Hakon Grydeland

List of Publications by Year
in descending order

50 papers	4,710 citations	172457 29 h-index	189892 50 g-index
58 all docs	58 docs citations	58 times ranked	7545 citing authors

#	Article	IF	Citations
1	Life-Span Changes of the Human Brain White Matter: Diffusion Tensor Imaging (DTI) and Volumetry. Cerebral Cortex, 2010, 20, 2055-2068.	2.9	664
2	Critical ages in the life course of the adult brain: nonlinear subcortical aging. Neurobiology of Aging, 2013, 34, 2239-2247.	3.1	319
3	Accelerating Cortical Thinning: Unique to Dementia or Universal in Aging?. Cerebral Cortex, 2014, 24, 919-934.	2.9	250
4	Intracortical Myelin Links with Performance Variability across the Human Lifespan: Results from T1- and T2-Weighted MRI Myelin Mapping and Diffusion Tensor Imaging. Journal of Neuroscience, 2013, 33, 18618-18630.	3.6	247
5	Brain development and aging: Overlapping and unique patterns of change. NeuroImage, 2013, 68, 63-74.	4.2	240
6	Development and aging of cortical thickness correspond to genetic organization patterns. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15462-15467.	7.1	228
7	Neuronal correlates of the five factor model (FFM) of human personality: Multimodal imaging in a large healthy sample. NeuroImage, 2013, 65, 194-208.	4.2	197
8	Neurodevelopmental origins of lifespan changes in brain and cognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9357-9362.	7.1	163
9	Changes in white matter microstructure in the developing brainâ€"A longitudinal diffusion tensor imaging study of children from 4 to 11 years of age. NeuroImage, 2016, 124, 473-486.	4.2	160
10	Differentiating maturational and aging-related changes of the cerebral cortex by use of thickness and signal intensity. NeuroImage, 2010, 52, 172-185.	4.2	155
11	Organizing Principles of Human Cortical Developmentâ€"Thickness and Area from 4 to 30 Years: Insights from Comparative Primate Neuroanatomy. Cerebral Cortex, 2016, 26, 257-267.	2.9	148
12	Associations between Regional Cortical Thickness and Attentional Networks as Measured by the Attention Network Test. Cerebral Cortex, 2011, 21, 345-356.	2.9	140
13	The Disconnected Brain and Executive Function Decline in Aging. Cerebral Cortex, 2017, 27, bhw082.	2.9	130
14	Longitudinal Working Memory Development Is Related to Structural Maturation of Frontal and Parietal Cortices. Journal of Cognitive Neuroscience, 2013, 25, 1611-1623.	2.3	120
15	Brain Events Underlying Episodic Memory Changes in Aging: A Longitudinal Investigation of Structural and Functional Connectivity. Cerebral Cortex, 2016, 26, 1272-1286.	2.9	114
16	Linking an Anxiety-Related Personality Trait to Brain White Matter Microstructure. Archives of General Psychiatry, 2011, 68, 369.	12.3	113
17	High-Expanding Cortical Regions in Human Development and Evolution Are Related to Higher Intellectual Abilities. Cerebral Cortex, 2015, 25, 26-34.	2.9	104
18	Mental time travel and default-mode network functional connectivity in the developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16800-16804.	7.1	102

#	Article	IF	Citations
19	Waves of Maturation and Senescence in Micro-structural MRI Markers of Human Cortical Myelination over the Lifespan. Cerebral Cortex, 2019, 29, 1369-1381.	2.9	91
20	Development of hippocampal subfield volumes from 4 to 22 years. Human Brain Mapping, 2014, 35, 5646-5657.	3.6	82
21	Relationship between structural and functional connectivity change across the adult lifespan: A longitudinal investigation. Human Brain Mapping, 2017, 38, 561-573.	3.6	82
22	Cellular correlates of cortical thinning throughout the lifespan. Scientific Reports, 2020, 10, 21803.	3.3	80
23	Regional Hippocampal Volumes and Development Predict Learning and Memory. Developmental Neuroscience, 2014, 36, 161-174.	2.0	67
24	Functional connectivity change across multiple cortical networks relates to episodic memory changes in aging. Neurobiology of Aging, 2015, 36, 3255-3268.	3.1	64
25	White matter integrity as a marker for cognitive plasticity in aging. Neurobiology of Aging, 2016, 47, 74-82.	3.1	56
26	Trajectories and Milestones of Cortical and Subcortical Development of the Marmoset Brain From Infancy to Adulthood. Cerebral Cortex, 2018, 28, 4440-4453.	2.9	48
27	Development of white matter microstructure in relation to verbal and visuospatial working memoryâ€"A longitudinal study. PLoS ONE, 2018, 13, e0195540.	2.5	48
28	Intracortical Posterior Cingulate Myelin Content Relates to Error Processing: Results from<i>T</i>₁- and<i>T</i>₂-Weighted MRI Myelin Mapping and Electrophysiology in Healthy Adults. Cerebral Cortex, 2016, 26, 2402-2410.	2.9	44
29	The effects of memory training on behavioral and microstructural plasticity in young and older adults. Human Brain Mapping, 2017, 38, 5666-5680.	3.6	43
30	Mechanisms Underlying Encoding of Short-Lived Versus Durable Episodic Memories. Journal of Neuroscience, 2015, 35, 5202-5212.	3.6	42
31	Accelerated longitudinal gray/white matter contrast decline in aging in lightly myelinated cortical regions. Human Brain Mapping, 2016, 37, 3669-3684.	3.6	40
32	Social Reward Dependence and Brain White Matter Microstructure. Cerebral Cortex, 2012, 22, 2672-2679.	2.9	30
33	Effects of change in FreeSurfer version on classification accuracy of patients with Alzheimer's disease and mild cognitive impairment. Human Brain Mapping, 2016, 37, 1831-1841.	3.6	30
34	Personality Traits Are Associated With Cortical Development Across Adolescence: A Longitudinal Structural MRI Study. Child Development, 2018, 89, 811-822.	3.0	28
35	Continuity and Discontinuity in Human Cortical Development and Change From Embryonic Stages to Old Age. Cerebral Cortex, 2019, 29, 3879-3890.	2.9	27
36	Diffusion tensor imaging and behavior in premature infants at 8 years of age, a randomized controlled trial with long-chain polyunsaturated fatty acids. Early Human Development, 2016, 95, 41-46.	1.8	24

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37	Exploring the relationship between white matter microstructure and working memory functioning following stroke: A single case study of computerized cognitive training. Neurocase, 2012, 18, 139-151.	0.6	22
38	High-Expanding Regions in Primate Cortical Brain Evolution Support Supramodal Cognitive Flexibility. Cerebral Cortex, 2019, 29, 3891-3901.	2.9	20
39	Improved prediction of Alzheimer's disease with longitudinal white matter/gray matter contrast changes. Human Brain Mapping, 2013, 34, 2775-2785.	3.6	19
40	Prosocial behavior relates to the rate and timing of cortical thinning from adolescence to young adulthood. Developmental Cognitive Neuroscience, 2019, 40, 100734.	4.0	17
41	Amnesia Following Herpes Simplex Encephalitis: Diffusion-Tensor Imaging Uncovers Reduced Integrity of Normal-appearing White Matter. Radiology, 2010, 257, 774-781.	7.3	16
42	The Roots of Alzheimer's Disease: Are High-Expanding Cortical Areas Preferentially Targeted?. Cerebral Cortex, 2015, 25, 2556-2565.	2.9	16
43	Premises of plasticity â€" And the loneliness of the medial temporal lobe. NeuroImage, 2016, 131, 48-54.	4.2	16
44	Decoupling of large-scale brain networks supports the consolidation of durable episodic memories. NeuroImage, 2017, 153, 336-345.	4.2	16
45	Associations of circulating C-reactive proteins, APOE Îµ4, and brain markers for Alzheimerâ€™s disease in healthy samples across the lifespan. Brain, Behavior, and Immunity, 2022, 100, 243-253.	4.1	12
46	Cognitive reappraisal and expressive suppression relate differentially to longitudinal structural brain development across adolescence. Cortex, 2021, 136, 109-123.	2.4	11
47	The genetic organization of longitudinal subcortical volumetric change is stable throughout the lifespan. ELife, 2021, 10, .	6.0	7
48	Self-reported sleep relates to microstructural hippocampal decline in ÃŸ-amyloid positive Adults beyond genetic risk. Sleep, 2021, 44, .	1.1	5
49	The Functional Foundations of Episodic Memory Remain Stable Throughout the Lifespan. Cerebral Cortex, 2021, 31, 2098-2110.	2.9	3
50	Evidence for widespread alterations in cortical microstructure after 32â€‰h of sleep deprivation. Translational Psychiatry, 2022, 12, 161.	4.8	1