Karen Sugden

List of Publications by Year
in descending order

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64 papers	14,539 citations	81839 39 h-index	118793 62 g-index
75 all docs	75 docs citations	75 times ranked	15411 citing authors

#	Article	IF	Citations
1	Influence of Life Stress on Depression: Moderation by a Polymorphism in the 5-HTT Gene. Science, 2003, 301, 386-389.	6.0	7,147
2	Quantification of biological aging in young adults. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4104-10.	3.3	657
3	Geneâ€“environment interaction analysis of serotonin system markers with adolescent depression. Molecular Psychiatry, 2004, 9, 908-915.	4.1	612
4	Is Adult ADHD a Childhood-Onset Neurodevelopmental Disorder? Evidence From a Four-Decade Longitudinal Cohort Study. American Journal of Psychiatry, 2015, 172, 967-977.	4.0	452
5	Exposure to violence during childhood is associated with telomere erosion from 5 to 10 years of age: a longitudinal study. Molecular Psychiatry, 2013, 18, 576-581.	4.1	400
6	Longitudinal Assessment of Mental Health Disorders and Comorbidities Across 4 Decades Among Participants in the Dunedin Birth Cohort Study. JAMA Network Open, 2020, 3, e203221.	2.8	313
7	Quantification of the pace of biological aging in humans through a blood test, the DunedinPoAm DNA methylation algorithm. ELife, 2020, 9, .	2.8	268
8	Convergent translational evidence of a role for anandamide in amygdala-mediated fear extinction, threat processing and stress-reactivity. Molecular Psychiatry, 2013, 18, 813-823.	4.1	267
9	Biological embedding of stress through inflammation processes in childhood. Molecular Psychiatry, 2011, 16, 244-246.	4.1	266
10	Protective Effect of CRHR1 Gene Variants on the Development of Adult Depression Following Childhood Maltreatment. Archives of General Psychiatry, 2009, 66, 978.	13.8	260
11	Association of Childhood Blood Lead Levels With Cognitive Function and Socioeconomic Status at Age 38 Years and With IQ Change and Socioeconomic Mobility Between Childhood and Adulthood. JAMA - Journal of the American Medical Association, 2017, 317, 1244.	3.8	223
12	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	9.4	218
13	Eleven Telomere, Epigenetic Clock, and Biomarker-Composite Quantifications of Biological Aging: Do They Measure the Same Thing?. American Journal of Epidemiology, 2018, 187, 1220-1230.	1.6	216
14	DunedinPACE, a DNA methylation biomarker of the pace of aging. ELife, 2022, 11, .	2.8	214
15	The Genetics of Success. Psychological Science, 2016, 27, 957-972.	1.8	205
16	Characterizing genetic and environmental influences on variable DNA methylation using monozygotic and dizygotic twins. PLoS Genetics, 2018, 14, e1007544.	1.5	153
17	Investigating the genetic architecture of noncognitive skills using GWAS-by-subtraction. Nature Genetics, 2021, 53, 35-44.	9.4	145
18	Internalizing disorders and leukocyte telomere erosion: a prospective study of depression, generalized anxiety disorder and post-traumatic stress disorder. Molecular Psychiatry, 2014, 19, 1163-1170.	4.1	142

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19	Serotonin transporter gene moderates childhood maltreatment's effects on persistent but not single-episode depression: Replications and implications for resolving inconsistent results. Journal of Affective Disorders, 2011, 135, 56-65.	2.0	136
20	Development and Evaluation of a Genetic Risk Score for Obesity. Biodemography and Social Biology, 2013, 59, 85-100.	0.4	131
21	Polygenic Risk and the Developmental Progression to Heavy, Persistent Smoking and Nicotine Dependence. JAMA Psychiatry, 2013, 70, 534.	6.0	130
22	Polygenic Risk, Rapid Childhood Growth, and the Development of Obesity. JAMA Pediatrics, 2012, 166, 515-21.	3.6	118
23	Disparities in the pace of biological aging among midlife adults of the same chronological age have implications for future frailty risk and policy. Nature Aging, 2021, 1, 295-308.	5.3	118
24	Is Toxoplasma Gondii Infection Related to Brain and Behavior Impairments in Humans? Evidence from a Population-Representative Birth Cohort. PLoS ONE, 2016, 11, e0148435.	1.1	117
25	Analysis of DNA Methylation in Young People: Limited Evidence for an Association Between Victimization Stress and Epigenetic Variation in Blood. American Journal of Psychiatry, 2018, 175, 517-529.	4.0	114
26	Childhood victimization and inflammation in young adulthood: A genetically sensitive cohort study. Brain, Behavior, and Immunity, 2018, 67, 211-217.	2.0	104
27	Serotonin Transporter Gene Moderates the Development of Emotional Problems Among Children Following Bullying Victimization. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 830-840.	0.3	101
28	Relationship between VNTR polymorphisms of the human dopamine transporter gene and expression in post-mortem midbrain tissue. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 1070-1078.	1.1	81
29	Association of Adverse Experiences and Exposure to Violence in Childhood and Adolescence With Inflammatory Burden in Young People. JAMA Pediatrics, 2020, 174, 38.	3.3	80
30	Patterns of Reliability: Assessing the Reproducibility and Integrity of DNA Methylation Measurement. Patterns, 2020, 1, 100014.	3.1	78
31	Polygenic risk and the development and course of asthma: an analysis of data from a four-decade longitudinal study. Lancet Respiratory Medicine,the, 2013, 1, 453-461.	5.2	76
32	Cumulative childhood risk is associated with a new measure of chronic inflammation in adulthood. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2019, 60, 199-208.	3.1	64
33	Resource profile and user guide of the Polygenic Index Repository. Nature Human Behaviour, 2021, 5, 1744-1758.	6.2	63
34	The dopamine D4 receptor and the hyperactivity phenotype: a developmental-epidemiological study. Molecular Psychiatry, 2002, 7, 383-391.	4.1	55
35	Using DNA From Mothers and Children to Study Parental Investment in Childrenâ€™s Educational Attainment. Child Development, 2020, 91, 1745-1761.	1.7	55
36	Association of Neighborhood Disadvantage in Childhood With DNA Methylation in Young Adulthood. JAMA Network Open, 2020, 3, e206095.	2.8	54

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37	Perinatal Complications and Aging Indicators by Midlife. Pediatrics, 2014, 134, e1315-e1323.	1.0	53
38	Is Chronic Asthma Associated with Shorter Leukocyte Telomere Length at Midlife?. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 384-391.	2.5	52
39	Establishing a generalized polyepigenetic biomarker for tobacco smoking. Translational Psychiatry, 2019, 9, 92.	2.4	51
40	Genetics and the geography of health, behaviour and attainment. Nature Human Behaviour, 2019, 3, 576-586.	6.2	47
41	Epigenome-wide Association Study of Attention-Deficit/Hyperactivity Disorder Symptoms in Adults. Biological Psychiatry, 2019, 86, 599-607.	0.7	47
42	Using hippocampal microRNA expression differences between mouse inbred strains to characterise miRNA function. Mammalian Genome, 2008, 19, 552-60.	1.0	38
43	A Polygenic Score for Higher Educational Attainment is Associated with Larger Brains. Cerebral Cortex, 2019, 29, 3496-3504.	1.6	36
44	Genes within the serotonergic system are differentially expressed in human brain. BMC Neuroscience, 2009, 10, 50.	0.8	35
45	Association Between Elevated suPAR, a New Biomarker of Inflammation, and Accelerated Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 318-327.	1.7	34
46	Genetic association study of childhood aggression across raters, instruments, and age. Translational Psychiatry, 2021, 11, 413.	2.4	31
47	Polygenic Risk and the Course of Attention-Deficit/Hyperactivity Disorder From Childhood to Young Adulthood: Findings From a Nationally Representative Cohort. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 1147-1156.	0.3	28
48	Early-Life Intelligence Predicts Midlife Biological Age. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2016, 71, 968-977.	2.4	27
49	Identical twins carry a persistent epigenetic signature of early genome programming. Nature Communications, 2021, 12, 5618.	5.8	26
50	Linking stressful life events and chronic inflammation using suPAR (soluble urokinase plasminogen) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	22
51	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
52	High-Throughput Single-Nucleotide Polymorphism Genotyping by Fluorescent Competitive Allele-Specific Polymerase Chain Reaction (SNiPTag). Analytical Biochemistry, 2002, 301, 200-206.	1.1	18
53	Housekeeping gene expression is affected by antidepressant treatment in a mouse fibroblast cell line. Journal of Psychopharmacology, 2010, 24, 1253-1259.	2.0	18
54	Mother's and children's <scp>ADHD</scp> genetic risk, household chaos and children's <scp>ADHD</scp> symptoms: A geneâ€“environment correlation study. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 1153-1163.	3.1	16

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55	DNA methylation signatures of adolescent victimization: analysis of a longitudinal monozygotic twin sample. Epigenetics, 2021, 16, 1169-1186.	1.3	14
56	Lifetime marijuana use and epigenetic age acceleration: A 17-year prospective examination. Drug and Alcohol Dependence, 2022, 233, 109363.	1.6	14
57	Continuity of Genetic Risk for Aggressive Behavior Across the Life-Course. Behavior Genetics, 2021, 51, 592-606.	1.4	13
58	Eleven genomic loci affect plasma levels of chronic inflammation marker soluble urokinase-type plasminogen activator receptor. Communications Biology, 2021, 4, 655.	2.0	12
59	Effects of antidepressant drug exposure on gene expression in the developing cerebral cortex. Synapse, 2014, 68, 209-220.	0.6	10
60	Blood Substrate Collection and Handling Procedures under Pseudo-Field Conditions: Evaluation of Suitability for Inflammatory Biomarker Measurement. Biodemography and Social Biology, 2015, 61, 273-284.	0.4	6
61	A polygenic score for ageâ€atâ€firstâ€birth predicts disinhibition. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 1349-1359.	3.1	3
62	Are macular drusen in midlife a marker of accelerated biological ageing?. Australasian journal of optometry, The, 2023, 106, 41-46.	0.6	1
63	P.1.31 Gene expression analyses of mouse fibroblast cell line L929 after antidepressant treatment. European Neuropsychopharmacology, 2007, 17, S27-S28.	0.3	0
64	P.1.001 Chronic clozapine treatment reduces reelin expression in the rat prefrontal cortex. European Neuropsychopharmacology, 2010, 20, S2-S3.	0.3	0