

Xu Gao

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,886
citations

411340
20
h-index

325983
40
g-index

52
all docs

52
docs citations

52
times ranked

3256
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA methylation changes of whole blood cells in response to active smoking exposure in adults: a systematic review of DNA methylation studies. <i>Clinical Epigenetics</i> , 2015, 7, 113.	1.8	330
2	Quantification of the pace of biological aging in humans through a blood test, the DunedinPoAm DNA methylation algorithm. <i>ELife</i> , 2020, 9, .	2.8	268
3	DunedinPACE, a DNA methylation biomarker of the pace of aging. <i>ELife</i> , 2022, 11, .	2.8	214
4	Relationship of tobacco smoking and smoking-related DNA methylation with epigenetic age acceleration. <i>Oncotarget</i> , 2016, 7, 46878-46889.	0.8	97
5	Different definitions of CpG island methylator phenotype and outcomes of colorectal cancer: a systematic review. <i>Clinical Epigenetics</i> , 2016, 8, 25.	1.8	83
6	Tobacco smoking and methylation of genes related to lung cancer development. <i>Oncotarget</i> , 2016, 7, 59017-59028.	0.8	73
7	Association of gyrA/B mutations and resistance levels to fluoroquinolones in clinical isolates of <i>Mycobacterium tuberculosis</i> . <i>Emerging Microbes and Infections</i> , 2014, 3, 1-5.	3.0	65
8	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
9	Epigenetic Link Between Statin Therapy and Type 2 Diabetes. <i>Diabetes Care</i> , 2020, 43, 875-884.	4.3	43
10	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.	2.7	42
11	Tobacco smoking and smoking-related DNA methylation are associated with the development of frailty among older adults. <i>Epigenetics</i> , 2017, 12, 149-156.	1.3	41
12	Recurrent tuberculosis in an urban area in China: Relapse or exogenous reinfection?. <i>Tuberculosis</i> , 2017, 103, 97-104.	0.8	39
13	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.	5.3	33
14	The impact of methylation quantitative trait loci (mQTLs) on active smoking-related DNA methylation changes. <i>Clinical Epigenetics</i> , 2017, 9, 87.	1.8	32
15	Meta-analyses identify DNA methylation associated with kidney function and damage. <i>Nature Communications</i> , 2021, 12, 7174.	5.8	30
16	Associations of self-reported smoking, cotinine levels and epigenetic smoking indicators with oxidative stress among older adults: a population-based study. <i>European Journal of Epidemiology</i> , 2017, 32, 443-456.	2.5	26
17	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
18	Serum 25-Hydroxyvitamin D Levels as an Aging Marker: Strong Associations With Age and All-Cause Mortality Independent From Telomere Length, Epigenetic Age Acceleration, and 8-Isoprostane Levels. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 121-128.	1.7	25

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19	Associations of annual ambient PM2.5 components with DNAm PhenoAge acceleration in elderly men: The Normative Aging Study. <i>Environmental Pollution</i> , 2020, 258, 113690.	3.7	25
20	Role of sleep quality in the acceleration of biological aging and its potential for preventive interaction on air pollution insults: Findings from the UK Biobank cohort. <i>Aging Cell</i> , 2022, 21, e13610.	3.0	25
21	Effects of short-term personal exposure to air pollution on platelet mitochondrial DNA methylation levels and the potential mitigation by L-arginine supplementation. <i>Journal of Hazardous Materials</i> , 2021, 417, 125963.	6.5	23
22	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
23	Accelerated DNA methylation age and the use of antihypertensive medication among older adults. <i>Aging</i> , 2018, 10, 3210-3228.	1.4	21
24	Leukocyte telomere length and epigenetic-based mortality risk score: associations with all-cause mortality among older adults. <i>Epigenetics</i> , 2018, 13, 846-857.	1.3	21
25	Short-term exposure to PM2.5 components and renal health: Findings from the Veterans Affairs Normative Aging Study. <i>Journal of Hazardous Materials</i> , 2021, 420, 126557.	6.5	20
26	Associations of <i>Helicobacter pylori</i> infection and chronic atrophic gastritis with accelerated epigenetic ageing in older adults. <i>British Journal of Cancer</i> , 2017, 117, 1211-1214.	2.9	19
27	Oxidative stress and epigenetic mortality risk score: associations with all-cause mortality among elderly people. <i>European Journal of Epidemiology</i> , 2019, 34, 451-462.	2.5	19
28	Association of Neutrophil to Lymphocyte Ratio With Pulmonary Function in a 30-Year Longitudinal Study of US Veterans. <i>JAMA Network Open</i> , 2020, 3, e2010350.	2.8	18
29	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
30	Community-based active case finding for tuberculosis in rural western China: a cross-sectional study. <i>International Journal of Tuberculosis and Lung Disease</i> , 2017, 21, 1134-1139.	0.6	13
31	Short-term ambient particle radioactivity level and renal function in older men: Insight from the Normative Aging Study. <i>Environment International</i> , 2019, 131, 105018.	4.8	13
32	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
33	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
34	Nonsteroidal Antiinflammatory Drugs Modify the Effect of Short-Term Air Pollution on Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 374-378.	2.5	12
35	DNA methylation changes in response to active smoking exposure are associated with leukocyte telomere length among older adults. <i>European Journal of Epidemiology</i> , 2016, 31, 1231-1241.	2.5	11
36	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

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37	Epigenetics of early-life adversity in youth: cross-sectional and longitudinal associations. <i>Clinical Epigenetics</i> , 2022, 14, 48.	1.8	8
38	Epigenome-wide association study of serum urate reveals insights into urate co-regulation and the SLC2A9 locus. <i>Nature Communications</i> , 2021, 12, 7173.	5.8	8
39	Vitamin D status and epigenetic-based mortality risk score: strong independent and joint prediction of all-cause mortality in a population-based cohort study. <i>Clinical Epigenetics</i> , 2018, 10, 84.	1.8	7
40	The Effect of Built Environment on Physical Health and Mental Health of Adults: A Nationwide Cross-Sectional Study in China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6492.	1.2	5
41	Epigenetic age stratifies the risk of blood pressure elevation related to short-term PM2.5 exposure in older adults. <i>Environmental Research</i> , 2022, 212, 113507.	3.7	5
42	Associations of Carbonaceous Compounds and Water-Soluble Inorganic Ions in Ambient PM _{2.5} with Renal Function in Older Individuals: The China BAPE Study. <i>Environmental Science & Technology</i> , 2022, 56, 433-439.	4.6	4
43	Relationship between DNA Methylation Profiles and Active Tuberculosis Development from Latent Infection: a Pilot Study in Nested Case-Control Design. <i>Microbiology Spectrum</i> , 2022, 10, e0058622.	1.2	3
44	Association of DNA methylation in circulating CD4+T cells with short-term PM2.5 pollution waves: A quasi-experimental study of healthy young adults. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113634.	2.9	3
45	Mortality and morbidity risk prediction for older former smokers based on a score of smoking history: evidence from UK Biobank and ESTHER cohorts. <i>Age and Ageing</i> , 2022, 51, .	0.7	2
46	Reply to Alexis: Controlled Chamber Studies Showed Protective Effect of Nonsteroidal Antiinflammatory Drugs against Ozone Exposure: The Stage Was Set for Broader Epidemiologic Investigation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1583-1584.	2.5	0
47	Short-term Exposure to PM2.5 and Epigenetic Aging: A Quasi-Experimental Study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0