

Matthew J Suderman

List of Publications by Year in descending order

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125
papers

8,005
citations

81434

41
h-index

66518

82
g-index

159
all docs

159
docs citations

159
times ranked

11763
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive Periods for the Effect of Childhood Adversity on DNA Methylation: Updated Results From a Prospective, Longitudinal Study. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 567-571.	1.0	3
2	Childhood adversity, pubertal timing and self-harm: a longitudinal cohort study. <i>Psychological Medicine</i> , 2022, 52, 3807-3815.	2.7	4
3	Association between dietary patterns reflecting one-carbon metabolism nutrients intake before pregnancy and placental DNA methylation. <i>Epigenetics</i> , 2022, 17, 715-730.	1.3	9
4	Maternal diet in pregnancy and child's respiratory outcomes: an individual participant data meta-analysis of 18â€€5000 children. <i>European Respiratory Journal</i> , 2022, 59, 2101315.	3.1	9
5	A robust mean and variance test with application to high-dimensional phenotypes. <i>European Journal of Epidemiology</i> , 2022, 37, 377-387.	2.5	8
6	Associations between Adverse Childhood Experiences and the novel inflammatory marker glycoprotein acetyls in two generations of the Avon Longitudinal Study of Parents and Children birth cohort. <i>Brain, Behavior, and Immunity</i> , 2022, 100, 112-120.	2.0	7
7	Epigenetic biomarkers of ageing are predictive of mortality risk in a longitudinal clinical cohort of individuals diagnosed with oropharyngeal cancer. <i>Clinical Epigenetics</i> , 2022, 14, 1.	1.8	17
8	The EWAS Catalog: a database of epigenome-wide association studies. <i>Wellcome Open Research</i> , 2022, 7, 41.	0.9	45
9	Meta-analysis of epigenome-wide association studies in newborns and children show widespread sex differences in blood DNA methylation. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108415.	2.4	24
10	Paternal grandmotherâ€™s smoking in pregnancy is associated with extreme aversion to bitter taste in their grandchildren. <i>Environmental Epigenetics</i> , 2022, 8, dvac003.	0.9	0
11	Updates to data versions and analytic methods influence the reproducibility of results from epigenome-wide association studies. <i>Epigenetics</i> , 2022, 17, 1373-1388.	1.3	9
12	DNA methylation-based predictors of health: applications and statistical considerations. <i>Nature Reviews Genetics</i> , 2022, 23, 369-383.	7.7	67
13	Grandmaternal smoking during pregnancy is associated with differential DNA methylation in peripheral blood of their grandchildren. <i>European Journal of Human Genetics</i> , 2022, 30, 1373-1379.	1.4	13
14	DNA methylation in peripheral tissues and left-handedness. <i>Scientific Reports</i> , 2022, 12, 5606.	1.6	12
15	Examining the epigenetic mechanisms of childhood adversity and sensitive periods: A gene set-based approach. <i>Psychoneuroendocrinology</i> , 2022, 144, 105854.	1.3	2
16	Predictors of maternal dietary quality and dietary inflammation during pregnancy: An individual participant data meta-analysis of seven European cohorts from the ALPHABET consortium. <i>Clinical Nutrition</i> , 2022, 41, 1991-2002.	2.3	4
17	A Structured Approach to Evaluating Life-Course Hypotheses: Moving Beyond Analyses of Exposed Versus Unexposed in the -Omics Context. <i>American Journal of Epidemiology</i> , 2021, 190, 1101-1112.	1.6	11
18	Dietary Quality and Dietary Inflammatory Potential During Pregnancy and Offspring Emotional and Behavioral Symptoms in Childhood: An Individual Participant Data Meta-analysis of Four European Cohorts. <i>Biological Psychiatry</i> , 2021, 89, 550-559.	0.7	23

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19	Associations of maternal dietary inflammatory potential and quality with offspring birth outcomes: An individual participant data pooled analysis of 7 European cohorts in the ALPHABET consortium. PLoS Medicine, 2021, 18, e1003491.	3.9	41
20	DNA methylation signatures of aggression and closely related constructs: A meta-analysis of epigenome-wide studies across the lifespan. Molecular Psychiatry, 2021, 26, 2148-2162.	4.1	21
21	Maternal dietary quality, inflammatory potential and childhood adiposity: an individual participant data pooled analysis of seven European cohorts in the ALPHABET consortium. BMC Medicine, 2021, 19, 33.	2.3	35
22	Assessing the role of genome-wide DNA methylation between smoking and risk of lung cancer using repeated measurements: the HUNT study. International Journal of Epidemiology, 2021, 50, 1482-1497.	0.9	14
23	An exploration of the genetic epidemiology of non-suicidal self-harm and suicide attempt. BMC Psychiatry, 2021, 21, 207.	1.1	11
24	Extraction of nuclei from archived postmortem tissues for single-nucleus sequencing applications. Nature Protocols, 2021, 16, 2788-2801.	5.5	15
25	Single-Cell Genomic Strategies to Understand Psychopathological Processes in Suicide and Associated Psychopathology. Biological Psychiatry, 2021, 89, S81.	0.7	0
26	Neonatal DNA methylation and childhood low prosocial behavior: An epigenome-wide association meta-analysis. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2021, 186, 228-241.	1.1	2
27	Ancestral smoking and developmental outcomes: a review of publications from a population birth cohort. Biology of Reproduction, 2021, 105, 625-631.	1.2	10
28	Do Mass Spectrometry-Derived Metabolomics Improve the Prediction of Pregnancy-Related Disorders? Findings from a UK Birth Cohort with Independent Validation. Metabolites, 2021, 11, 530.	1.3	12
29	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	9.4	218
30	Investigating the DNA methylation profile of e-cigarette use. Clinical Epigenetics, 2021, 13, 183.	1.8	5
31	Epigenome-wide change and variation in DNA methylation in childhood: trajectories from birth to late adolescence. Human Molecular Genetics, 2021, 30, 119-134.	1.4	65
32	Epigenetic modelling of former, current and never smokers. Clinical Epigenetics, 2021, 13, 206.	1.8	11
33	Genome-wide differentially methylated genes associated with posttraumatic stress disorder and longitudinal change in methylation in rape survivors. Translational Psychiatry, 2021, 11, 594.	2.4	7
34	Unexpected Associations between the Number of FRAXE Repeats in Boys and Evidence of Diabetes in Their Mothers and Maternal Grandmothers. OBM Genetics, 2021, 05, 1-1.	0.2	0
35	Adversity exposure during sensitive periods predicts accelerated epigenetic aging in children. Psychoneuroendocrinology, 2020, 113, 104484.	1.3	100
36	Do nuclear magnetic resonance (NMR)-based metabolomics improve the prediction of pregnancy-related disorders? Findings from a UK birth cohort with independent validation. BMC Medicine, 2020, 18, 366.	2.3	22

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37	Long-term effects of stress early in life on microRNA-30a and its network: Preventive effects of lurasidone and potential implications for depression vulnerability. <i>Neurobiology of Stress</i> , 2020, 13, 100271.	1.9	20
38	Investigating evidence for a causal association between inflammation and self-harm: A multivariable Mendelian Randomisation study. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 43-50.	2.0	18
39	Impact of sex hormone-binding globulin on the human phenome. <i>Human Molecular Genetics</i> , 2020, 29, 1824-1832.	1.4	11
40	Associations of adverse childhood experiences with educational attainment and adolescent health and the role of family and socioeconomic factors: A prospective cohort study in the UK. <i>PLoS Medicine</i> , 2020, 17, e1003031.	3.9	112
41	Identifying epigenetic biomarkers of established prognostic factors and survival in a clinical cohort of individuals with oropharyngeal cancer. <i>Clinical Epigenetics</i> , 2020, 12, 95.	1.8	6
42	Single-nucleus transcriptomics of the prefrontal cortex in major depressive disorder implicates oligodendrocyte precursor cells and excitatory neurons. <i>Nature Neuroscience</i> , 2020, 23, 771-781.	7.1	258
43	The association of DNA methylation with body mass index: distinguishing between predictors and biomarkers. <i>Clinical Epigenetics</i> , 2020, 12, 50.	1.8	36
44	Adverse childhood experiences, DNA methylation age acceleration, and cortisol in UK children: a prospective population-based cohort study. <i>Clinical Epigenetics</i> , 2020, 12, 55.	1.8	37
45	Grandchild's IQ is associated with grandparental environments prior to the birth of the parents. <i>Wellcome Open Research</i> , 2020, 5, 198.	0.9	3
46	Epigenomics of being bullied: changes in DNA methylation following bullying exposure. <i>Epigenetics</i> , 2020, 15, 750-764.	1.3	16
47	Grandchild's IQ is associated with grandparental environments prior to the birth of the parents. <i>Wellcome Open Research</i> , 2020, 5, 198.	0.9	3
48	Ancestral childhood environmental exposures occurring to the grandparents and great-grandparents of the ALSPAC study children. <i>Wellcome Open Research</i> , 2020, 5, 207.	0.9	9
49	Dietary Inflammatory Index and Non-Communicable Disease Risk: A Narrative Review. <i>Nutrients</i> , 2019, 11, 1873.	1.7	198
50	Stilbenoid-Mediated Epigenetic Activation of Semaphorin 3A in Breast Cancer Cells Involves Changes in Dynamic Interactions of DNA with DNMT3A and NF1C Transcription Factor. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1801386.	1.5	19
51	Grandmothers' smoking in pregnancy is associated with a reduced prevalence of early-onset myopia. <i>Scientific Reports</i> , 2019, 9, 15413.	1.6	23
52	Pathways between early-life adversity and adolescent self-harm: the mediating role of inflammation in the Avon Longitudinal Study of Parents and Children. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 1094-1103.	3.1	39
53	Response to: Prenatal smoke exposure, DNA methylation and a link between DRD1 and lung cancer. <i>International Journal of Epidemiology</i> , 2019, 48, 1378-1379.	0.9	0
54	Longitudinal investigation of DNA methylation changes preceding adolescent psychotic experiences. <i>Translational Psychiatry</i> , 2019, 9, 69.	2.4	13

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55	Sensitive Periods for the Effect of Childhood Adversity on DNA Methylation: Results From a Prospective, Longitudinal Study. <i>Biological Psychiatry</i> , 2019, 85, 838-849.	0.7	203
56	A randomized controlled trial of folic acid intervention in pregnancy highlights a putative methylation-regulated control element at ZFP57. <i>Clinical Epigenetics</i> , 2019, 11, 31.	1.8	36
57	DNA Methylation Signatures of Breastfeeding in Buccal Cells Collected in Mid-Childhood. <i>Nutrients</i> , 2019, 11, 2804.	1.7	18
58	Deriving the Dietary Approaches to Stop Hypertension (DASH) Score in Women from Seven Pregnancy Cohorts from the European ALPHABET Consortium. <i>Nutrients</i> , 2019, 11, 2706.	1.7	20
59	Epigenetic gestational age and trajectories of weight and height during childhood: a prospective cohort study. <i>Clinical Epigenetics</i> , 2019, 11, 194.	1.8	20
60	Validation and characterisation of a DNA methylation alcohol biomarker across the life course. <i>Clinical Epigenetics</i> , 2019, 11, 163.	1.8	13
61	Tracking the Epigenetic Clock Across the Human Life Course: A Meta-analysis of Longitudinal Cohort Data. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 57-61.	1.7	81
62	Residential exposure to radon and DNA methylation across the lifecourse: an exploratory study in the ALSPAC birth cohort. <i>Wellcome Open Research</i> , 2019, 4, 3.	0.9	9
63	Longitudinal analysis strategies for modelling epigenetic trajectories. <i>International Journal of Epidemiology</i> , 2018, 47, 516-525.	0.9	10
64	Psychosocial adversity and socioeconomic position during childhood and epigenetic age: analysis of two prospective cohort studies. <i>Human Molecular Genetics</i> , 2018, 27, 1301-1308.	1.4	102
65	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. <i>EBioMedicine</i> , 2018, 38, 206-216.	2.7	43
66	DNA methylation derived systemic inflammation indices are associated with head and neck cancer development and survival. <i>Oral Oncology</i> , 2018, 85, 87-94.	0.8	17
67	Epigenetic gestational age acceleration: a prospective cohort study investigating associations with familial, sociodemographic and birth characteristics. <i>Clinical Epigenetics</i> , 2018, 10, 86.	1.8	39
68	Identification of loci where DNA methylation potentially mediates genetic risk of type 1 diabetes. <i>Journal of Autoimmunity</i> , 2018, 93, 66-75.	3.0	26
69	Genome-wide survey of parent-of-origin effects on DNA methylation identifies candidate imprinted loci in humans. <i>Human Molecular Genetics</i> , 2018, 27, 2927-2939.	1.4	22
70	Subtle Alterations in DNA Methylation Patterns in Normal Cells in Response to Dietary Stilbenoids. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800193.	1.5	7
71	DNA methylation as a marker for prenatal smoke exposure in adults. <i>International Journal of Epidemiology</i> , 2018, 47, 1120-1130.	0.9	108
72	Adverse childhood experiences in the children of the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Wellcome Open Research</i> , 2018, 3, 106.	0.9	60

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73	Birth weight discordance, DNA methylation, and cortical morphology of adolescent monozygotic twins. <i>Human Brain Mapping</i> , 2017, 38, 2037-2050.	1.9	19
74	Longitudinal epigenetic predictors of amygdala:hippocampus volume ratio. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 1341-1350.	3.1	28
75	DNA methylation and transcription onset in the brain. <i>Epigenomics</i> , 2017, 9, 797-809.	1.0	12
76	Epigenetic mechanisms underlie the crosstalk between growth factors and a steroid hormone. <i>Nucleic Acids Research</i> , 2017, 45, 12681-12699.	6.5	21
77	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , 2017, 26, 4067-4085.	1.4	211
78	The Signature of Maternal Social Rank in Placenta Deoxyribonucleic Acid Methylation Profiles in Rhesus Monkeys. <i>Child Development</i> , 2017, 88, 900-918.	1.7	18
79	Epigenetic clocks for gestational age: statistical and study design considerations. <i>Clinical Epigenetics</i> , 2017, 9, 100.	1.8	24
80	Epigenome-wide association study of asthma and wheeze in childhood and adolescence. <i>Clinical Epigenetics</i> , 2017, 9, 112.	1.8	60
81	907. Timing of Exposure to Adversity Explains More Variability in DNA Methylation in Late Childhood than Recency or Accumulation of Exposure. <i>Biological Psychiatry</i> , 2017, 81, S366.	0.7	1
82	Overlapping signatures of chronic pain in the DNA methylation landscape of prefrontal cortex and peripheral T cells. <i>Scientific Reports</i> , 2016, 6, 19615.	1.6	78
83	Stilbenoids remodel the DNA methylation patterns in breast cancer cells and inhibit oncogenic NOTCH signaling through epigenetic regulation of MAML2 transcriptional activity. <i>Carcinogenesis</i> , 2016, 37, 656-668.	1.3	85
84	Epigenetic Patterns Modulate the Connection Between Developmental Dynamics of Parenting and Offspring Psychosocial Adjustment. <i>Child Development</i> , 2016, 87, 98-110.	1.7	39
85	Early life adversity alters normal sex-dependent developmental dynamics of DNA methylation. <i>Development and Psychopathology</i> , 2016, 28, 1259-1272.	1.4	34
86	Prenatal and early life influences on epigenetic age in children: a study of mother-offspring pairs from two cohort studies. <i>Human Molecular Genetics</i> , 2016, 25, 191-201.	1.4	205
87	An epigenetic hypothesis for the genomic memory of pain. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 88.	1.8	47
88	Role of DNA Methylation in the Nucleus Accumbens in Incubation of Cocaine Craving. <i>Journal of Neuroscience</i> , 2015, 35, 8042-8058.	1.7	137
89	Maternal pre-pregnancy BMI and gestational weight gain, offspring DNA methylation and later offspring adiposity: findings from the Avon Longitudinal Study of Parents and Children. <i>International Journal of Epidemiology</i> , 2015, 44, 1288-1304.	0.9	244
90	Longitudinal analysis of DNA methylation associated with birth weight and gestational age. <i>Human Molecular Genetics</i> , 2015, 24, 3752-3763.	1.4	120

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91	Lymphoblastoid cell lines reveal associations of adult DNA methylation with childhood and current adversity that are distinct from whole blood associations. <i>International Journal of Epidemiology</i> , 2015, 44, 1331-1340.	0.9	21
92	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015, 523, 459-462.	13.7	173
93	Disruption of histone methylation in developing sperm impairs offspring health transgenerationally. <i>Science</i> , 2015, 350, aab2006.	6.0	426
94	DNA Methylation Signature of Childhood Chronic Physical Aggression in T Cells of Both Men and Women. <i>PLoS ONE</i> , 2014, 9, e86822.	1.1	81
95	DNA Methylation Signatures Triggered by Prenatal Maternal Stress Exposure to a Natural Disaster: Project Ice Storm. <i>PLoS ONE</i> , 2014, 9, e107653.	1.1	249
96	The Multidrug Resistance 1 Gene <i>Abcb1</i> in Brain and Placenta: Comparative Analysis in Human and Guinea Pig. <i>PLoS ONE</i> , 2014, 9, e111135.	1.1	20
97	Genome-wide DNA methylation variability in adolescent monozygotic twins followed since birth. <i>Epigenetics</i> , 2014, 9, 1410-1422.	1.3	63
98	Functional DNA methylation in a transcript specific 3'UTR region of <i>TrkB</i> associates with suicide. <i>Epigenetics</i> , 2014, 9, 1061-1070.	1.3	58
99	Childhood abuse is associated with methylation of multiple loci in adult DNA. <i>BMC Medical Genomics</i> , 2014, 7, 13.	0.7	149
100	Hox in motion: tracking HoxA cluster conformation during differentiation. <i>Nucleic Acids Research</i> , 2014, 42, 1524-1540.	6.5	45
101	Genome-Wide Study of Hypomethylated and Induced Genes in Patients with Liver Cancer Unravels Novel Anticancer Targets. <i>Clinical Cancer Research</i> , 2014, 20, 3118-3132.	3.2	85
102	Synergistic effects of combined DNA methyltransferase inhibition and MBD2 depletion on breast cancer cells; MBD2 depletion blocks 5-aza-2'-deoxycytidine-triggered invasiveness. <i>Carcinogenesis</i> , 2014, 35, 2436-2446.	1.3	16
103	Human leukocyte telomere length is associated with DNA methylation levels in multiple subtelomeric and imprinted loci. <i>Scientific Reports</i> , 2014, 4, 4954.	1.6	85
104	Association of Childhood Chronic Physical Aggression with a DNA Methylation Signature in Adult Human T Cells. <i>PLoS ONE</i> , 2014, 9, e89839.	1.1	76
105	Transcription onset of genes critical in liver carcinogenesis is epigenetically regulated by methylated DNA-binding protein MBD2. <i>Carcinogenesis</i> , 2013, 34, 2738-2749.	1.3	32
106	Glucocorticoid Programming of the Fetal Male Hippocampal Epigenome. <i>Endocrinology</i> , 2013, 154, 1168-1180.	1.4	83
107	Epigenomic socioeconomic studies more similar than different. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1246.	3.3	8
108	Childhood Chronic Physical Aggression Associates with Adult Cytokine Levels in Plasma. <i>PLoS ONE</i> , 2013, 8, e69481.	1.1	37

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109	Discovery and Validation of DNA Hypomethylation Biomarkers for Liver Cancer Using HRM-Specific Probes. PLoS ONE, 2013, 8, e68439.	1.1	12
110	Differential DNA Methylation Regions in Cytokine and Transcription Factor Genomic Loci Associate with Childhood Physical Aggression. PLoS ONE, 2013, 8, e71691.	1.1	60
111	Methylated DNA Binding Domain Protein 2 (MBD2) Coordinately Silences Gene Expression through Activation of the MicroRNA hsa-mir-496 Promoter in Breast Cancer Cell Line. PLoS ONE, 2013, 8, e74009.	1.1	26
112	Conserved epigenetic sensitivity to early life experience in the rat and human hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17266-17272.	3.3	285
113	The Signature of Maternal Rearing in the Methylome in Rhesus Macaque Prefrontal Cortex and T Cells. Journal of Neuroscience, 2012, 32, 15626-15642.	1.7	340
114	Associations with early-life socio-economic position in adult DNA methylation. International Journal of Epidemiology, 2012, 41, 62-74.	0.9	380
115	Broad Epigenetic Signature of Maternal Care in the Brain of Adult Rats. PLoS ONE, 2011, 6, e14739.	1.1	406
116	Definition of the Landscape of Promoter DNA Hypomethylation in Liver Cancer. Cancer Research, 2011, 71, 5891-5903.	0.4	187
117	Searching for Signaling Balance through the Identification of Genetic Interactors of the Rab Guanine-Nucleotide Dissociation Inhibitor gdi-1. PLoS ONE, 2010, 5, e10624.	1.1	11
118	DNA demethylation induced by the methyl-CpG-binding domain protein MBD3. Gene, 2008, 420, 99-106.	1.0	41
119	Promoter-Wide Hypermethylation of the Ribosomal RNA Gene Promoter in the Suicide Brain. PLoS ONE, 2008, 3, e2085.	1.1	339
120	Graph drawings with few slopes. Computational Geometry: Theory and Applications, 2007, 38, 181-193.	0.3	29
121	Drawings of planar graphs with few slopes and segments. Computational Geometry: Theory and Applications, 2007, 38, 194-212.	0.3	56
122	A Fixed-Parameter Approach to 2-Layer Planarization. Algorithmica, 2006, 45, 159-182.	1.0	30
123	Experiments with the Fixed-Parameter Approach for Two-Layer Planarization. Journal of Graph Algorithms and Applications, 2005, 9, 149-163.	0.4	9
124	PATHWIDTH AND LAYERED DRAWINGS OF TREES. International Journal of Computational Geometry and Applications, 2004, 14, 203-225.	0.3	30
125	Regular smoking of male ancestors in adolescence and fat mass in young adult grandchildren and great-grandchildren. Wellcome Open Research, 0, 7, 184.	0.9	0