

# DNA methylation-based measures of biological age: me

Aging

8, 1844-1865

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Therapeutic Manipulation of Ageing: Repurposing Old Dogs and Discovering New Tricks. <i>EBioMedicine</i> , 2016, 14, 24-31.	2.7	15
2	Environmental Deflection: The Impact of Toxicant Exposures on the Aging Epigenome. <i>Toxicological Sciences</i> , 2017, 156, kfx005.	1.4	28
3	The methylation of nuclear and mitochondrial DNA in ageing phenotypes and longevity. <i>Mechanisms of Ageing and Development</i> , 2017, 165, 156-161.	2.2	36
4	DNA methylome analysis identifies accelerated epigenetic ageing associated with postmenopausal breast cancer susceptibility. <i>European Journal of Cancer</i> , 2017, 75, 299-307.	1.3	154
5	Maintained memory in aging is associated with young epigenetic age. <i>Neurobiology of Aging</i> , 2017, 55, 167-171.	1.5	70
6	Biological Age Predictors. <i>EBioMedicine</i> , 2017, 21, 29-36.	2.7	713
7	Multi-tissue DNA methylation age predictor in mouse. <i>Genome Biology</i> , 2017, 18, 68.	3.8	341
8	The epigenetic landscape of age-related diseases: the geroscience perspective. <i>Biogerontology</i> , 2017, 18, 549-559.	2.0	62
9	Editorâ€™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.	1.4	10
10	Aging, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , 2017, 9, 689-700.	1.0	73
11	Associations between maternal risk factors of adverse pregnancy and birth outcomes and the offspring epigenetic clock of gestational age at birth. <i>Clinical Epigenetics</i> , 2017, 9, 49.	1.8	68
12	Genetic architecture of epigenetic and neuronal ageing rates in human brain regions. <i>Nature Communications</i> , 2017, 8, 15353.	5.8	92
13	What have we learned on aging from omics studies?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 177-189.	2.3	54
14	Impacts of the Mitochondrial Genome on the Relationship of Long-Term Ambient Fine Particle Exposure with Blood DNA Methylation Age. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8185-8195.	4.6	16
15	Interindividual epigenetic variability: Sound or noise?. <i>BioEssays</i> , 2017, 39, 1700055.	1.2	17
16	DNA methylation age is elevated in breast tissue of healthy women. <i>Breast Cancer Research and Treatment</i> , 2017, 164, 209-219.	1.1	52
17	Using DNA Methylation Profiling to Evaluate Biological Age and Longevity Interventions. <i>Cell Metabolism</i> , 2017, 25, 954-960.e6.	7.2	314
18	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

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19	Epigenetic Age Acceleration Assessed with Human White-Matter Images. <i>Journal of Neuroscience</i> , 2017, 37, 4735-4743.	1.7	24
20	The frailty index outperforms DNA methylation age and its derivatives as an indicator of biological age. <i>GeroScience</i> , 2017, 39, 83-92.	2.1	100
21	The Rotterdam Study: 2018 update on objectives, design and main results. <i>European Journal of Epidemiology</i> , 2017, 32, 807-850.	2.5	379
22	Epigenetic Drift Is a Determinant of Mammalian Lifespan. <i>Rejuvenation Research</i> , 2017, 20, 430-436.	0.9	38
23	DNA Methylation and Human Heart Failure. <i>Circulation</i> , 2017, 136, 1545-1547.	1.6	12
24	Traumatic Stress and Accelerated Cellular Aging: From Epigenetics to Cardiometabolic Disease. <i>Current Psychiatry Reports</i> , 2017, 19, 75.	2.1	51
25	Epigenetic clock analysis in long-term meditators. <i>Psychoneuroendocrinology</i> , 2017, 85, 210-214.	1.3	48
26	Accelerated DNA methylation age in adolescent girls: associations with elevated diurnal cortisol and reduced hippocampal volume. <i>Translational Psychiatry</i> , 2017, 7, e1223-e1223.	2.4	63
27	Biological age is better than chronological as predictor of 3-month outcome in ischemic stroke. <i>Neurology</i> , 2017, 89, 830-836.	1.5	57
28	DNA methylation predicts stroke outcome better. <i>Neurology</i> , 2017, 89, 758-759.	1.5	4
29	Bayesian association scan reveals loci associated with human lifespan and linked biomarkers. <i>Nature Communications</i> , 2017, 8, 15842.	5.8	64
30	Social adversity and epigenetic aging: a multi-cohort study on socioeconomic differences in peripheral blood DNA methylation. <i>Scientific Reports</i> , 2017, 7, 16266.	1.6	181
31	Challenges and recommendations for epigenomics in precision health. <i>Nature Biotechnology</i> , 2017, 35, 1128-1132.	9.4	19
32	Epigenetic correlates of neonatal contact in humans. <i>Development and Psychopathology</i> , 2017, 29, 1517-1538.	1.4	81
33	A longitudinal study of DNA methylation as a potential mediator of age-related diabetes risk. <i>GeroScience</i> , 2017, 39, 475-489.	2.1	62
34	miRNA processing gene polymorphisms, blood DNA methylation age and long-term ambient PM <sub>2.5</sub> exposure in elderly men. <i>Epigenomics</i> , 2017, 9, 1529-1542.	1.0	15
35	Are objective measures of physical capability related to accelerated epigenetic age? Findings from a British birth cohort. <i>BMJ Open</i> , 2017, 7, e016708.	0.8	36
36	'Omics' and endocrine-disrupting chemicals – new paths forward. <i>Nature Reviews Endocrinology</i> , 2017, 13, 740-748.	4.3	48

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37	Differential DNA methylation and lymphocyte proportions in a Costa Rican high longevity region. <i>Epigenetics and Chromatin</i> , 2017, 10, 21.	1.8	24
38	“DNA Methylation signatures in panic disorder” <i>Translational Psychiatry</i> , 2017, 7, 1287.	2.4	42
39	An epigenome-wide association study meta-analysis of educational attainment. <i>Molecular Psychiatry</i> , 2017, 22, 1680-1690.	4.1	70
40	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.	1.6	216
41	The Biology of Aging and Cancer: A Brief Overview of Shared and Divergent Molecular Hallmarks. , 2017, 8, 628.		238
42	DNA Methylation Profiling of Human Prefrontal Cortex Neurons in Heroin Users Shows Significant Difference between Genomic Contexts of Hyper- and Hypomethylation and a Younger Epigenetic Age. <i>Genes</i> , 2017, 8, 152.	1.0	66
43	Metabolic and Genetic Markers of Biological Age. <i>Frontiers in Genetics</i> , 2017, 8, 64.	1.1	27
44	Translating Measures of Biological Aging to Test Effectiveness of Geroprotective Interventions: What Can We Learn from Research on Telomeres?. <i>Frontiers in Genetics</i> , 2017, 8, 164.	1.1	27
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46	Epigenetic clocks for gestational age: statistical and study design considerations. <i>Clinical Epigenetics</i> , 2017, 9, 100.	1.8	24
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48	Accelerated epigenetic aging in Werner syndrome. <i>Aging</i> , 2017, 9, 1143-1152.	1.4	152
49	Biological Age is a predictor of mortality in Ischemic Stroke. <i>Scientific Reports</i> , 2018, 8, 4148.	1.6	53
50	Integrative analysis of omics summary data reveals putative mechanisms underlying complex traits. <i>Nature Communications</i> , 2018, 9, 918.	5.8	250
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53	Prospective Study of Epigenetic Age Acceleration and Incidence of Cardiovascular Disease Outcomes in the ARIC Study (Atherosclerosis Risk in Communities). <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001937.	1.6	97
54	Accelerated DNA methylation aging and increased resilience in veterans: The biological cost for soldiering on. <i>Neurobiology of Stress</i> , 2018, 8, 112-119.	1.9	31

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55	Epigenetic Aging in Major Depressive Disorder. American Journal of Psychiatry, 2018, 175, 774-782.	4.0	172
56	DNA methylation-based biomarkers and the epigenetic clock theory of ageing. Nature Reviews Genetics, 2018, 19, 371-384.	7.7	1,741
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66	Analysis of DNA modifications in aging research. GeroScience, 2018, 40, 11-29.	2.1	39
67	Back to the future: Epigenetic clock plasticity towards healthy aging. Mechanisms of Ageing and Development, 2018, 174, 18-29.	2.2	71
68	Multi-tissue DNA methylation age: Molecular relationships and perspectives for advancing biomarker utility. Ageing Research Reviews, 2018, 45, 15-23.	5.0	33
69	Peripheral DNA methylation, cognitive decline and brain aging: pilot findings from the Whitehall II imaging study. Epigenomics, 2018, 10, 585-595.	1.0	50
70	The Epigenetic Clock at Birth: Associations With Maternal Antenatal Depression and Child Psychiatric Problems. Journal of the American Academy of Child and Adolescent Psychiatry, 2018, 57, 321-328.e2.	0.3	78
71	More than a feeling: A unified view of stress measurement for population science. Frontiers in Neuroendocrinology, 2018, 49, 146-169.	2.5	490
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75	Accelerated aging in schizophrenia and related disorders: Future research. <i>Schizophrenia Research</i> , 2018, 196, 4-8.	1.1	61
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77	DNA methylation patterns are related to co-morbidity status and circulating C-reactive protein levels in the nursing home elderly. <i>Experimental Gerontology</i> , 2018, 105, 47-52.	1.2	10
78	DNA methylation age and perceived age in elderly Danish twins. <i>Mechanisms of Ageing and Development</i> , 2018, 169, 40-44.	2.2	13
79	DNA methylation age is not accelerated in brain or blood of subjects with schizophrenia. <i>Schizophrenia Research</i> , 2018, 196, 39-44.	1.1	41
80	Emerging Omics Approaches in Aging Research. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 985-1002.	2.5	22
81	Association of DNA Methylation-Based Biological Age With Health Risk Factors and Overall and Cause-Specific Mortality. <i>American Journal of Epidemiology</i> , 2018, 187, 529-538.	1.6	106
82	Biological age of the endometrium using DNA methylation. <i>Reproduction</i> , 2018, 155, 165-170.	1.1	13
83	DNA methylation-based biological aging and cancer risk and survival: Pooled analysis of seven prospective studies. <i>International Journal of Cancer</i> , 2018, 142, 1611-1619.	2.3	153
84	Adaptation to metabolic dysfunction during aging: Making the best of a bad situation. <i>Experimental Gerontology</i> , 2018, 107, 87-90.	1.2	11
85	An Incipient Revolution in the Testing of Anti-aging Strategies. <i>Biochemistry (Moscow)</i> , 2018, 83, 1517-1523.	0.7	4
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90	Age and Periodontal Health—Immunological View. <i>Current Oral Health Reports</i> , 2018, 5, 229-241.	0.5	48

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91	Trajectories of inflammatory biomarkers over the eighth decade and their associations with immune cell profiles and epigenetic ageing. <i>Clinical Epigenetics</i> , 2018, 10, 159.	1.8	30
92	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.	3.9	210
93	Personal Genome Project UK (PGP-UK): a research and citizen science hybrid project in support of personalized medicine. <i>BMC Medical Genomics</i> , 2018, 11, 108.	0.7	34
94	Age prediction of children and adolescents aged 6-17 years: an epigenome-wide analysis of DNA methylation. <i>Aging</i> , 2018, 10, 1015-1026.	1.4	22
95	Association of blood leukocyte DNA methylation at LINE-1 and growth-related candidate genes with pubertal onset and progression. <i>Epigenetics</i> , 2018, 13, 1222-1233.	1.3	16
96	Exposure to Polycyclic Aromatic Hydrocarbons and Accelerated DNA Methylation Aging. <i>Environmental Health Perspectives</i> , 2018, 126, 067005.	2.8	62
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104	Epigenetic Age in Male Combat-Exposed War Veterans: Associations with Posttraumatic Stress Disorder Status. <i>Molecular Neuropsychiatry</i> , 2018, 4, 90-99.	3.0	35
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117	DNA Methylation Age—Environmental Influences, Health Impacts, and Its Role in Environmental Epidemiology. <i>Current Environmental Health Reports</i> , 2018, 5, 317-327.	3.2	80
118	Abnormal Epigenetic Regulation of Immune System during Aging. <i>Frontiers in Immunology</i> , 2018, 9, 197.	2.2	65
119	Plasma proteomic signature of age in healthy humans. <i>Aging Cell</i> , 2018, 17, e12799.	3.0	325
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130	Epigenetics and Early Life Adversity: Current Evidence and Considerations for Epigenetic Studies in the Context of Child Maltreatment. Child Maltreatment Solutions Network, 2018, , 89-119.	0.4	3
131	Brain age and other bodily "ages": implications for neuropsychiatry. Molecular Psychiatry, 2019, 24, 266-281.	4.1	291
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142	The nasal methylome as a biomarker of asthma and airway inflammation in children. Nature Communications, 2019, 10, 3095.	5.8	129
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166	Can markers of biological age predict dependency in old age?. Biogerontology, 2019, 20, 321-329.	2.0	19
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