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
113	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
114	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
115	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
116	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0
117	Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. , 2020, 15, e0233108.		0