

Asta K HÃ¥berg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6705621/publications.pdf>

Version: 2024-02-01

111
papers

5,439
citations

87888

38
h-index

110387

64
g-index

120
all docs

120
docs citations

120
times ranked

9501
citing authors

#	ARTICLE	IF	CITATIONS
1	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
2	Common brain disorders are associated with heritable patterns of apparent aging of the brain. <i>Nature Neuroscience</i> , 2019, 22, 1617-1623.	14.8	358
3	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
4	Development and aging of cortical thickness correspond to genetic organization patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15462-15467.	7.1	228
5	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
6	Young adults born preterm with very low birth weight demonstrate widespread white matter alterations on brain DTI. <i>NeuroImage</i> , 2011, 54, 1774-1785.	4.2	178
7	A Specific Role of the Human Hippocampus in Recall of Temporal Sequences. <i>Journal of Neuroscience</i> , 2009, 29, 3475-3484.	3.6	163
8	Neurodevelopmental origins of lifespan changes in brain and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9357-9362.	7.1	163
9	Marked effects of intracranial volume correction methods on sex differences in neuroanatomical structures: a HUNT MRI study. <i>Frontiers in Neuroscience</i> , 2015, 9, 238.	2.8	147
10	Growth dynamics of untreated glioblastomas in vivo. <i>Neuro-Oncology</i> , 2015, 17, 1402-1411.	1.2	117
11	Traumatic Axonal Injury: The Prognostic Value of Lesion Load in Corpus Callosum, Brain Stem, and Thalamus in Different Magnetic Resonance Imaging Sequences. <i>Journal of Neurotrauma</i> , 2014, 31, 1486-1496.	3.4	102
12	The human brain representation of odor identification. <i>Journal of Neurophysiology</i> , 2012, 108, 645-657.	1.8	93
13	Joint Analysis of Cortical Area and Thickness as a Replacement for the Analysis of the Volume of the Cerebral Cortex. <i>Cerebral Cortex</i> , 2018, 28, 738-749.	2.9	92
14	Incidental Intracranial Findings and Their Clinical Impact; The HUNT MRI Study in a General Population of 1006 Participants between 50-66 Years. <i>PLoS ONE</i> , 2016, 11, e0151080.	2.5	89
15	Development of hippocampal subfield volumes from 4 to 22 years. <i>Human Brain Mapping</i> , 2014, 35, 5646-5657.	3.6	82
16	Brain scans from 21,297 individuals reveal the genetic architecture of hippocampal subfield volumes. <i>Molecular Psychiatry</i> , 2020, 25, 3053-3065.	7.9	80
17	MRI-Based Classification Models in Prediction of Mild Cognitive Impairment and Dementia in Late-Life Depression. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 13.	3.4	73
18	How Does the Accuracy of Intracranial Volume Measurements Affect Normalized Brain Volumes? Sample Size Estimates Based on 966 Subjects from the HUNT MRI Cohort. <i>American Journal of Neuroradiology</i> , 2015, 36, 1450-1456.	2.4	71

#	ARTICLE	IF	CITATIONS
19	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020, 51, 2111-2121.	2.0	71
20	Follow-up at age 10years in ELBW children – Functional outcome, brain morphology and results from motor assessments in infancy. <i>Early Human Development</i> , 2014, 90, 571-578.	1.8	70
21	The Anterior Hippocampus Supports a Coarse, Global Environmental Representation and the Posterior Hippocampus Supports Fine-grained, Local Environmental Representations. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1908-1925.	2.3	69
22	Neuroplasticity in stroke recovery. The role of microglia in engaging and modifying synapses and networks. <i>European Journal of Neuroscience</i> , 2018, 47, 1414-1428.	2.6	67
23	The brain structural and cognitive basis of odor identification deficits in mild cognitive impairment and Alzheimer's disease. <i>BMC Neurology</i> , 2014, 14, 168.	1.8	64
24	Nondirective meditation activates default mode network and areas associated with memory retrieval and emotional processing. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 86.	2.0	60
25	Prospective longitudinal MRI study of brain volumes and diffusion changes during the first year after moderate to severe traumatic brain injury. <i>NeuroImage: Clinical</i> , 2014, 5, 128-140.	2.7	60
26	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54
27	Visual – motor deficits relate to altered gray and white matter in young adults born preterm with very low birth weight. <i>NeuroImage</i> , 2015, 109, 493-504.	4.2	53
28	High-intensity knee extensor training restores skeletal muscle function in COPD patients. <i>European Respiratory Journal</i> , 2012, 40, 1130-1136.	6.7	51
29	Life after Adolescent and Adult Moderate and Severe Traumatic Brain Injury: Self-Reported Executive, Emotional, and Behavioural Function 2 – 5 Years after Injury. <i>Behavioural Neurology</i> , 2015, 2015, 1-19.	2.1	51
30	Reward responsiveness in patients with chronic pain. <i>European Journal of Pain</i> , 2015, 19, 1537-1543.	2.8	51
31	From details to large scale: The representation of environmental positions follows a granularity gradient along the human hippocampal and entorhinal anterior – posterior axis. <i>Hippocampus</i> , 2015, 25, 119-135.	1.9	50
32	Changes in spatial cognition and brain activity after a single dose of testosterone in healthy women. <i>Behavioural Brain Research</i> , 2016, 298, 78-90.	2.2	50
33	Persistent posterior and transient anterior medial temporal lobe activity during navigation. <i>NeuroImage</i> , 2010, 52, 1654-1666.	4.2	49
34	Midlife Physical Activity, Psychological Distress, and Dementia Risk: The HUNT Study. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 825-833.	2.6	49
35	White matter microstructure in chronic moderate – severe traumatic brain injury: Impact of acute – phase injury – related variables and associations with outcome measures. <i>Journal of Neuroscience Research</i> , 2015, 93, 1109-1126.	2.9	45
36	The Pentose Phosphate Pathway and Pyruvate Carboxylation after Neonatal Hypoxic-Ischemic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 724-734.	4.3	43

#	ARTICLE	IF	CITATIONS
37	Initial validation of a web-based self-administered neuropsychological test battery for older adults and seniors. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015, 37, 581-594.	1.3	43
38	The epidemiology of mild traumatic brain injury: the Trondheim MTBI follow-up study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 34.	2.6	43
39	Being born small for gestational age reduces white matter integrity in adulthood: a prospective cohort study. <i>Pediatric Research</i> , 2012, 72, 649-654.	2.3	41
40	White matter alterations and their associations with motor function in young adults born preterm with very low birth weight. <i>NeuroImage: Clinical</i> , 2018, 17, 241-250.	2.7	39
41	Moderate Traumatic Brain Injury: Clinical Characteristics and a Prognostic Model of 12-Month Outcome. <i>World Neurosurgery</i> , 2018, 114, e1199-e1210.	1.3	37
42	Incidental findings in MRI of the paranasal sinuses in adults: a population-based study (HUNT MRI). <i>BMC Ear, Nose and Throat Disorders</i> , 2014, 14, 13.	2.6	36
43	Structural brain changes after 4 wk of unilateral strength training of the lower limb. <i>Journal of Applied Physiology</i> , 2013, 115, 167-175.	2.5	35
44	Neuroanatomical correlates of late-life depression and associated cognitive changes. <i>Neurobiology of Aging</i> , 2015, 36, 3090-3099.	3.1	34
45	Exercise Intensity-Dependent Effects on Cognitive Control Function during and after Acute Treadmill Running in Young Healthy Adults. <i>Frontiers in Psychology</i> , 2017, 8, 406.	2.1	34
46	Patients with Mild Traumatic Brain Injury Recruited from Both Hospital and Primary Care Settings: A Controlled Longitudinal Magnetic Resonance Imaging Study. <i>Journal of Neurotrauma</i> , 2019, 36, 3172-3182.	3.4	34
47	Acute changes in intermediary metabolism in cerebellum and contralateral hemisphere following middle cerebral artery occlusion in rat. <i>Journal of Neurochemistry</i> , 2009, 109, 174-181.	3.9	32
48	Limited microstructural and connectivity deficits despite subcortical volume reductions in school-aged children born preterm with very low birth weight. <i>NeuroImage</i> , 2016, 130, 24-34.	4.2	32
49	Variations in the Circle of Willis in a large population sample using 3D TOF angiography: The TromsÅ, Study. <i>PLoS ONE</i> , 2020, 15, e0241373.	2.5	32
50	Altered Cognitive Control Activations after Moderate-to-Severe Traumatic Brain Injury and Their Relationship to Injury Severity and Everyday-Life Function. <i>Cerebral Cortex</i> , 2015, 25, 2170-2180.	2.9	31
51	Large-scale genomics unveil polygenic architecture of human cortical surface area. <i>Nature Communications</i> , 2015, 6, 7549.	12.8	30
52	White matter hyperintensities and headache: A population-based imaging study (HUNT MRI). <i>Cephalalgia</i> , 2018, 38, 1927-1939.	3.9	30
53	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	3.6	30
54	A longitudinal study of associations between psychiatric symptoms and disorders and cerebral gray matter volumes in adolescents born very preterm. <i>BMC Pediatrics</i> , 2017, 17, 45.	1.7	29

#	ARTICLE	IF	CITATIONS
55	Cognitive Reserve Moderates Cognitive Outcome After Mild Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2020, 101, 72-80.	0.9	29
56	Selective increase in posterior corpus callosum thickness between the age of 4 and 11 years. NeuroImage, 2016, 139, 17-25.	4.2	28
57	Brain Morphometry and Cognition in Young Adults Born Small for Gestational Age at Term. Journal of Pediatrics, 2014, 165, 921-927.e1.	1.8	27
58	Cortical trajectories during adolescence in preterm born teenagers with very low birthweight. Cortex, 2016, 75, 120-131.	2.4	27
59	Incidence of Mild Traumatic Brain Injury: A Prospective Hospital, Emergency Room and General Practitioner-Based Study. Frontiers in Neurology, 2019, 10, 638.	2.4	27
60	Diffusion kurtosis imaging in mild traumatic brain injury and postconcussional syndrome. Journal of Neuroscience Research, 2019, 97, 568-581.	2.9	27
61	Continuity and Discontinuity in Human Cortical Development and Change From Embryonic Stages to Old Age. Cerebral Cortex, 2019, 29, 3879-3890.	2.9	27
62	Personal Factors Associated With Postconcussion Symptoms 3 Months After Mild Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1102-1112.	0.9	27
63	Neuropsychological parameters indexing executive processes are associated with independent components of ERPs. Neuropsychologia, 2015, 66, 144-156.	1.6	26
64	Reduced white matter fractional anisotropy mediates cortical thickening in adults born preterm with very low birthweight. NeuroImage, 2019, 188, 217-227.	4.2	26
65	Cognitive deficits associated with impaired awareness of hypoglycaemia in type 1 diabetes. Diabetologia, 2017, 60, 971-979.	6.3	25
66	Preterm birth leads to hyper-reactive cognitive control processing and poor white matter organization in adulthood. NeuroImage, 2018, 167, 419-428.	4.2	25
67	Change in self-reported cognitive symptoms after mild traumatic brain injury is associated with changes in emotional and somatic symptoms and not changes in cognitive performance.. Neuropsychology, 2020, 34, 560-568.	1.3	25
68	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	4.8	24
69	The Functional Topography and Temporal Dynamics of Overlapping and Distinct Brain Activations for Adaptive Task Control and Stable Task-set Maintenance during Performance of an fMRI-adapted Clinical Continuous Performance Test. Journal of Cognitive Neuroscience, 2013, 25, 903-919.	2.3	23
70	A Longitudinal Magnetic Resonance Imaging Study of the Apparent Diffusion Coefficient Values in Corpus Callosum during the First Year after Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 56-63.	3.4	23
71	Traumatic axonal injury: Relationships between lesions in the early phase and diffusion tensor imaging parameters in the chronic phase of traumatic brain injury. Journal of Neuroscience Research, 2016, 94, 623-635.	2.9	21
72	Executive function relates to surface area of frontal and temporal cortex in very-low-birth-weight late teenagers. Early Human Development, 2016, 95, 47-53.	1.8	20

#	ARTICLE	IF	CITATIONS
73	The effect of white matter hyperintensities on regional brain volumes and white matter microstructure, a population-based study in HUNT. <i>NeuroImage</i> , 2019, 203, 116158.	4.2	20
74	Mental health and cerebellar volume during adolescence in very-low-birth-weight infants: a longitudinal study. <i>Child and Adolescent Psychiatry and Mental Health</i> , 2016, 10, 6.	2.5	19
75	Hippocampal involvement in retrieval of odor vs. object memories. <i>Hippocampus</i> , 2013, 23, 122-128.	1.9	18
76	Acute Diffusion Tensor and Kurtosis Imaging and Outcome following Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2560-2571.	3.4	18
77	Effect of 5 Years of Exercise Intervention at Different Intensities on Brain Structure in Older Adults from the General Population: A Generation 100 Substudy. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 1485-1501.	2.9	17
78	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 526-554.	2.1	16
79	Brain activation measured using functional magnetic resonance imaging during the Tower of London task. <i>Acta Neuropsychiatrica</i> , 2006, 18, 216-225.	2.1	15
80	Perimenopausal hormone therapy is associated with regional sparing of the CA1 subfield: a HUNT MRI study. <i>Neurobiology of Aging</i> , 2015, 36, 2555-2562.	3.1	15
81	Outcome Uncertainty and Brain Activity Aberrance in the Insula and Anterior Cingulate Cortex Are Associated with Dysfunctional Impulsivity in Borderline Personality Disorder. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 207.	2.0	15
82	The Human Brain Representation of Odor Identification in Amnesic Mild Cognitive Impairment and Alzheimer's Dementia of Mild Degree. <i>Frontiers in Neurology</i> , 2020, 11, 607566.	2.4	15
83	Conservation of Distinct Genetically-Mediated Human Cortical Pattern. <i>PLoS Genetics</i> , 2016, 12, e1006143.	3.5	15
84	Perivascular spaces and headache: A population-based imaging study (HUNT-MRI). <i>Cephalalgia</i> , 2016, 36, 232-239.	3.9	14
85	Effects of Neural Stem Cell and Olfactory Ensheathing Cell Co-transplants on Tissue Remodelling After Transient Focal Cerebral Ischemia in the Adult Rat. <i>Neurochemical Research</i> , 2017, 42, 1599-1609.	3.3	14
86	Associations of Changes in Cardiorespiratory Fitness and Symptoms of Anxiety and Depression With Brain Volumes: The HUNT Study. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 53.	2.0	13
87	Cerebral cortical dimensions in headache sufferers aged 50 to 66 years: a population-based imaging study in the Nord-Trøndelag Health Study (HUNT-MRI). <i>Pain</i> , 2019, 160, 1634-1643.	4.2	13
88	Diffusion tensor imaging in middle-aged headache sufferers in the general population: a cross-sectional population-based imaging study in the Nord-Trøndelag health study (HUNT-MRI). <i>Journal of Headache and Pain</i> , 2019, 20, 78.	6.0	12
89	Normative data for pituitary size and volume in the general population between 50 and 66 years. <i>Pituitary</i> , 2021, 24, 737-745.	2.9	12
90	Loss or Mislocalization of Aquaporin-4 Affects Diffusion Properties and Intermediary Metabolism in Gray Matter of Mice. <i>Neurochemical Research</i> , 2017, 42, 77-91.	3.3	11

#	ARTICLE	IF	CITATIONS
91	5 Years of Exercise Intervention Did Not Benefit Cognition Compared to the Physical Activity Guidelines in Older Adults, but Higher Cardiorespiratory Fitness Did. A Generation 100 Substudy. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 742587.	3.4	11
92	Effects of 5 Years Aerobic Exercise on Cognition in Older Adults: The Generation 100 Study: A Randomized Controlled Trial. <i>Sports Medicine</i> , 2022, 52, 1689-1699.	6.5	11
93	Longitudinal study of the effect of a 5-year exercise intervention on structural brain complexity in older adults. A Generation 100 substudy. <i>NeuroImage</i> , 2022, 256, 119226.	4.2	10
94	Mapping the primary motor cortex in healthy subjects and patients with peri-rolandic brain lesions before neurosurgery. <i>Neurological Research</i> , 2008, 30, 968-973.	1.3	9
95	Cognitive control deficits in adolescents born with very low birth weight (≤ 1500g): Evidence from dichotic listening. <i>Scandinavian Journal of Psychology</i> , 2013, 54, 179-187.	1.5	9
96	Patients with chronic pain lack somatic markers during decision-making. <i>Journal of Pain Research</i> , 2014, 7, 425.	2.0	8
97	Evidence for an antagonistic interaction between reward and punishment sensitivity on striatal activity: A verification of the Joint Subsystems Hypothesis. <i>Personality and Individual Differences</i> , 2015, 74, 214-219.	2.9	7
98	Association of cause of injury and traumatic axonal injury: a clinical MRI study of moderate and severe traumatic brain injury. <i>Journal of Neurosurgery</i> , 2020, 133, 1559-1567.	1.6	7
99	A particular effect of sleep, but not pain or depression, on the blood-oxygen-level dependent response during working memory tasks in patients with chronic pain. <i>Journal of Pain Research</i> , 2015, 8, 335.	2.0	6
100	The relevance of the irrelevant: Attention and task-set adaptation in prematurely born adults. <i>Clinical Neurophysiology</i> , 2016, 127, 3225-3233.	1.5	6
101	Williams Syndrome neuroanatomical score associates with GTF2IRD1 in large-scale magnetic resonance imaging cohorts: a proof of concept for multivariate endophenotypes. <i>Translational Psychiatry</i> , 2018, 8, 114.	4.8	6
102	Examining the Subacute Effects of Mild Traumatic Brain Injury Using a Traditional and Computerized Neuropsychological Test Battery. <i>Journal of Neurotrauma</i> , 2021, 38, 74-85.	3.4	6
103	An incomplete Circle of Willis is not a risk factor for white matter hyperintensities: The Tromsø Study. <i>Journal of the Neurological Sciences</i> , 2021, 420, 117268.	0.6	5
104	Five years of exercise intervention at different intensities and development of white matter hyperintensities in community dwelling older adults, a Generation 100 sub-study. <i>Aging</i> , 2022, 14, 596-622.	3.1	5
105	Effect of Task-Related Physiological Fluctuations and Motion in 2D and 3D Echo-Planar Imaging in a Higher Cognitive Level fMRI Paradigm. <i>Frontiers in Neuroscience</i> , 2016, 10, 225.	2.8	4
106	Does risk of brain cancer increase with intracranial volume? A population-based case control study. <i>Neuro-Oncology</i> , 2018, 20, 1225-1230.	1.2	3
107	Normative Data for Brainstem Structures, the Midbrain-to-Pons Ratio, and the Magnetic Resonance Parkinsonism Index. <i>American Journal of Neuroradiology</i> , 2022, 43, 707-714.	2.4	3
108	Three-dimensional functional MRI with parallel acceleration: Balanced SSFP versus PRESTO. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 656-664.	3.4	2

#	ARTICLE	IF	CITATIONS
109	Poor Response Inhibition and Symptoms of Inattentiveness Are Core Characteristics of Lifetime Illicit Substance Use among Young Adults in the General Norwegian Population: The HUNT Study. Substance Use and Misuse, 2022, 57, 1462-1469.	1.4	1
110	Authors'™ reply to the comment by Dalton. European Journal of Pain, 2017, 21, 950-951.	2.8	0
111	O2â€05â€05: MODERATEâ€Oâ€VIGOROUS PHYSICAL ACTIVITY, PSYCHOLOGICAL DISTRESS, AND DEMENTIA: THE HUNT STUDY AND THE HEALTH AND MEMORY STUDY IN NORDâ€TRÃNDELAG. Alzheimer's and Dementia, 2018, 14, P628.	0.8	0