HÃ¥kan Karlsson

List of Publications by Year
in descending order

77 papers	3,706 citations	126907 33 h-index	138484 58 g-index
81 all docs	81 docs citations	81 times ranked	4757 citing authors

#	Article	IF	Citations
1	Retroviral RNA identified in the cerebrospinal fluids and brains of individuals with schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4634-4639.	7.1	327
2	Maternal hospitalization with infection during pregnancy and risk of autism spectrum disorders. Brain, Behavior, and Immunity, 2015, 44, 100-105.	4.1	257
3	Infections in the CNS During Childhood and the Risk of Subsequent Psychotic Illness: A Cohort Study of More Than One Million Swedish Subjects. American Journal of Psychiatry, 2008, 165, 59-65.	7.2	201
4	Endogenous retroviruses and schizophrenia. Brain Research Reviews, 2000, 31, 193-199.	9.0	162
5	Activation of brain interleukin-1Î² in schizophrenia. Molecular Psychiatry, 2009, 14, 1069-1071.	7.9	147
6	Transactivation of elements in the human endogenous retrovirus W family by viral infection. Retrovirology, 2006, 3, 44.	2.0	131
7	Parental age and the risk of autism spectrum disorders: findings from a Swedish population-based cohort. International Journal of Epidemiology, 2014, 43, 107-115.	1.9	129
8	Association of Prenatal Maternal Anemia With Neurodevelopmental Disorders. JAMA Psychiatry, 2019, 76, 1294.	11.0	126
9	Evaluation of minor groove binding probe and Taqman probe PCR assays: Influence of mismatches and template complexity on quantification. Molecular and Cellular Probes, 2006, 20, 311-316.	2.1	99
10	Maternal body mass index during early pregnancy, gestational weight gain, and risk of autism spectrum disorders: Results from a Swedish total population and discordant sibling study. International Journal of Epidemiology, 2015, 44, 870-883.	1.9	99
11	HERV-W-related RNA detected in plasma from individuals with recent-onset schizophrenia or schizoaffective disorder. Molecular Psychiatry, 2004, 9, 12-13.	7.9	88
12	Associations Between Maternal Infection During Pregnancy, Childhood Infections and the Risk of Subsequent Psychotic Disorderâ€"A Swedish Cohort Study of Nearly 2 Million Individuals. Schizophrenia Bulletin, 2016, 42, sbv112.	4.3	78
13	H1N1 influenza virus induces narcolepsy-like sleep disruption and targets sleepâ€"wake regulatory neurons in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E368-77.	7.1	71
14	Elevated levels of human endogenous retrovirus-W transcripts in blood cells from patients with first episode schizophrenia. Genes, Brain and Behavior, 2007, 7, 070607052624002-???.	2.2	68
15	Persistence of viral RNA in the brain of offspring to mice infected with influenza A/WSN/33 virus during pregnancy. Journal of NeuroVirology, 2002, 8, 353-357.	2.1	66
16	Activation of kynurenine pathway in exÂvivo fibroblasts from patients with bipolar disorder or schizophrenia: Cytokine challenge increases production of 3-hydroxykynurenine. Journal of Psychiatric Research, 2013, 47, 1815-1823.	3.1	61
17	Maternal vitamin D deficiency and the risk of autism spectrum disorders: population-based study. BJPsych Open, 2016, 2, 170-172.	0.7	61
18	Antidepressant-induced lipidosis with special reference to tricyclic compounds. Progress in Neurobiology, 2000, 60, 501-512.	5.7	60

#	Article	IF	Citations
19	Maternal antibodies to infectious agents and risk for non-affective psychoses in the offspringâ€”a matched caseâ€“control study. Schizophrenia Research, 2012, 140, 25-30.	2.0	60
20	Developmental vitamin D and autism spectrum disorders: findings from the Stockholm Youth Cohort. Molecular Psychiatry, 2021, 26, 1578-1588.	7.9	60
21	Effects of pro-inflammatory cytokines on expression of kynurenine pathway enzymes in human dermal fibroblasts. Journal of Inflammation, 2011, 8, 25.	3.4	57
22	Transcriptional Derepression of the ERVWE1 Locus following Influenza A Virus Infection. Journal of Virology, 2014, 88, 4328-4337.	3.4	56
23	Hospital Admission With Infection During Childhood and Risk for Psychotic Illness--A Population-based Cohort Study. Schizophrenia Bulletin, 2014, 40, 1518-1525.	4.3	56
24	Family History of Mental and Neurological Disorders and Risk of Autism. JAMA Network Open, 2019, 2, e190154.	5.9	53
25	Alteration of Thioredoxin and Glutaredoxin in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 39, 787-797.	2.6	52
26	Association of maternal diabetes with neurodevelopmental disorders: autism spectrum disorders, attention-deficit/hyperactivity disorder and intellectual disability. International Journal of Epidemiology, 2021, 50, 459-474.	1.9	48
27	Expression and regulation of human endogenous retrovirus W elements. Apmis, 2016, 124, 52-66.	2.0	47
28	Neonatal infection with neurotropic influenza A virus induces the kynurenine pathway in early life and disrupts sensorimotor gating in adult Tap1â^'/â^' mice. International Journal of Neuropsychopharmacology, 2010, 13, 475.	2.1	46
29	Extraction of RNA from Dried Blood on Filter Papers after Long-Term Storage. Clinical Chemistry, 2003, 49, 979-981.	3.2	45
30	Induction of the kynurenine pathway by neurotropic influenza a virus infection. Journal of Neuroscience Research, 2008, 86, 3674-3683.	2.9	40
31	Association of Childhood Infection With IQ and Adult Nonaffective Psychosis in Swedish Men. JAMA Psychiatry, 2018, 75, 356.	11.0	40
32	Maternal Antibodies to Dietary Antigens and Risk for Nonaffective Psychosis in Offspring. American Journal of Psychiatry, 2012, 169, 625-632.	7.2	38
33	Behavioral disturbances in adult mice following neonatal virus infection or kynurenine treatment â€“ Role of brain kynurenic acid. Brain, Behavior, and Immunity, 2014, 36, 80-89.	4.1	37
34	Verification of proposed peripheral biomarkers in mononuclear cells of individuals with schizophrenia. Journal of Psychiatric Research, 2008, 42, 639-643.	3.1	36
35	Elevated levels of transcripts encoding a human retroviral envelope protein (syncytin) in muscles from patients with motor neuron disease. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2007, 8, 67-72.	2.1	34
36	The Familial Risk of Autism Spectrum Disorder with and without Intellectual Disability. Autism Research, 2020, 13, 2242-2250.	3.8	33

#	Article	IF	Citations
37	Persistence of the influenza A/WSN/33 virus RNA at midbrain levels of immunodefective mice. Journal of NeuroVirology, 2001, 7, 117-124.	2.1	32
38	Tricyclic antidepressants induce apoptosis in human T lymphocytes. International Journal of Immunopharmacology, 1998, 19, 645-654.	1.1	30
39	Increased plasma levels of thioredoxin-1 in patients with first episode psychosis and long-term schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1117-1121.	4.8	30
40	Schizophrenia-risk and urban birth are associated with proteomic changes in neonatal dried blood spots. Translational Psychiatry, 2017, 7, 1290.	4.8	30
41	Neonatal infection with neurotropic influenza A virus affects working memory and expression of type III Nrg1 in adult mice. Brain, Behavior, and Immunity, 2009, 23, 733-741.	4.1	29
42	Association between erythrocyte sedimentation rate and IQ in Swedish males aged 18â€“20. Brain, Behavior, and Immunity, 2010, 24, 868-873.	4.1	29
43	Psychiatric comorbidity among women with endometriosis: nationwide cohort study in Sweden. American Journal of Obstetrics and Gynecology, 2020, 223, 415.e1-415.e16.	1.3	29
44	Birth seasonality and risk of autism spectrum disorder. European Journal of Epidemiology, 2019, 34, 785-792.	5.7	28
45	Association of Gestational Weight Gain and Maternal Body Mass Index in Early Pregnancy With Risk for Nonaffective Psychosis in Offspring. JAMA Psychiatry, 2017, 74, 339.	11.0	27
46	Quantitation of RNA decay in dried blood spots during 20 years of storage. Clinical Chemistry and Laboratory Medicine, 2009, 47, 1467-9.	2.3	26
47	Transcription of human endogenous retroviruses in human brain by RNA-seq analysis. PLoS ONE, 2019, 14, e0207353.	2.5	24
48	Viruses and schizophrenia, connection or coincidence?. NeuroReport, 2003, 14, 535-542.	1.2	23
49	Gene expression changes in brains of mice exposed to a maternal virus infection. NeuroReport, 2005, 16, 1111-1115.	1.2	22
50	Systemic inflammation and intelligence in early adulthood and subsequent risk of schizophrenia and other non-affective psychoses: a longitudinal cohort and co-relative study. Psychological Medicine, 2019, 49, 295-302.	4.5	22
51	A systematic evaluation of expression of HERV-W elements; influence of genomic context, viral structure and orientation. BMC Genomics, 2011, 12, 22.	2.8	21
52	Molecular Beaconâ€“Based Temperature Control and Automated Analyses for Improved Resolution of Melting Temperature Analysis Using SYBR I Green Chemistry. Clinical Chemistry, 2007, 53, 98-103.	3.2	20
53	Expression profiling of repetitive elements by melting temperature analysis: variation in HERV-W gag expression across human individuals and tissues. BMC Genomics, 2009, 10, 532.	2.8	20
54	Childhood and Parental Asthma, Future Risk of Bipolar Disorder and Schizophrenia Spectrum Disorders: A Population-Based Cohort Study. Schizophrenia Bulletin, 2019, 45, 360-368.	4.3	18

#	Article	IF	Citations
55	Assessment of the Role of IQ in Associations Between Population Density and Deprivation and Nonaffective Psychosis. JAMA Psychiatry, 2020, 77, 729.	11.0	18
56	Parental inflammatory bowel disease and autism in children. Nature Medicine, 2022, 28, 1406-1411.	30.7	18
57	Neonatal Levels of Acute Phase Proteins and Risk of Autism Spectrum Disorder. Biological Psychiatry, 2021, 89, 463-475.	1.3	17
58	Energy levels in resting and mitogen-stimulated human lymphocytes during treatment with FK506 or cyclosporin A in vitro. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 301-310.	1.0	14
59	Influenza A virus transactivates the mouse envelope gene encoding syncytin B and its regulator, glial cells missing 1. Journal of NeuroVirology, 2007, 13, 29-37.	2.1	13
60	Epidemiological Studies of Prenatal and Childhood Infection and Schizophrenia. Current Topics in Behavioral Neurosciences, 2019, 44, 35-47.	1.7	13
61	The Association of Paternal IQ With Autism Spectrum Disorders and Its Comorbidities: A Population-Based Cohort Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 410-421.	0.5	11
62	Childhood infections and autism spectrum disorders and/or intellectual disability: a register-based cohort study. Journal of Neurodevelopmental Disorders, 2022, 14, 12.	3.1	11
63	Birth month and later diagnosis of schizophrenia. A population-based cohort study in Sweden. Journal of Psychiatric Research, 2019, 116, 1-6.	3.1	10
64	Antiviral Effect of IDO in Mouse Fibroblast Cells During Influenza Virus Infection. Viral Immunology, 2017, 30, 542-544.	1.3	9
65	Application of microcalorimetry for recording basal metabolic and NA+, K+-ATPase activity in LLC-PK1 cells, a model for the renal tubular epithelial cell. Journal of Pharmacological and Toxicological Methods, 1998, 40, 137-143.	0.7	7
66	Mixture models for analysis of melting temperature data. BMC Bioinformatics, 2008, 9, 370.	2.6	6
67	First international workshop on human endogenous retroviruses and diseases, HERVs & disease 2015. Mobile DNA, 2015, 6, 20.	3.6	6
68	A calorimetric method for continuous recording of lymphocyte proliferation. Journal of Immunological Methods, 1996, 189, 197-202.	1.4	5
69	Doxycycline exposure during adolescence and future risk of non-affective psychosis and bipolar disorder: a total population cohort study. Translational Psychiatry, 2021, 11, 468.	4.8	4
70	TheETV6/RUNX1fusion transcript is not detected in RNA isolated from neonatal dried blood spots from children later diagnosed with the corresponding leukemia. Leukemia and Lymphoma, 2013, 54, 2742-2744.	1.3	3
71	Maternal Levels of Cytokines in Early Pregnancy and Risk of Autism Spectrum Disorders in Offspring. Frontiers in Public Health, 0, 10, .	2.7	3
72	Etiological Environmental Models. Handbook of Behavioral Neuroscience, 2016, 23, 193-207.	0.7	1

#	Article	IF	Citations
73	Endogenous Retroviruses and Human Neuropsychiatric Disorders. , 2008, , 65-85.		1
74	Maternal levels of acute phase proteins in early pregnancy and risk of autism spectrum disorders in offspring. Translational Psychiatry, 2022, 12, 148.	4.8	1
75	Maternal antibodies to gliadin and autism spectrum disorders in offspringâ€”A populationâ€based caseâ€“control study in Sweden. Autism Research, 2021, 14, 2002-2016.	3.8	0
76	Reply to: C-Reactive Protein in Neonates and Risk for Autism Spectrum Disorder. Biological Psychiatry, 2021, 90, e65-e66.	1.3	0
77	Maternal influenza A/WSN/33 virus infection in mice and persistence of viral RNA in the brains of exposed offspring. , 2005, , 91-95.		0