Placental epigenetic clocks: estimating gestational age u levels

Aging

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Citation Report

#	Article	IF	Citations
1	Nutritional Epigenomics and Age-Related Disease. Current Developments in Nutrition, 2020, 4, nzaa097.	0.1	21
2	Replicated umbilical cord blood DNA methylation loci associated with gestational age at birth. Epigenetics, 2020, 15, 1243-1258.	1.3	10
3	Current perspectives on the cellular and molecular features of epigenetic ageing. Experimental Biology and Medicine, 2020, 245, 1532-1542.	1.1	44
4	Ambient air pollution and human epigenetic modifications. , 2021, , 299-343.		0
8	An EPIC predictor of gestational age and its application to newborns conceived by assisted reproductive technologies. Clinical Epigenetics, 2021, 13, 82.	1.8	24
9	No Time to Age: Uncoupling Aging from Chronological Time. Genes, 2021, 12, 611.	1.0	12
10	Characteristics of epigenetic aging across gestational and perinatal tissues. Clinical Epigenetics, 2021, 13, 97.	1.8	25
12	Cumulative procedural pain and brain development in very preterm infants: A systematic review of clinical and preclinical studies. Neuroscience and Biobehavioral Reviews, 2021, 123, 320-336.	2.9	20
13	Estimage: a webserver hub for the computation of methylation age. Nucleic Acids Research, 2021, 49, W199-W206.	6.5	9
14	Examining the Vanishing Twin Hypothesis of Neural Tube Defects: Application of an Epigenetic Predictor for Monozygotic Twinning. Twin Research and Human Genetics, 2021, 24, 155-159.	0.3	1
15	Novel epigenetic clock for fetal brain development predicts prenatal age for cellular stem cell models and derived neurons. Molecular Brain, 2021, 14, 98.	1.3	19
16	Optimal sample size for calibrating DNA methylation age estimators. Molecular Ecology Resources, 2021, 21, 2316-2323.	2.2	14
17	DNA methylation-based age clocks: From age prediction to age reversion. Ageing Research Reviews, 2021, 68, 101314.	5.0	60
18	Effective Aspirin Treatment of Women at Risk for Preeclampsia Delays the Metabolic Clock of Gestation. Hypertension, 2021, 78, 1398-1410.	1.3	10
19	Maternal biological age assessed in early pregnancy is associated with gestational age at birth. Scientific Reports, 2021, 11, 15440.	1.6	6
20	Epigenetic regulation of reproduction in human and in animal models. Molecular Human Reproduction, 2021, 27, .	1.3	3
23	Sex differences in the associations of placental epigenetic aging with fetal growth. Aging, 2019, 11, 5412-5432.	1.4	44
24	DNA methylation clocks as a predictor for ageing and age estimation in naked mole-rats, Heterocephalus glaber. Aging, 2020, 12, 4394-4406.	1.4	20

#	Article	IF	Citations
26	Epigenetics, aging and early life. , 2020, , 239-263.		1
28	Early Pregnancy Exposure to Ambient Air Pollution among Late-Onset Preeclamptic Cases Is Associated with Placental DNA Hypomethylation of Specific Genes and Slower Placental Maturation. Toxics, 2021, 9, 338.	1.6	6
29	Epigenetic Clocks. , 2022, , 261-276.		2
31	eClock: An ensemble-based method to accurately predict ages with a biased distribution from DNA methylation data. PLoS ONE, 2022, 17, e0267349.	1.1	0
33	DNA Methylation, Aging, and Cancer Risk: A Mini-Review. Frontiers in Bioinformatics, 2022, 2, .	1.0	7
34	Large-scale placenta DNA methylation integrated analysis reveals fetal sex-specific differentially methylated CpG sites and regions. Scientific Reports, 2022, 12, .	1.6	10
36	Prenatal Exposure to Ambient Air Pollution and Epigenetic Aging at Birth in Newborns. Frontiers in Genetics, 0, 13, .	1.1	4
37	Evaluation of different computational methods for DNA methylation-based biological age. Briefings in Bioinformatics, 2022, 23, .	3.2	4
40	DNA Methylation Clocks in Age-related Disease. , 2023, , 479-495.		0
41	Placental epigenetic gestational aging in relation to maternal sociodemographic factors and smoking among infants born extremely preterm: a descriptive study. Epigenetics, 2022, 17, 2389-2403.	1.3	5
42	Cadmium inhibits differentiation of human trophoblast stem cells into extravillous trophoblasts and disrupts epigenetic changes within the promoter region of the HLA-G gene. Toxicological Sciences, 0, , .	1.4	2
44	Select Early-Life Environmental Exposures and DNA Methylation in the Placenta. Current Environmental Health Reports, 0, , .	3.2	6
45	Molecular and Epigenetic Mechanisms of DOHaD. , 2022, , 146-165.		0
46	Epigenetic gestational age and the relationship with developmental milestones in early childhood. Human Molecular Genetics, 2023, 32, 1565-1574.	1.4	5
48	Profiling placental DNA methylation associated with maternal SSRI treatment during pregnancy. Scientific Reports, 2022, 12, .	1.6	8
49	Characterization of methylation profiles in spontaneous preterm birth placental villous tissue. PLoS ONE, 2023, 18, e0279991.	1.1	1
50	DNA methylation age at birth and childhood: performance of epigenetic clocks and characteristics associated with epigenetic age acceleration in the Project Viva cohort. Clinical Epigenetics, 2023, 15, .	1.8	12
51	DNA methylation in peripheral blood leukocytes for the association with glucose metabolism and invasive breast cancer. Clinical Epigenetics, 2023, 15, .	1.8	0

#	Article	IF	Citations
52	A human stem cell-derived neuronal model of morphine exposure reflects brain dysregulation in opioid use disorder: Transcriptomic and epigenetic characterization of postmortem-derived iPSC neurons. Frontiers in Psychiatry, 0, 14, .	1.3	2
53	<tt>recountmethylation</tt>enables flexible analysis of public blood DNA methylation array data. Bioinformatics Advances, 2023, 3, .	0.9	1
55	Analysis of Pregnancy Complications and Epigenetic Gestational Age of Newborns. JAMA Network Open, 2023, 6, e230672.	2.8	13
56	Sex-based differences in placental DNA methylation profiles related to gestational age: an NIH ECHO meta-analysis. Epigenetics, 2023, 18, .	1.3	5
57	Epigenetic clocks and female fertility timeline: A new approach to an old issue?. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	2
59	Associations of stress and stress-related psychiatric disorders with GrimAge acceleration: review and suggestions for future work. Translational Psychiatry, 2023, 13, .	2.4	3