

Iiris Maaria Hovatta

List of Publications by Year in descending order

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86
papers

8,034
citations

61857

43
h-index

56606

83
g-index

92
all docs

92
docs citations

92
times ranked

12555
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Scan Meta-Analysis of Schizophrenia and Bipolar Disorder, Part II: Schizophrenia. <i>American Journal of Human Genetics</i> , 2003, 73, 34-48.	2.6	1,072
2	Identification of seven loci affecting mean telomere length and their association with disease. <i>Nature Genetics</i> , 2013, 45, 422-427.	9.4	808
3	Glyoxalase 1 and glutathione reductase 1 regulate anxiety in mice. <i>Nature</i> , 2005, 438, 662-666.	13.7	428
4	Oxidative stress in anxiety and comorbid disorders. <i>Neuroscience Research</i> , 2010, 68, 261-275.	1.0	284
5	Chromosome 1 loci in Finnish schizophrenia families. <i>Human Molecular Genetics</i> , 2001, 10, 1611-1617.	1.4	274
6	A Genomewide Screen for Schizophrenia Genes in an Isolated Finnish Subpopulation, Suggesting Multiple Susceptibility Loci. <i>American Journal of Human Genetics</i> , 1999, 65, 1114-1124.	2.6	267
7	Mitochondrial myopathy induces a starvation-like response. <i>Human Molecular Genetics</i> , 2010, 19, 3948-3958.	1.4	249
8	Childhood Adversities Are Associated with Shorter Telomere Length at Adult Age both in Individuals with an Anxiety Disorder and Controls. <i>PLoS ONE</i> , 2010, 5, e10826.	1.1	234
9	Adult mouse brain gene expression patterns bear an embryologic imprint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10357-10362.	3.3	182
10	Genome-wide scan for schizophrenia in the Finnish population: evidence for a locus on chromosome 7q22. <i>Human Molecular Genetics</i> , 2000, 9, 1049-1057.	1.4	181
11	Exercise prevents sleep deprivation-associated anxiety-like behavior in rats: Potential role of oxidative stress mechanisms. <i>Behavioural Brain Research</i> , 2011, 224, 233-240.	1.2	178
12	Human microRNAs miR-22, miR-138-2, miR-148a, and miR-488 Are Associated with Panic Disorder and Regulate Several Anxiety Candidate Genes and Related Pathways. <i>Biological Psychiatry</i> , 2011, 69, 526-533.	0.7	167
13	The semaphorin 3A receptor may directly regulate the activity of small GTPases. <i>FEBS Letters</i> , 2000, 486, 68-72.	1.3	158
14	Antagonistic Effects of Rnd1 and RhoD GTPases Regulate Receptor Activity in Semaphorin 3A-Induced Cytoskeletal Collapse. <i>Journal of Neuroscience</i> , 2002, 22, 471-477.	1.7	151
15	A Susceptibility Locus for Migraine with Aura, on Chromosome 4q24. <i>American Journal of Human Genetics</i> , 2002, 70, 652-662.	2.6	146
16	Genome-wide scan in a nationwide study sample of schizophrenia families in Finland reveals susceptibility loci on chromosomes 2q and 5q. <i>Human Molecular Genetics</i> , 2001, 10, 3037-3048.	1.4	142
17	Mutations in CTC1, Encoding the CTS Telomere Maintenance Complex Component 1, Cause Cerebroretinal Microangiopathy with Calcifications and Cysts. <i>American Journal of Human Genetics</i> , 2012, 90, 540-549.	2.6	141
18	Genetic Variants Associated With Anxiety and Stress-Related Disorders. <i>JAMA Psychiatry</i> , 2019, 76, 924.	6.0	140

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19	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 453-475.	2.2	137
20	Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. <i>American Journal of Human Genetics</i> , 2020, 106, 389-404.	2.6	118
21	Telomere length in circulating leukocytes is associated with lung function and disease. <i>European Respiratory Journal</i> , 2014, 43, 983-992.	3.1	103
22	Accuracy of register-based schizophrenia diagnoses in a genetic study. <i>European Psychiatry</i> , 1998, 13, 57-62.	0.1	94
23	Schizophrenia in the genetic isolate of Finland. , 1997, 74, 353-360.		93
24	Potential contribution of oxidative stress and inflammation to anxiety and hypertension. <i>Brain Research</i> , 2011, 1404, 63-71.	1.1	89
25	An Association Analysis of Circadian Genes in Anxiety Disorders. <i>Biological Psychiatry</i> , 2010, 67, 1163-1170.	0.7	82
26	Assessment of the Neuropeptide S System in Anxiety Disorders. <i>Biological Psychiatry</i> , 2010, 68, 474-483.	0.7	79
27	Molecular genetics of anxiety in mice and men. <i>Annals of Medicine</i> , 2008, 40, 92-109.	1.5	78
28	Familial Migraine: Exclusion of the Susceptibility Gene from the Reported Locus of Familial Hemiplegic Migraine on 19p. <i>Genomics</i> , 1994, 23, 707-709.	1.3	77
29	Leukocyte telomere length and its relation to food and nutrient intake in an elderly population. <i>European Journal of Clinical Nutrition</i> , 2012, 66, 1290-1294.	1.3	76
30	Work-Related Exhaustion and Telomere Length: A Population-Based Study. <i>PLoS ONE</i> , 2012, 7, e40186.	1.1	72
31	MicroRNA Expression Profiling Reveals MiRNA Families Regulating Specific Biological Pathways in Mouse Frontal Cortex and Hippocampus. <i>PLoS ONE</i> , 2011, 6, e21495.	1.1	71
32	Circadian Timekeeping Is Disturbed in Rheumatoid Arthritis at Molecular Level. <i>PLoS ONE</i> , 2013, 8, e54049.	1.1	70
33	Linkage analysis of putative schizophrenia gene candidate regions on chromosomes 3p, 5q, 6p, 8p, 20p and 22q in a population-based sampled Finnish family set. <i>Molecular Psychiatry</i> , 1998, 3, 452-457.	4.1	69
34	Batten disease (JNCL) is linked to disturbances in mitochondrial, cytoskeletal, and synaptic compartments. <i>Journal of Neuroscience Research</i> , 2006, 84, 1124-1138.	1.3	65
35	Leukocyte Telomere Length in the Finnish Diabetes Prevention Study. <i>PLoS ONE</i> , 2012, 7, e34948.	1.1	65
36	Brain activation induced by chronic psychosocial stress in mice. <i>Scientific Reports</i> , 2017, 7, 15061.	1.6	64

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37	An Association Analysis of Murine Anxiety Genes in Humans Implicates Novel Candidate Genes for Anxiety Disorders. <i>Biological Psychiatry</i> , 2008, 64, 672-680.	0.7	58
38	Genome-wide association study of panic disorder reveals genetic overlap with neuroticism and depression. <i>Molecular Psychiatry</i> , 2021, 26, 4179-4190.	4.1	58
39	DNA variation and brain region-specific expression profiles exhibit different relationships between inbred mouse strains: implications for eQTL mapping studies. <i>Genome Biology</i> , 2007, 8, R25.	13.9	57
40	Longer telomere length in patients with schizophrenia. <i>Schizophrenia Research</i> , 2013, 149, 116-120.	1.1	57
41	Linkage disequilibrium in isolated populations: Finland and a young sub-population of Kuusamo. <i>European Journal of Human Genetics</i> , 2000, 8, 604-612.	1.4	53
42	Assignment of a Novel Locus for Autosomal Recessive Congenital Ichthyosis to Chromosome 19p13.1-p13.2. <i>American Journal of Human Genetics</i> , 2000, 66, 1132-1137.	2.6	49
43	Gene Expression Alterations in the Cerebellum and Granule Neurons of <i>Cstb</i> ^{-/-} Mouse Are Associated with Early Synaptic Changes and Inflammation. <i>PLoS ONE</i> , 2014, 9, e89321.	1.1	48
44	Genetic Control of Myelin Plasticity after Chronic Psychosocial Stress. <i>ENeuro</i> , 2018, 5, ENEURO.0166-18.2018.	0.9	48
45	Clinical phenotype of schizophrenia in a Finnish isolate. <i>Schizophrenia Research</i> , 2004, 67, 195-205.	1.1	46
46	Brain gene expression profiles of <i>Cln1</i> and <i>Cln5</i> deficient mice unravels common molecular pathways underlying neuronal degeneration in NCL diseases. <i>BMC Genomics</i> , 2008, 9, 146.	1.2	46
47	No Evidence for Shorter Leukocyte Telomere Length in Parkinson's Disease Patients. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 1181-1184.	1.7	45
48	Assessing the contributions of childhood maltreatment subtypes and depression case-control status on telomere length reveals a specific role of physical neglect. <i>Journal of Affective Disorders</i> , 2017, 213, 16-22.	2.0	45
49	Longitudinal decline of leukocyte telomere length in old age and the association with sex and genetic risk. <i>Aging</i> , 2016, 8, 1398-1415.	1.4	45
50	Multi-omics analysis identifies mitochondrial pathways associated with anxiety-related behavior. <i>PLoS Genetics</i> , 2019, 15, e1008358.	1.5	43
51	Assignment of the Locus for PLO-SL, a Frontal-Lobe Dementia with Bone Cysts, to 19q13. <i>American Journal of Human Genetics</i> , 1998, 62, 362-372.	2.6	42
52	No association between body size at birth and leucocyte telomere length in adult life--evidence from three cohort studies. <i>International Journal of Epidemiology</i> , 2012, 41, 1400-1408.	0.9	38
53	Support for involvement of glutamate decarboxylase 1 and neuropeptide γ in anxiety susceptibility. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2012, 159B, 316-327.	1.1	37
54	History of mental disorders and leukocyte telomere length in late adulthood: The Helsinki Birth Cohort Study (HBCS). <i>Journal of Psychiatric Research</i> , 2012, 46, 1346-1353.	1.5	35

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55	Human Leukocyte Antigen-A1 Predicts a Good Therapeutic Response to Clozapine With a Low Risk of Agranulocytosis in Patients With Schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2001, 21, 4-7.	0.7	31
56	Downregulation of SRF/FOS/JUNB pathway in fumarate hydratase deficiency and in uterine leiomyomas. <i>Oncogene</i> , 2009, 28, 1261-1273.	2.6	31
57	Anxiety genetics findings from cross-species genome-wide approaches. <i>Biology of Mood & Anxiety Disorders</i> , 2013, 3, 9.	4.7	29
58	NF- κ B-related factor 2 activation boosts antioxidant defenses and ameliorates inflammatory and amyloid properties in human Presenilin-1 mutated Alzheimer's disease astrocytes. <i>Glia</i> , 2020, 68, 589-599.	2.5	27
59	No association between common variants in glyoxalase 1 and autism spectrum disorders. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2008, 147B, 124-127.	1.1	24
60	Sixth World Congress of Psychiatric Genetics X chromosome workshop. , 1999, 88, 279-286.		23
61	Association of adiponectin and leptin with relative telomere length in seven independent cohorts including 11,448 participants. <i>European Journal of Epidemiology</i> , 2014, 29, 629-638.	2.5	23
62	Baseline Telomere Length and Effects of a Multidomain Lifestyle Intervention on Cognition: The FINGER Randomized Controlled Trial. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1459-1470.	1.2	20
63	Immunomodulatory effects of antipsychotic treatment on gene expression in first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2019, 109, 18-26.	1.5	20
64	miR-9-5p is involved in the rescue of stress-dependent dendritic shortening of hippocampal pyramidal neurons induced by acute antidepressant treatment with ketamine. <i>Neurobiology of Stress</i> , 2021, 15, 100381.	1.9	20
65	Translational Neuroscience of Schizophrenia: Seeking a Meeting of Minds Between Mouse and Man. <i>Science Translational Medicine</i> , 2011, 3, 102mr3.	5.8	18
66	Novel role of RGS2 in regulation of antioxidant homeostasis in neuronal cells. <i>FEBS Letters</i> , 2011, 585, 1375-1381.	1.3	18
67	The effects of globin on microarray-based gene expression analysis of mouse blood. <i>Mammalian Genome</i> , 2010, 21, 268-275.	1.0	17
68	Allele-specific regulation of DISC1 expression by miR-135b-5p. <i>European Journal of Human Genetics</i> , 2014, 22, 840-843.	1.4	16
69	Elevated serum chemokine CCL22 levels in first-episode psychosis: associations with symptoms, peripheral immune state and in vivo brain glial cell function. <i>Translational Psychiatry</i> , 2020, 10, 94.	2.4	16
70	Strong conservation of inbred mouse strain microRNA loci but broad variation in brain microRNAs due to RNA editing and isomiR expression. <i>Rna</i> , 2018, 24, 643-655.	1.6	14
71	Kainate receptor auxiliary subunit NETO2 is required for normal fear expression and extinction. <i>Neuropsychopharmacology</i> , 2019, 44, 1855-1866.	2.8	13
72	The bradykinin system in stress and anxiety in humans and mice. <i>Scientific Reports</i> , 2019, 9, 19437.	1.6	13

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73	Contribution of astrocytes to familial risk and clinical manifestation of schizophrenia. <i>Glia</i> , 2022, 70, 650-660.	2.5	12
74	Concordance for Sex and the Pseudoautosomal Gene Hypothesis Revisited: No Evidence of Increased Sex Concordance in a Nationwide Finnish Sample of Siblings With Paternally Derived Schizophrenia. <i>American Journal of Psychiatry</i> , 1998, 155, 1365-1375.	4.0	11
75	Telomere Length Change in a Multidomain Lifestyle Intervention to Prevent Cognitive Decline: A Randomized Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 491-498.	1.7	11
76	The circadian gene Cryptochrome 2 influences stress-induced brain activity and depressive-like behavior in mice. <i>Genes, Brain and Behavior</i> , 2021, 20, e12708.	1.1	10
77	Genetics: Dynamic Cellular Aging Markers Associated with Major Depression. <i>Current Biology</i> , 2015, 25, R409-R411.	1.8	9
78	Maternal stress or sleep during pregnancy are not reflected on telomere length of newborns. <i>Scientific Reports</i> , 2020, 10, 13986.	1.6	9
79	Prolyl oligopeptidase inhibition reduces alpha-synuclein aggregation in a cellular model of multiple system atrophy. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9634-9646.	1.6	9
80	Variants in regulatory elements of PDE4D associate with major mental illness in the Finnish population. <i>Molecular Psychiatry</i> , 2021, 26, 816-824.	4.1	8
81	Kainate Receptor Auxiliary Subunit NETO2-Related Cued Fear Conditioning Impairments Associate with Defects in Amygdala Development and Excitability. <i>ENeuro</i> , 2020, 7, ENEURO.0541-19.2020.	0.9	8
82	Childhood adversities are associated with shorter leukocyte telomere length at adult age in a population-based study. <i>Psychoneuroendocrinology</i> , 2021, 130, 105276.	1.3	4
83	Peripheral metabolic state and immune system in first-episode psychosis – A gene expression study with a prospective one-year follow-up. <i>Journal of Psychiatric Research</i> , 2021, 137, 383-392.	1.5	3
84	A genome-wide screen for acrophobia susceptibility loci in a Finnish isolate. <i>Scientific Reports</i> , 2016, 6, 39345.	1.6	2
85	SNP Variants at 16p13.11 Clarify the Role of the NDE1/miR-484 Locus in Major Mental Illness in Finland. <i>Schizophrenia Bulletin Open</i> , 2020, 1, .	0.9	1
86	A Potential Protective Role of RGS2 in Oxidative Stress Mediated Anxious Behavior in Rats. <i>FASEB Journal</i> , 2009, 23, LB359.	0.2	0