

Esther Walton

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

9,274
citations

94433

37
h-index

51608

86
g-index

114
all docs

114
docs citations

114
times ranked

13060
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. <i>Cell</i> , 2019, 179, 1469-1482.e11.	28.9	935
2	Subcortical brain volume abnormalities in 2028 individuals with schizophrenia and 2540 healthy controls via the ENIGMA consortium. <i>Molecular Psychiatry</i> , 2016, 21, 547-553.	7.9	820
3	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
4	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. <i>Nature Genetics</i> , 2019, 51, 1207-1214.	21.4	641
5	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018, 84, 644-654.	1.3	627
6	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
7	Significant Locus and Metabolic Genetic Correlations Revealed in Genome-Wide Association Study of Anorexia Nervosa. <i>American Journal of Psychiatry</i> , 2017, 174, 850-858.	7.2	410
8	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
9	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	7.1	299
10	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
11	Correspondence of DNA Methylation Between Blood and Brain Tissue and Its Application to Schizophrenia Research. <i>Schizophrenia Bulletin</i> , 2016, 42, 406-414.	4.3	227
12	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
13	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204
14	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
15	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017, 11, 1497-1514.	2.1	144
16	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3â€“90â€“years. <i>Human Brain Mapping</i> , 2022, 43, 431-451.	3.6	143
17	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	11.0	136
18	Epigenetic profiling of ADHD symptoms trajectories: a prospective, methylome-wide study. <i>Molecular Psychiatry</i> , 2017, 22, 250-256.	7.9	124

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19	Prefrontal cortical thinning links to negative symptoms in schizophrenia via the ENIGMA consortium. <i>Psychological Medicine</i> , 2018, 48, 82-94.	4.5	121
20	Methylation Patterns in Whole Blood Correlate With Symptoms in Schizophrenia Patients. <i>Schizophrenia Bulletin</i> , 2014, 40, 769-776.	4.3	115
21	Epigenetic signatures of childhood abuse and neglect: Implications for psychiatric vulnerability. <i>Journal of Psychiatric Research</i> , 2016, 83, 184-194.	3.1	99
22	Annual Research Review: DNA methylation as a mediator in the association between risk exposure and child and adolescent psychopathology. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 303-322.	5.2	92
23	DNA methylation and substance-use risk: a prospective, genome-wide study spanning gestation to adolescence. <i>Translational Psychiatry</i> , 2016, 6, e976-e976.	4.8	86
24	An epigenome-wide association meta-analysis of prenatal maternal stress in neonates: A model approach for replication. <i>Epigenetics</i> , 2016, 11, 140-149.	2.7	80
25	Positive symptoms associate with cortical thinning in the superior temporal gyrus via the ENIGMA Schizophrenia consortium. <i>Acta Psychiatrica Scandinavica</i> , 2017, 135, 439-447.	4.5	80
26	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 452-469.	3.6	72
27	Prenatal unhealthy diet, insulin-like growth factor 2 gene (<i>IGF2</i>) methylation, and attention deficit hyperactivity disorder symptoms in youth with early-onset conduct problems. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 19-27.	5.2	70
28	<i>MB-COMT</i> promoter DNA methylation is associated with working-memory processing in schizophrenia patients and healthy controls. <i>Epigenetics</i> , 2014, 9, 1101-1107.	2.7	65
29	Multi-Polygenic Score Approach to Identifying Individual Vulnerabilities Associated With the Risk of Exposure to Bullying. <i>JAMA Psychiatry</i> , 2019, 76, 730.	11.0	65
30	Epigenome-wide change and variation in DNA methylation in childhood: trajectories from birth to late adolescence. <i>Human Molecular Genetics</i> , 2021, 30, 119-134.	2.9	65
31	Brain structure and function correlates of cognitive subtypes in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 74-83.	1.8	64
32	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
33	Cumulative Genetic Risk and Prefrontal Activity in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2013, 39, 703-711.	4.3	55
34	Association between DNA methylation and ADHD symptoms from birth to school age: a prospective meta-analysis. <i>Translational Psychiatry</i> , 2020, 10, 398.	4.8	54
35	A cross-disorder PRS-pheWAS of 5 major psychiatric disorders in UK Biobank. <i>PLoS Genetics</i> , 2020, 16, e1008185.	3.5	54
36	Prefrontal Inefficiency Is Associated With Polygenic Risk for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2014, 40, 1263-1271.	4.3	53

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37	Neonatal DNA methylation and early-onset conduct problems: A genome-wide, prospective study. <i>Development and Psychopathology</i> , 2018, 30, 383-397.	2.3	43
38	Associations Between Attention-Deficit/Hyperactivity Disorder and Various Eating Disorders: A Swedish Nationwide Population Study Using Multiple Genetically Informative Approaches. <i>Biological Psychiatry</i> , 2019, 86, 577-586.	1.3	43
39	Inflammation-related epigenetic risk and child and adolescent mental health: A prospective study from pregnancy to middle adolescence. <i>Development and Psychopathology</i> , 2018, 30, 1145-1156.	2.3	39
40	A meta-analysis of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the ENIGMA Consortium. <i>Human Brain Mapping</i> , 2022, 43, 352-372.	3.6	39
41	Brain Structure in Acutely Underweight and Partially Weight-Restored Individuals With Anorexia Nervosa: A Coordinated Analysis by the ENIGMA Eating Disorders Working Group. <i>Biological Psychiatry</i> , 2022, 92, 730-738.	1.3	37
42	DRD4 methylation as a potential biomarker for physical aggression: An epigenome-wide, cross-tissue investigation. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 177, 746-764.	1.7	33
43	Investigation of common, low-frequency and rare genome-wide variation in anorexia nervosa. <i>Molecular Psychiatry</i> , 2018, 23, 1169-1180.	7.9	32
44	Epigenetics of Addiction: Current Knowledge, Challenges, and Future Directions. <i>Journal of Studies on Alcohol and Drugs</i> , 2016, 77, 688-691.	1.0	31
45	Smoking, but Not Malnutrition, Influences Promoter-Specific DNA Methylation of the Proopiomelanocortin Gene in Patients with and without Anorexia Nervosa. <i>Canadian Journal of Psychiatry</i> , 2012, 57, 168-176.	1.9	29
46	Associations between DNA methylation and schizophrenia-related intermediate phenotypes – A gene set enrichment analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 59, 31-39.	4.8	29
47	The association of DNA methylation and brain volume in healthy individuals and schizophrenia patients. <i>Schizophrenia Research</i> , 2015, 169, 447-452.	2.0	29
48	Cross-Tissue Exploration of Genetic and Epigenetic Effects on Brain Gray Matter in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018, 44, 443-452.	4.3	29
49	Longitudinal epigenetic predictors of amygdala:hippocampus volume ratio. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2017, 58, 1341-1350.	5.2	28
50	Shared genetic risk between eating disorder and substance use-related phenotypes: Evidence from genome-wide association studies. <i>Addiction Biology</i> , 2021, 26, e12880.	2.6	28
51	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases. <i>Nature Communications</i> , 2022, 13, 2408.	12.8	26
52	A Genome-Wide Association Study Suggests Novel Loci Associated with a Schizophrenia-Related Brain-Based Phenotype. <i>PLoS ONE</i> , 2013, 8, e64872.	2.5	21
53	DNA Methylation, Substance Use and Addiction: a Systematic Review of Recent Animal and Human Research from a Developmental Perspective. <i>Current Addiction Reports</i> , 2015, 2, 331-346.	3.4	21
54	The Impact of Genome-Wide Supported Schizophrenia Risk Variants in the Neurogranin Gene on Brain Structure and Function. <i>PLoS ONE</i> , 2013, 8, e76815.	2.5	21

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55	Complexin2 modulates working memory-related neural activity in patients with schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 137-145.	3.2	19
56	An overlapping pattern of cerebral cortical thinning is associated with both positive symptoms and aggression in schizophrenia via the ENIGMA consortium. <i>Psychological Medicine</i> , 2020, 50, 2034-2045.	4.5	18
57	A Methylome-Wide Association Study of Trajectories of Oppositional Defiant Behaviors and Biological Overlap With Attention Deficit Hyperactivity Disorder. <i>Child Development</i> , 2018, 89, 1839-1855.	3.0	17
58	The Genetics of Endophenotypes of Neurofunction to Understand Schizophrenia (GENUS) consortium: A collaborative cognitive and neuroimaging genetics project. <i>Schizophrenia Research</i> , 2018, 195, 306-317.	2.0	17
59	Obesity and brain structure in schizophrenia – ENIGMA study in 3021 individuals. <i>Molecular Psychiatry</i> , 2022, 27, 3731-3737.	7.9	17
60	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	3.6	16
61	Epigenomics of being bullied: changes in DNA methylation following bullying exposure. <i>Epigenetics</i> , 2020, 15, 750-764.	2.7	16
62	Exploration of Shared Genetic Architecture Between Subcortical Brain Volumes and Anorexia Nervosa. <i>Molecular Neurobiology</i> , 2019, 56, 5146-5156.	4.0	15
63	Genetic influences on cognitive endophenotypes in schizophrenia. <i>Schizophrenia Research</i> , 2014, 156, 71-75.	2.0	14
64	Neuroimaging as a potential biomarker to optimize psychiatric research and treatment. <i>International Review of Psychiatry</i> , 2013, 25, 619-631.	2.8	13
65	Using Openly Accessible Resources to Strengthen Causal Inference in Epigenetic Epidemiology of Neurodevelopment and Mental Health. <i>Genes</i> , 2019, 10, 193.	2.4	13
66	Hidden hypotheses in hypothesis-free genome-wide epigenetic associations. <i>Current Opinion in Psychology</i> , 2019, 27, 13-17.	4.9	12
67	Epigenome-wide association study of seizures in childhood and adolescence. <i>Clinical Epigenetics</i> , 2020, 12, 8.	4.1	12
68	Population neuroimaging: generation of a comprehensive data resource within the ALSPAC pregnancy and birth cohort. <i>Wellcome Open Research</i> , 2020, 5, 203.	1.8	12
69	Peripheral serotonin transporter DNA methylation is linked to increased salience network connectivity in females with anorexia nervosa. <i>Journal of Psychiatry and Neuroscience</i> , 2020, 45, 206-213.	2.4	11
70	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.	3.4	11
71	Common Genetic Variation and Age of Onset of Anorexia Nervosa. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 368-378.	2.2	10
72	Genetic variation in GAD1 is associated with cortical thickness in the parahippocampal gyrus. <i>Journal of Psychiatric Research</i> , 2013, 47, 872-879.	3.1	9

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73	Prenatal diet and childhood ADHD: exploring the potential role of IGF2 methylation. <i>Epigenomics</i> , 2016, 8, 1573-1576.	2.1	9
74	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. <i>PLoS ONE</i> , 2021, 16, e0245475.	2.5	9
75	Updates to data versions and analytic methods influence the reproducibility of results from epigenome-wide association studies. <i>Epigenetics</i> , 2022, 17, 1373-1388.	2.7	9
76	Identifying risk factors involved in the common versus specific liabilities to substance use: A genetically informed approach. <i>Addiction Biology</i> , 2021, 26, e12944.	2.6	7
77	Genetic underpinnings of left superior temporal gyrus thickness in patients with schizophrenia. <i>World Journal of Biological Psychiatry</i> , 2015, 16, 430-440.	2.6	5
78	Epigenome-wide Associations With Attention-Deficit/Hyperactivity Disorder in Adults: The Need for a Longitudinal Life Course Approach in Epigenetic Psychiatry. <i>Biological Psychiatry</i> , 2019, 86, 570-572.	1.3	5
79	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. <i>Biological Psychiatry</i> , 2019, 85, e35-e39.	1.3	5
80	Examining the possible causal relationship between lung function, COPD and Alzheimer's disease: a Mendelian randomisation study. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000759.	3.0	5
81	Genetic underpinnings of left superior temporal gyrus thickness in patients with schizophrenia. <i>World Journal of Biological Psychiatry</i> , 2015, , 1-11.	2.6	5
82	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. <i>Lecture Notes in Computer Science</i> , 2017, 10541, 371-378.	1.3	4
83	DNA methylation of ghrelin and leptin receptors in underweight and recovered patients with anorexia nervosa. <i>Journal of Psychiatric Research</i> , 2020, 131, 271-278.	3.1	3
84	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.	2.2	3
85	Neonatal DNA methylation and childhood low prosocial behavior: An epigenome-wide association meta-analysis. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2021, 186, 228-241.	1.7	2
86	Examining the epigenetic mechanisms of childhood adversity and sensitive periods: A gene set-based approach. <i>Psychoneuroendocrinology</i> , 2022, 144, 105854.	2.7	2
87	Epigenome-wide contributions to individual differences in childhood phenotypes: a GREML approach. <i>Clinical Epigenetics</i> , 2022, 14, 53.	4.1	1