

Asta K HÃ¥berg

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	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. <i>Substance Use and Misuse</i> , 2022, 57, 1462-1469.	1.4	1
7	Personal Factors Associated With Postconcussion Symptoms 3 Months After Mild Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 1102-1112.	0.9	27
8	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
9	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
10	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
11	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24
12	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
13	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
14	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
15	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
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	Cognitive Reserve Moderates Cognitive Outcome After Mild Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 72-80.	0.9	29
18	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

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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	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
21	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
22	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.. <i>Neuropsychology</i> , 2020, 34, 560-568.	1.3	25
23	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
24	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
25	Diffusion tensor imaging in middle-aged headache sufferers in the general population: a cross-sectional population-based imaging study in the Nord-TrÅ,ndelag health study (HUNT-MRI). <i>Journal of Headache and Pain</i> , 2019, 20, 78.	6.0	12
26	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
27	Incidence of Mild Traumatic Brain Injury: A Prospective Hospital, Emergency Room and General Practitioner-Based Study. <i>Frontiers in Neurology</i> , 2019, 10, 638.	2.4	27
28	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
29	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
30	Diffusion kurtosis imaging in mild traumatic brain injury and postconcussional syndrome. <i>Journal of Neuroscience Research</i> , 2019, 97, 568-581.	2.9	27
31	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
32	Cerebral cortical dimensions in headache sufferers aged 50 to 66 years: a population-based imaging study in the Nord-TrÅ,ndelag Health Study (HUNT-MRI). <i>Pain</i> , 2019, 160, 1634-1643.	4.2	13
33	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
34	Reduced white matter fractional anisotropy mediates cortical thickening in adults born preterm with very low birthweight. <i>NeuroImage</i> , 2019, 188, 217-227.	4.2	26
35	Continuity and Discontinuity in Human Cortical Development and Change From Embryonic Stages to Old Age. <i>Cerebral Cortex</i> , 2019, 29, 3879-3890.	2.9	27
36	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

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37	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
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	White matter hyperintensities and headache: A population-based imaging study (HUNT MRI). <i>Cephalalgia</i> , 2018, 38, 1927-1939.	3.9	30
40	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
41	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
42	Preterm birth leads to hyper-reactive cognitive control processing and poor white matter organization in adulthood. <i>NeuroImage</i> , 2018, 167, 419-428.	4.2	25
43	O2â€05â€05: MODERATEâ€0â€0VIGOROUS PHYSICAL ACTIVITY, PSYCHOLOGICAL DISTRESS, AND DEMENTIA: THE HUNT STUDY AND THE HEALTH AND MEMORY STUDY IN NORDâ€RÅ~NDELAGE. <i>Alzheimer's and Dementia</i> , 2018, 14, P628.	0.8	0
44	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
45	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
46	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
47	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
48	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
49	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
50	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
51	Authorsâ€™ reply to the comment by Dalton. <i>European Journal of Pain</i> , 2017, 21, 950-951.	2.8	0
52	Cognitive deficits associated with impaired awareness of hypoglycaemia in type 1 diabetes. <i>Diabetologia</i> , 2017, 60, 971-979.	6.3	25
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Traumatic axonal injury: Relationships between lesions in the early phase and diffusion tensor imaging parameters in the chronic phase of traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2016, 94, 623-635.	2.9	21
62	Selective increase in posterior corpus callosum thickness between the age of 4 and 11 years. <i>NeuroImage</i> , 2016, 139, 17-25.	4.2	28
63	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
64	Executive function relates to surface area of frontal and temporal cortex in very-low-birth-weight late teenagers. <i>Early Human Development</i> , 2016, 95, 47-53.	1.8	20
65	Cortical trajectories during adolescence in preterm born teenagers with very low birthweight. <i>Cortex</i> , 2016, 75, 120-131.	2.4	27
66	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
67	Perivascular spaces and headache: A population-based imaging study (HUNT-MRI). <i>Cephalalgia</i> , 2016, 36, 232-239.	3.9	14
68	Conservation of Distinct Genetically-Mediated Human Cortical Pattern. <i>PLoS Genetics</i> , 2016, 12, e1006143.	3.5	15
69	White matter microstructure in chronic moderate-to-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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Large-scale genomics unveil polygenic architecture of human cortical surface area. <i>Nature Communications</i> , 2015, 6, 7549.	12.8	30
78	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
79	Visualâ€“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
80	Neuropsychological parameters indexing executive processes are associated with independent components of ERPs. <i>Neuropsychologia</i> , 2015, 66, 144-156.	1.6	26
81	Growth dynamics of untreated glioblastomas in vivo. <i>Neuro-Oncology</i> , 2015, 17, 1402-1411.	1.2	117
82	Reward responsiveness in patients with chronic pain. <i>European Journal of Pain</i> , 2015, 19, 1537-1543.	2.8	51
83	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
84	Neuroanatomical correlates of late-life depression and associated cognitive changes. <i>Neurobiology of Aging</i> , 2015, 36, 3090-3099.	3.1	34
85	From details to large scale: The representation of environmental positions follows a granularity gradient along the human hippocampal and entorhinal anteriorâ€“posterior axis. <i>Hippocampus</i> , 2015, 25, 119-135.	1.9	50
86	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
87	Patients with chronic pain lack somatic markers during decision-making. <i>Journal of Pain Research</i> , 2014, 7, 425.	2.0	8
88	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
89	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
90	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

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91	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
92	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
93	A Longitudinal Magnetic Resonance Imaging Study of the Apparent Diffusion Coefficient Values in Corpus Callosum during the First Year after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2014, 31, 56-63.	3.4	23
94	Brain Morphometry and Cognition in Young Adults Born Small for Gestational Age at Term. <i>Journal of Pediatrics</i> , 2014, 165, 921-927.e1.	1.8	27
95	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
96	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
97	Development of hippocampal subfield volumes from 4 to 22 years. <i>Human Brain Mapping</i> , 2014, 35, 5646-5657.	3.6	82
98	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
99	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
100	Hippocampal involvement in retrieval of odor vs. object memories. <i>Hippocampus</i> , 2013, 23, 122-128.	1.9	18
101	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. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 903-919.	2.3	23
102	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
103	The human brain representation of odor identification. <i>Journal of Neurophysiology</i> , 2012, 108, 645-657.	1.8	93
104	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
105	High-intensity knee extensor training restores skeletal muscle function in COPD patients. <i>European Respiratory Journal</i> , 2012, 40, 1130-1136.	6.7	51
106	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
107	Persistent posterior and transient anterior medial temporal lobe activity during navigation. <i>NeuroImage</i> , 2010, 52, 1654-1666.	4.2	49
108	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

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109	A Specific Role of the Human Hippocampus in Recall of Temporal Sequences. <i>Journal of Neuroscience</i> , 2009, 29, 3475-3484.	3.6	163
110	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
111	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