

Morgan E Levine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2342283/publications.pdf>

Version: 2024-02-01

95
papers

9,940
citations

101543

36
h-index

76900

74
g-index

115
all docs

115
docs citations

115
times ranked

9581
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-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016, 8, 1844-1865.	3.1	786
3	Quantification of biological aging in young adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4104-10.	7.1	657
4	An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. <i>Genome Biology</i> , 2016, 17, 171.	8.8	535
5	Epigenetic clock analysis of diet, exercise, education, and lifestyle factors. <i>Aging</i> , 2017, 9, 419-446.	3.1	521
6	Modeling the Rate of Senescence: Can Estimated Biological Age Predict Mortality More Accurately Than Chronological Age?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 667-674.	3.6	476
7	Multiple enhancers ensure precision of <i>gap</i> gene-expression patterns in the <i>Drosophila</i> embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13570-13575.	7.1	446
8	Reprogramming to recover youthful epigenetic information and restore vision. <i>Nature</i> , 2020, 588, 124-129.	27.8	424
9	Epigenetic age of the pre-frontal cortex is associated with neuritic plaques, amyloid load, and Alzheimer's disease related cognitive functioning. <i>Aging</i> , 2015, 7, 1198-1211.	3.1	368
10	Menopause accelerates biological aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9327-9332.	7.1	363
11	DNA methylation age of blood predicts future onset of lung cancer in the women's health initiative. <i>Aging</i> , 2015, 7, 690-700.	3.1	254
12	Eleven Telomere, Epigenetic Clock, and Biomarker-Composite Quantifications of Biological Aging: Do They Measure the Same Thing?. <i>American Journal of Epidemiology</i> , 2018, 187, 1220-1230.	3.4	216
13	A new aging measure captures morbidity and mortality risk across diverse subpopulations from NHANES IV: A cohort study. <i>PLoS Medicine</i> , 2018, 15, e1002718.	8.4	210
14	A systematic review of biological, social and environmental factors associated with epigenetic clock acceleration. <i>Ageing Research Reviews</i> , 2021, 69, 101348.	10.9	206
15	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. <i>Nature Communications</i> , 2018, 9, 387.	12.8	151
16	Loneliness, eudaimonia, and the human conserved transcriptional response to adversity. <i>Psychoneuroendocrinology</i> , 2015, 62, 11-17.	2.7	150
17	Time and the Metrics of Aging. <i>Circulation Research</i> , 2018, 123, 740-744.	4.5	143
18	The Impact of Insulin Resistance and Inflammation on the Association Between Sarcopenic Obesity and Physical Functioning. <i>Obesity</i> , 2012, 20, 2101-2106.	3.0	139

#	ARTICLE	IF	CITATIONS
19	Promoter-proximal tethering elements regulate enhancer-promoter specificity in the <i>Drosophila</i> Antennapedia complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9243-9247.	7.1	130
20	Underlying features of epigenetic aging clocks in vivo and in vitro. <i>Aging Cell</i> , 2020, 19, e13229.	6.7	120
21	Evolutionary origins of the vertebrate heart: Specification of the cardiac lineage in <i>Ciona intestinalis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11469-11473.	7.1	118
22	Coordinate enhancers share common organizational features in the <i>Drosophila</i> genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3851-3856.	7.1	115
23	A computational solution for bolstering reliability of epigenetic clocks: implications for clinical trials and longitudinal tracking. <i>Nature Aging</i> , 2022, 2, 644-661.	11.6	95
24	Associations of Age, Sex, Race/Ethnicity, and Education With 13 Epigenetic Clocks in a Nationally Representative U.S. Sample: The Health and Retirement Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1117-1123.	3.6	93
25	Genetic architecture of epigenetic and neuronal ageing rates in human brain regions. <i>Nature Communications</i> , 2017, 8, 15353.	12.8	92
26	A roadmap to build a phenotypic metric of ageing: insights from the Baltimore Longitudinal Study of Aging. <i>Journal of Internal Medicine</i> , 2020, 287, 373-394.	6.0	86
27	Long-range enhancer-promoter interactions in the <i>Scr-Antp</i> interval of the <i>Drosophila</i> Antennapedia complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9878-9883.	7.1	85
28	GATA factors participate in tissue-specific immune responses in <i>Drosophila</i> larvae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15957-15962.	7.1	82
29	Humanin Prevents Age-Related Cognitive Decline in Mice and is Associated with Improved Cognitive Age in Humans. <i>Scientific Reports</i> , 2018, 8, 14212.	3.3	74
30	A comparison of methods for assessing mortality risk. <i>American Journal of Human Biology</i> , 2014, 26, 768-776.	1.6	70
31	Genetic variants near <i>MLST8</i> and <i>DHX57</i> affect the epigenetic age of the cerebellum. <i>Nature Communications</i> , 2016, 7, 10561.	12.8	69
32	Schizophrenia and Epigenetic Aging Biomarkers: Increased Mortality, Reduced Cancer Risk, and Unique Clozapine Effects. <i>Biological Psychiatry</i> , 2020, 88, 224-235.	1.3	52
33	A Polygenic Risk Score Associated with Measures of Depressive Symptoms Among Older Adults. <i>Biodemography and Social Biology</i> , 2014, 60, 199-211.	1.0	51
34	Assessment of Epigenetic Clocks as Biomarkers of Aging in Basic and Population Research. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 463-465.	3.6	51
35	Associations of genetics, behaviors, and life course circumstances with a novel aging and healthspan measure: Evidence from the Health and Retirement Study. <i>PLoS Medicine</i> , 2019, 16, e1002827.	8.4	49
36	The role of epigenetic aging in education and racial/ethnic mortality disparities among older U.S. Women. <i>Psychoneuroendocrinology</i> , 2019, 104, 18-24.	2.7	47

#	ARTICLE	IF	CITATIONS
37	The Socioeconomic Gradient in Epigenetic Ageing Clocks: Evidence from the Multi-Ethnic Study of Atherosclerosis and the Health and Retirement Study. <i>Epigenetics</i> , 2022, 17, 589-611.	2.7	47
38	Is 60 the New 50? Examining Changes in Biological Age Over the Past Two Decades. <i>Demography</i> , 2018, 55, 387-402.	2.5	44
39	Biological Age, Not Chronological Age, Is Associated with Late-Life Depression. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1370-1376.	3.6	42
40	Contemporaneous Social Environment and the Architecture of Late-Life Gene Expression Profiles. <i>American Journal of Epidemiology</i> , 2017, 186, 503-509.	3.4	38
41	A rat epigenetic clock recapitulates phenotypic aging and co-localizes with heterochromatin. <i>ELife</i> , 2020, 9, .	6.0	36
42	Genetic associations for two biological age measures point to distinct aging phenotypes. <i>Aging Cell</i> , 2021, 20, e13376.	6.7	35
43	Aging biomarkers and the brain. <i>Seminars in Cell and Developmental Biology</i> , 2021, 116, 180-193.	5.0	33
44	Biological Aging Predicts Vulnerability to COVID-19 Severity in UK Biobank Participants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, e133-e141.	3.6	30
45	Epigenetic age acceleration, fatigue, and inflammation in patients undergoing radiation therapy for head and neck cancer: A longitudinal study. <i>Cancer</i> , 2021, 127, 3361-3371.	4.1	28
46	Early-Life Intelligence Predicts Midlife Biological Age. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2016, 71, 968-977.	3.9	27
47	Epigenetic aging of the demographically non-aging naked mole-rat. <i>Nature Communications</i> , 2022, 13, 355.	12.8	26
48	A Genetic Network Associated With Stress Resistance, Longevity, and Cancer in Humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 703-712.	3.6	24
49	Mouse brain transcriptome responses to inhaled nanoparticulate matter differed by sex and APOE in Nrf2-Nfkb interactions. <i>ELife</i> , 2020, 9, .	6.0	22
50	Education and Psychosocial Functioning Among Older Adults: 4-Year Change in Sense of Control and Hopelessness. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2018, 73, gbw031.	3.9	21
51	Tick tock, tick tock: Mouse culture and tissue aging captured by an epigenetic clock. <i>Aging Cell</i> , 2022, 21, e13553.	6.7	19
52	Longitudinal Study of DNA Methylation and Epigenetic Clocks Prior to and Following Test-Confirmed COVID-19 and mRNA Vaccination. <i>Frontiers in Genetics</i> , 2022, 13, .	2.3	19
53	A Weighted SNP Correlation Network Method for Estimating Polygenic Risk Scores. <i>Methods in Molecular Biology</i> , 2017, 1613, 277-290.	0.9	18
54	Association of Epigenetic Age Acceleration With Risk Factors, Survival, and Quality of Life in Patients With Head and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 157-167.	0.8	18

#	ARTICLE	IF	CITATIONS
55	Extending human healthspan and longevity: a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1507, 70-83.	3.8	18
56	Not All Smokers Die Young: A Model for Hidden Heterogeneity within the Human Population. <i>PLoS ONE</i> , 2014, 9, e87403.	2.5	18
57	Changing Disease Prevalence, Incidence, and Mortality Among Older Cohorts: The Health and Retirement Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, S21-S26.	3.6	17
58	Vasomotor Symptoms and Accelerated Epigenetic Aging in the Women's Health Initiative (WHI). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1221-1227.	3.6	16
59	Longitudinal phenotypic aging metrics in the Baltimore Longitudinal Study of Aging. <i>Nature Aging</i> , 2022, 2, 635-643.	11.6	15
60	Contribution of life course circumstances to the acceleration of phenotypic and functional aging: A retrospective study. <i>EClinicalMedicine</i> , 2022, 51, 101548.	7.1	15
61	Effects of Recent Stress and Variation in the Serotonin Transporter Polymorphism (5-HTTLPR) on Depressive Symptoms: A Repeated-Measures Study of Adults Age 50 and Older. <i>Behavior Genetics</i> , 2016, 46, 72-88.	2.1	14
62	Predictors and implications of accelerated cognitive aging. <i>Biodemography and Social Biology</i> , 2018, 64, 83-101.	1.0	13
63	Minimizing air pollution exposure: A practical policy to protect vulnerable older adults from death and disability. <i>Environmental Science and Policy</i> , 2016, 56, 49-55.	4.9	11
64	Response to Dr. Mitnitski's and Dr. Rockwood's Letter to the Editor: Biological Age Revisited. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69A, 297-298.	3.6	9
65	The Role of Epigenetic Clocks in Explaining Educational Inequalities in Mortality: A Multicohort Study and Meta-analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1750-1759.	3.6	9
66	Resilience integrates concepts in aging research. <i>IScience</i> , 2022, 25, 104199.	4.1	9
67	Evidence of accelerated epigenetic aging of breast tissues in patients with breast cancer is driven by CpGs associated with polycomb-related genes. <i>Clinical Epigenetics</i> , 2022, 14, 30.	4.1	8
68	Midlife Study of the Louisville Twins: Connecting Cognitive Development to Biological and Cognitive Aging. <i>Behavior Genetics</i> , 2020, 50, 73-83.	2.1	7
69	A Computational Solution to Bolster Epigenetic Clock Reliability for Clinical Trials and Longitudinal Tracking. <i>Innovation in Aging</i> , 2021, 5, 5-5.	0.1	7
70	Epigenetic Biomarkers of Aging. <i>Healthy Ageing and Longevity</i> , 2019, , 155-171.	0.2	5
71	DEVELOPMENT OF EPIGENETIC MEASURES FOR GEROSCIENCE CLINICAL TRIALS. <i>Innovation in Aging</i> , 2019, 3, S746-S746.	0.1	2
72	NOVEL BIOMARKERS OF BIOLOGICAL AGE IN THE HEALTH AND RETIREMENT STUDY. <i>Innovation in Aging</i> , 2019, 3, S430-S431.	0.1	1

#	ARTICLE	IF	CITATIONS
73	Epigenetic Signatures of Cell States in Aging. <i>Innovation in Aging</i> , 2020, 4, 132-132.	0.1	1
74	ADVANCING GEROSCIENCE: NEW METHODS FOR GENOMIC EPIDEMIOLOGY OF AGING. <i>Innovation in Aging</i> , 2018, 2, 61-61.	0.1	0
75	METHYLATION LANDSCAPES UNDERLYING HUMAN BIOLOGICAL AGING. <i>Innovation in Aging</i> , 2018, 2, 836-836.	0.1	0
76	BIOMARKER DATA INNOVATIONS IN THE HEALTH AND RETIREMENT STUDY. <i>Innovation in Aging</i> , 2018, 2, 209-210.	0.1	0
77	AN EPIGENETIC CLOCK FOR AGING AND LIFE EXPECTANCY. <i>Innovation in Aging</i> , 2018, 2, 61-61.	0.1	0
78	GENETIC AND EPIGENETIC CONTRIBUTIONS TO AGING AND DISEASE AMONG SMOKERS. <i>Innovation in Aging</i> , 2018, 2, 864-864.	0.1	0
79	ASSOCIATIONS OF GENETICS AND LIFE COURSE CIRCUMSTANCES WITH A NOVEL AGING MEASURE THAT CAPTURES MORTALITY RISK. <i>Innovation in Aging</i> , 2019, 3, S322-S323.	0.1	0
80	SYSTEMS-LEVEL MODELING OF BIOLOGICAL AND MOLECULAR AGING CHANGES OVER TIME. <i>Innovation in Aging</i> , 2019, 3, S579-S579.	0.1	0
81	LONGITUDINAL CHANGE OF PHYSICAL AND COGNITIVE FUNCTIONS IN BLSA. <i>Innovation in Aging</i> , 2019, 3, S579-S579.	0.1	0
82	ANALYTICAL CONSIDERATIONS OF DEVELOPING A PHENOTYPIC AGING MEASURE: THE CONCEPTUAL FRAMEWORK MUST COME FIRST!. <i>Innovation in Aging</i> , 2019, 3, S579-S580.	0.1	0
83	SCHIZOPHRENIA EPIGENETIC AGING PATTERNS REFLECT ALTERED MORTALITY AND CANCER RISKS. <i>Innovation in Aging</i> , 2019, 3, S893-S893.	0.1	0
84	EPIGENETIC PROFILES OF ALZHEIMER'S DISEASE. <i>Innovation in Aging</i> , 2019, 3, S937-S937.	0.1	0
85	EPIGENETIC PROFILES OF BIOLOGICAL AGING HALLMARKS. <i>Innovation in Aging</i> , 2019, 3, S424-S424.	0.1	0
86	A FUNCTIONAL EPIGENETIC CLOCK FOR RATS. <i>Innovation in Aging</i> , 2019, 3, S33-S33.	0.1	0
87	Epigenetic Age Acceleration in Idiopathic Pulmonary Fibrosis. , 2019, , .		0
88	DNA METHYLATION: CAUSE OR CONSEQUENCE OF AGING?. <i>Innovation in Aging</i> , 2019, 3, S32-S33.	0.1	0
89	GENETIC PREDISPOSITION TO ACCELERATED BIOLOGICAL AGES PREDICTED BY BIOCHEMICAL MARKERS. <i>Innovation in Aging</i> , 2019, 3, S947-S948.	0.1	0
90	A Panel of DNA Methylation and Proteomic Biomarkers for Specific Aging Pathways. <i>Innovation in Aging</i> , 2020, 4, 129-129.	0.1	0

#	ARTICLE	IF	CITATIONS
91	Aging Clocks. <i>Innovation in Aging</i> , 2020, 4, 818-819.	0.1	0
92	New Computational Approaches to Aging Research. <i>Innovation in Aging</i> , 2020, 4, 736-736.	0.1	0
93	Metrics of Phenotypic Aging From the Energetics Perspective. <i>Innovation in Aging</i> , 2020, 4, 143-143.	0.1	0
94	CpG Methylation in Aging: Trajectories of Individual Sites. <i>Innovation in Aging</i> , 2020, 4, 131-131.	0.1	0
95	Life course traumas and cardiovascular disease—the mediating role of accelerated aging. <i>Annals of the New York Academy of Sciences</i> , 2022, 1515, 208-218.	3.8	0