

Anders M Dale

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

519 papers	90,400 citations	132 h-index	296 g-index
574 ext. papers	108,218 ext. citations	7.9 avg, IF	7.76 L-index

#	Paper	IF	Citations
519	Cortical surface-based analysis. I. Segmentation and surface reconstruction. <i>NeuroImage</i> , 1999 , 9, 179-94	7.9	6929
518	An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. <i>NeuroImage</i> , 2006 , 31, 968-80	7.9	6799
517	Whole brain segmentation: automated labeling of neuroanatomical structures in the human brain. <i>Neuron</i> , 2002 , 33, 341-55	13.9	5627
516	Cortical surface-based analysis. II: Inflation, flattening, and a surface-based coordinate system. <i>NeuroImage</i> , 1999 , 9, 195-207	7.9	4530
515	Measuring the thickness of the human cerebral cortex from magnetic resonance images. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11050-5	11.5	4038
514	High-resolution intersubject averaging and a coordinate system for the cortical surface. <i>Human Brain Mapping</i> , 1999 , 8, 272-84	5.9	2212
513	Borders of multiple visual areas in humans revealed by functional magnetic resonance imaging. <i>Science</i> , 1995 , 268, 889-93	33.3	2068
512	The Alzheimer's Disease Neuroimaging Initiative (ADNI): MRI methods. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 685-91	5.6	1797
511	A hybrid approach to the skull stripping problem in MRI. <i>NeuroImage</i> , 2004 , 22, 1060-75	7.9	1540
510	Improved Localization of Cortical Activity by Combining EEG and MEG with MRI Cortical Surface Reconstruction: A Linear Approach. <i>Journal of Cognitive Neuroscience</i> , 1993 , 5, 162-76	3.1	1539
509	Sequence-independent segmentation of magnetic resonance images. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S69-84	7.9	1507
508	Automated manifold surgery: constructing geometrically accurate and topologically correct models of the human cerebral cortex. <i>IEEE Transactions on Medical Imaging</i> , 2001 , 20, 70-80	11.7	1250
507	Dynamic statistical parametric mapping: combining fMRI and MEG for high-resolution imaging of cortical activity. <i>Neuron</i> , 2000 , 26, 55-67	13.9	1228
506	Building memories: remembering and forgetting of verbal experiences as predicted by brain activity. <i>Science</i> , 1998 , 281, 1188-91	33.3	1186
505	Top-down facilitation of visual recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 449-54	11.5	1156
504	Dorsal anterior cingulate cortex: a role in reward-based decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 523-8	11.5	854
503	Selective averaging of rapidly presented individual trials using fMRI. <i>Human Brain Mapping</i> , 1997 , 5, 329-40	4.0	719

502	Family income, parental education and brain structure in children and adolescents. <i>Nature Neuroscience</i> , 2015 , 18, 773-8	25.5	686
501	Functional analysis of V3A and related areas in human visual cortex. <i>Journal of Neuroscience</i> , 1997 , 17, 7060-78	6.6	667
500	Genome-wide association study identifies 30 loci associated with bipolar disorder. <i>Nature Genetics</i> , 2019 , 51, 793-803	36.3	662
499	Age-related alterations in white matter microstructure measured by diffusion tensor imaging. <i>Neurobiology of Aging</i> , 2005 , 26, 1215-27	5.6	634
498	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015 , 520, 224-9	50.4	601
497	The retinotopy of visual spatial attention. <i>Neuron</i> , 1998 , 21, 1409-22	13.9	560
496	Visual motion aftereffect in human cortical area MT revealed by functional magnetic resonance imaging. <i>Nature</i> , 1995 , 375, 139-41	50.4	558
495	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. <i>Developmental Cognitive Neuroscience</i> , 2018 , 32, 43-54	5.5	557
494	Functional MRI reveals spatially specific attentional modulation in human primary visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 1663-8	11.5	546
493	Subcortical brain volume abnormalities in 2028 individuals with schizophrenia and 2540 healthy controls via the ENIGMA consortium. <i>Molecular Psychiatry</i> , 2016 , 21, 547-53	15.1	525
492	Functional-anatomic correlates of object priming in humans revealed by rapid presentation event-related fMRI. <i>Neuron</i> , 1998 , 20, 285-96	13.9	517
491	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
490	Stochastic designs in event-related fMRI. <i>NeuroImage</i> , 1999 , 10, 607-19	7.9	492
489	Effects of age on volumes of cortex, white matter and subcortical structures. <i>Neurobiology of Aging</i> , 2005 , 26, 1261-70; discussion 1275-8	5.6	477
488	Randomized event-related experimental designs allow for extremely rapid presentation rates using functional MRI. <i>NeuroReport</i> , 1998 , 9, 3735-9	1.7	439
487	Retinotopy and color sensitivity in human visual cortical area V8. <i>Nature Neuroscience</i> , 1998 , 1, 235-41	25.5	420
486	One-year brain atrophy evident in healthy aging. <i>Journal of Neuroscience</i> , 2009 , 29, 15223-31	6.6	418
485	Medial temporal lobe function and structure in mild cognitive impairment. <i>Annals of Neurology</i> , 2004 , 56, 27-35	9.4	418

484	What is normal in normal aging? Effects of aging, amyloid and Alzheimer's disease on the cerebral cortex and the hippocampus. <i>Progress in Neurobiology</i> , 2014 , 117, 20-40	10.9	412
483	Analysis of five chronic inflammatory diseases identifies 27 new associations and highlights disease-specific patterns at shared loci. <i>Nature Genetics</i> , 2016 , 48, 510-8	36.3	404
482	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. <i>Cell</i> , 2019 , 179, 1469-1482.e11	56.2	402
481	Event-related functional MRI: past, present, and future. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 773-80	11.5	397
480	Cortical mechanisms specific to explicit visual object recognition. <i>Neuron</i> , 2001 , 29, 529-35	13.9	390
479	The representation of illusory and real contours in human cortical visual areas revealed by functional magnetic resonance imaging. <i>Journal of Neuroscience</i> , 1999 , 19, 8560-72	6.6	364
478	Spatiotemporal dynamics of modality-specific and supramodal word processing. <i>Neuron</i> , 2003 , 38, 487-97	13.9	363
477	Consistent neuroanatomical age-related volume differences across multiple samples. <i>Neurobiology of Aging</i> , 2011 , 32, 916-32	5.6	356
476	Functional analysis of primary visual cortex (V1) in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 811-7	11.5	347
475	Cortical abnormalities in bipolar disorder: an MRI analysis of 6503 individuals from the ENIGMA Bipolar Disorder Working Group. <i>Molecular Psychiatry</i> , 2018 , 23, 932-942	15.1	340
474	Human posterior auditory cortex gates novel sounds to consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6809-14	11.5	336
473	Cortical thickness and subcortical volumes in schizophrenia and bipolar disorder. <i>Biological Psychiatry</i> , 2010 , 68, 41-50	7.9	332
472	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018 , 84, 644-654	7.9	325
471	N400-like magnetoencephalography responses modulated by semantic context, word frequency, and lexical class in sentences. <i>NeuroImage</i> , 2002 , 17, 1101-16	7.9	319
470	Conductivity tensor mapping of the human brain using diffusion tensor MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 11697-701	11.5	318
469	Coupling of total hemoglobin concentration, oxygenation, and neural activity in rat somatosensory cortex. <i>Neuron</i> , 2003 , 39, 353-9	13.9	310
468	Clinical findings and white matter abnormalities seen on diffusion tensor imaging in adolescents with very low birth weight. <i>Brain</i> , 2007 , 130, 654-66	11.2	308
467	Late onset of anterior prefrontal activity during true and false recognition: an event-related fMRI study. <i>NeuroImage</i> , 1997 , 6, 259-69	7.9	307

466	Suppressed neuronal activity and concurrent arteriolar vasoconstriction may explain negative blood oxygenation level-dependent signal. <i>Journal of Neuroscience</i> , 2007 , 27, 4452-9	6.6	307
465	Efficient correction of inhomogeneous static magnetic field-induced distortion in Echo Planar Imaging. <i>NeuroImage</i> , 2010 , 50, 175-83	7.9	305
464	Spatiotemporal imaging of human brain activity using functional MRI constrained magnetoencephalography data: Monte Carlo simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8945-50	11.5	304
463	Spatiotemporal mapping of brain activity by integration of multiple imaging modalities. <i>Current Opinion in Neurobiology</i> , 2001 , 11, 202-8	7.6	298
462	Improved detection of common variants associated with schizophrenia by leveraging pleiotropy with cardiovascular-disease risk factors. <i>American Journal of Human Genetics</i> , 2013 , 92, 197-209	11	293
461	Subcortical volumetric abnormalities in bipolar disorder. <i>Molecular Psychiatry</i> , 2016 , 21, 1710-1716	15.1	283
460	New images from human visual cortex. <i>Trends in Neurosciences</i> , 1996 , 19, 481-9	13.3	283
459	Monte Carlo simulation studies of EEG and MEG localization accuracy. <i>Human Brain Mapping</i> , 2002 , 16, 47-62	5.9	282
458	Heritability of brain ventricle volume: converging evidence from inconsistent results. <i>Neurobiology of Aging</i> , 2012 , 33, 1-8	5.6	273
457	Simultaneous imaging of total cerebral hemoglobin concentration, oxygenation, and blood flow during functional activation. <i>Optics Letters</i> , 2003 , 28, 28-30	3	270
456	Dense genotyping of immune-related disease regions identifies nine new risk loci for primary sclerosing cholangitis. <i>Nature Genetics</i> , 2013 , 45, 670-5	36.3	267
455	Stereopsis activates V3A and caudal intraparietal areas in macaques and humans. <i>Neuron</i> , 2003 , 39, 555-68	6.9	267
454	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018 , 9, 2098	17.4	254
453	Neuroanatomical assessment of biological maturity. <i>Current Biology</i> , 2012 , 22, 1693-8	6.3	253
452	Location of human face-selective cortex with respect to retinotopic areas. <i>Human Brain Mapping</i> , 1999 , 7, 29-37	5.9	253
451	Alzheimer disease: quantitative structural neuroimaging for detection and prediction of clinical and structural changes in mild cognitive impairment. <i>Radiology</i> , 2009 , 251, 195-205	20.5	252
450	Genome-wide analyses for personality traits identify six genomic loci and show correlations with psychiatric disorders. <i>Nature Genetics</i> , 2017 , 49, 152-156	36.3	251
449	Critical ages in the life course of the adult brain: nonlinear subcortical aging. <i>Neurobiology of Aging</i> , 2013 , 34, 2239-47	5.6	240

448	Tonotopic organization in human auditory cortex revealed by progressions of frequency sensitivity. <i>Journal of Neurophysiology</i> , 2004 , 91, 1282-96	3.2	237
447	Distributed current estimates using cortical orientation constraints. <i>Human Brain Mapping</i> , 2006 , 27, 1-13	5.9	236
446	Depth-resolved optical imaging and microscopy of vascular compartment dynamics during somatosensory stimulation. <i>NeuroImage</i> , 2007 , 35, 89-104	7.9	232
445	Spatial extent of oxygen metabolism and hemodynamic changes during functional activation of the rat somatosensory cortex. <i>NeuroImage</i> , 2005 , 27, 279-90	7.9	232
444	Current-source density estimation based on inversion of electrostatic forward solution: effects of finite extent of neuronal activity and conductivity discontinuities. <i>Journal of Neuroscience Methods</i> , 2006 , 154, 116-33	3	225
443	Combining MR imaging, positron-emission tomography, and CSF biomarkers in the diagnosis and prognosis of Alzheimer disease. <i>American Journal of Neuroradiology</i> , 2010 , 31, 347-54	4.4	224
442	Age-related changes in prefrontal white matter measured by diffusion tensor imaging. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1064, 37-49	6.5	224
441	Cortical volume, surface area, and thickness in schizophrenia and bipolar disorder. <i>Biological Psychiatry</i> , 2012 , 71, 552-60	7.9	223
440	Functional-anatomic study of episodic retrieval. II. Selective averaging of event-related fMRI trials to test the retrieval success hypothesis. <i>NeuroImage</i> , 1998 , 7, 163-75	7.9	221
439	Cortical depth-specific microvascular dilation underlies laminar differences in blood oxygenation level-dependent functional MRI signal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15246-51	11.5	219
438	Hierarchical genetic organization of human cortical surface area. <i>Science</i> , 2012 , 335, 1634-6	33.3	214
437	Repeated fMRI using iron oxide contrast agent in awake, behaving macaques at 3 Tesla. <i>NeuroImage</i> , 2002 , 16, 283-94	7.9	212
436	Genetic assessment of age-associated Alzheimer disease risk: Development and validation of a polygenic hazard score. <i>PLoS Medicine</i> , 2017 , 14, e1002258	11.6	209
435	All SNPs are not created equal: genome-wide association studies reveal a consistent pattern of enrichment among functionally annotated SNPs. <i>PLoS Genetics</i> , 2013 , 9, e1003449	6	209
434	The representation of the ipsilateral visual field in human cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 818-24	11.5	209
433	Spatiotemporal activity of a cortical network for processing visual motion revealed by MEG and fMRI. <i>Journal of Neurophysiology</i> , 1999 , 82, 2545-55	3.2	203
432	Distinct patterns of neural modulation during the processing of conceptual and syntactic anomalies. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 272-93	3.1	201
431	Improved detection of common variants associated with schizophrenia and bipolar disorder using pleiotropy-informed conditional false discovery rate. <i>PLoS Genetics</i> , 2013 , 9, e1003455	6	192

430	Coupling of the cortical hemodynamic response to cortical and thalamic neuronal activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3822-7	11.5	190
429	Estimation and detection of event-related fMRI signals with temporally correlated noise: a statistically efficient and unbiased approach. <i>Human Brain Mapping</i> , 2000 , 11, 249-60	5.9	190
428	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019 , 202, 116091	7.9	184
427	Longitudinal stability of MRI for mapping brain change using tensor-based morphometry. <i>NeuroImage</i> , 2006 , 31, 627-40	7.9	183
426	The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. <i>NeuroImage</i> , 2016 , 124, 1149-1154	7.9	177
425	When does brain aging accelerate? Dangers of quadratic fits in cross-sectional studies. <i>NeuroImage</i> , 2010 , 50, 1376-83	7.9	177
424	Genetic and environmental influences on the size of specific brain regions in midlife: the VETSA MRI study. <i>NeuroImage</i> , 2010 , 49, 1213-23	7.9	174
423	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
422	Brain development and aging: overlapping and unique patterns of change. <i>NeuroImage</i> , 2013 , 68, 63-74	7.9	173
421	Subregional neuroanatomical change as a biomarker for Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20954-9	11.5	173
420	Structural MRI biomarkers for preclinical and mild Alzheimer's disease. <i>Human Brain Mapping</i> , 2009 , 30, 3238-53	5.9	172
419	Multimodal imaging of the self-regulating developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19620-5	11.5	169
418	In vivo stimulus-induced vasodilation occurs without IP3 receptor activation and may precede astrocytic calcium increase. <i>Journal of Neuroscience</i> , 2013 , 33, 8411-22	6.6	168
417	A vascular anatomical network model of the spatio-temporal response to brain activation. <i>NeuroImage</i> , 2008 , 40, 1116-29	7.9	166
416	CSF biomarkers in prediction of cerebral and clinical change in mild cognitive impairment and Alzheimer's disease. <i>Journal of Neuroscience</i> , 2010 , 30, 2088-101	6.6	164
415	Side matters: diffusion tensor imaging tractography in left and right temporal lobe epilepsy. <i>American Journal of Neuroradiology</i> , 2009 , 30, 1740-7	4.4	161
414	Functional parcellation of attentional control regions of the brain. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 149-65	3.1	159
413	Common brain disorders are associated with heritable patterns of apparent aging of the brain. <i>Nature Neuroscience</i> , 2019 , 22, 1617-1623	25.5	157

412	From retinotopy to recognition: fMRI in human visual cortex. <i>Trends in Cognitive Sciences</i> , 1998 , 2, 174-83	14	157
411	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020 , 367,	33.3	156
410	Brain changes in older adults at very low risk for Alzheimer's disease. <i>Journal of Neuroscience</i> , 2013 , 33, 8237-42	6.6	152
409	Cerebral cortex thickness in 15-year-old adolescents with low birth weight measured by an automated MRI-based method. <i>Brain</i> , 2005 , 128, 2588-96	11.2	152
408	International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. <i>Nature Communications</i> , 2019 , 10, 4558	17.4	151
407	Genome-wide Pleiotropy Between Parkinson Disease and Autoimmune Diseases. <i>JAMA Neurology</i> , 2017 , 74, 780-792	17.2	150
406	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, 15462-7	11.5	149
405	Quantitative histological validation of diffusion MRI fiber orientation distributions in the rat brain. <i>PLoS ONE</i> , 2010 , 5, e8595	3.7	148
404	Stimulus-induced changes in blood flow and 2-deoxyglucose uptake dissociate in ipsilateral somatosensory cortex. <i>Journal of Neuroscience</i> , 2008 , 28, 14347-57	6.6	148
403	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
402	Genetic pleiotropy between multiple sclerosis and schizophrenia but not bipolar disorder: differential involvement of immune-related gene loci. <i>Molecular Psychiatry</i> , 2015 , 20, 207-14	15.1	144
401	Automated white-matter tractography using a probabilistic diffusion tensor atlas: Application to temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2009 , 30, 1535-47	5.9	144
400	Spectral spatiotemporal imaging of cortical oscillations and interactions in the human brain. <i>NeuroImage</i> , 2004 , 23, 582-95	7.9	144
399	Genetic topography of brain morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17089-94	11.5	143
398	Cerebral perfusion and oxygenation differences in Alzheimer's disease risk. <i>Neurobiology of Aging</i> , 2009 , 30, 1737-48	5.6	143
397	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017 , 145, 389-408	7.9	142
396	Quantifying the microvascular origin of BOLD-fMRI from first principles with two-photon microscopy and an oxygen-sensitive nanoprobe. <i>Journal of Neuroscience</i> , 2015 , 35, 3663-75	6.6	142
395	Regional neocortical thinning in mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2008 , 49, 794-803	6.4	141

394	Segregation of somatosensory activation in the human rolandic cortex using fMRI. <i>Journal of Neurophysiology</i> , 2000 , 84, 558-69	3.2	140
393	On-line automatic slice positioning for brain MR imaging. <i>NeuroImage</i> , 2005 , 27, 222-30	7.9	139
392	Long-term influence of normal variation in neonatal characteristics on human brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20089-94	11.5	138
391	In vivo hippocampal subfield volumes in schizophrenia and bipolar disorder. <i>Biological Psychiatry</i> , 2015 , 77, 581-8	7.9	135
390	Probing tissue microstructure with restriction spectrum imaging: Histological and theoretical validation. <i>Human Brain Mapping</i> , 2013 , 34, 327-46	5.9	134
389	Interstitial solute transport in 3D reconstructed neuropil occurs by diffusion rather than bulk flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9894-9899	11.5	133
388	"Overshoot" of O ₂ required to maintain baseline tissue oxygenation at locations distal to blood vessels. <i>Journal of Neuroscience</i> , 2011 , 31, 13676-81	6.6	133
387	Changes in white matter diffusion anisotropy in adolescents born prematurely. <i>NeuroImage</i> , 2006 , 32, 1538-48	7.9	131
386	Spatiotemporal brain imaging of visual-evoked activity using interleaved EEG and fMRI recordings. <i>NeuroImage</i> , 2001 , 13, 1035-43	7.9	129
385	The value of multichannel MEG and EEG in the presurgical evaluation of 70 epilepsy patients. <i>Epilepsy Research</i> , 2006 , 69, 80-6	3	128
384	Regional shape abnormalities in mild cognitive impairment and Alzheimer's disease. <i>NeuroImage</i> , 2009 , 45, 656-61	7.9	127
383	Cell type specificity of neurovascular coupling in cerebral cortex. <i>ELife</i> , 2016 , 5,	8.9	126
382	Multi-modal imaging predicts memory performance in normal aging and cognitive decline. <i>Neurobiology of Aging</i> , 2010 , 31, 1107-21	5.6	125
381	Structural growth trajectories and rates of change in the first 3 months of infant brain development. <i>JAMA Neurology</i> , 2014 , 71, 1266-74	17.2	124
380	Differentiating maturational and aging-related changes of the cerebral cortex by use of thickness and signal intensity. <i>NeuroImage</i> , 2010 , 52, 172-85	7.9	124
379	Large arteriolar component of oxygen delivery implies a safe margin of oxygen supply to cerebral tissue. <i>Nature Communications</i> , 2014 , 5, 5734	17.4	122
378	Brain Imaging of the Cortex in ADHD: A Coordinated Analysis of Large-Scale Clinical and Population-Based Samples. <i>American Journal of Psychiatry</i> , 2019 , 176, 531-542	11.9	120
377	The NIH Toolbox Cognition Battery: results from a large normative developmental sample (PING). <i>Neuropsychology</i> , 2014 , 28, 1-10	3.8	120

376	A human neurodevelopmental model for Williams syndrome. <i>Nature</i> , 2016 , 536, 338-43	50.4	120
375	Diffusion-weighted imaging in cancer: physical foundations and applications of restriction spectrum imaging. <i>Cancer Research</i> , 2014 , 74, 4638-52	10.1	117
374	Cortical activation to illusory shapes as measured with magnetoencephalography. <i>NeuroImage</i> , 2003 , 18, 1001-9	7.9	114
373	Volumetric cerebral characteristics of children exposed to opiates and other substances in utero. <i>NeuroImage</i> , 2007 , 36, 1331-44	7.9	112
372	Sex-dependent association of common variants of microcephaly genes with brain structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 384-8	11.5	111
371	Laminar population analysis: estimating firing rates and evoked synaptic activity from multielectrode recordings in rat barrel cortex. <i>Journal of Neurophysiology</i> , 2007 , 97, 2174-90	3.2	111
370	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, 9357-62	11.5	109
369	Cortical thickness is influenced by regionally specific genetic factors. <i>Biological Psychiatry</i> , 2010 , 67, 493-9	7.9	109
368	Genetic overlap between Alzheimer's disease and Parkinson's disease at the MAPT locus. <i>Molecular Psychiatry</i> , 2015 , 20, 1588-95	15.1	107
367	Higher rates of decline for women and apolipoprotein E epsilon4 carriers. <i>American Journal of Neuroradiology</i> , 2013 , 34, 2287-93	4.4	107
366	Vascular responses to syntactic processing: event-related fMRI study of relative clauses. <i>Human Brain Mapping</i> , 2002 , 15, 26-38	5.9	106
365	Amyloid- β -associated clinical decline occurs only in the presence of elevated P-tau. <i>Archives of Neurology</i> , 2012 , 69, 709-13		103
364	Selective increase of cortical thickness in high-performing elderly--structural indices of optimal cognitive aging. <i>NeuroImage</i> , 2006 , 29, 984-94	7.9	103
363	Prospective motion correction of high-resolution magnetic resonance imaging data in children. <i>NeuroImage</i> , 2010 , 53, 139-45	7.9	102
362	Laminar optical tomography: demonstration of millimeter-scale depth-resolved imaging in turbid media. <i>Optics Letters</i> , 2004 , 29, 1650-2	3	102
361	Magnetic resonance imaging in Alzheimer's Disease Neuroimaging Initiative 2. <i>Alzheimer's and Dementia</i> , 2015 , 11, 740-56	1.2	101
360	Local and global attention are mapped retinotopically in human occipital cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2077-82	11.5	101
359	Polygenic Overlap Between C-Reactive Protein, Plasma Lipids, and Alzheimer Disease. <i>Circulation</i> , 2015 , 131, 2061-2069	16.7	100

358	Representation of motion boundaries in retinotopic human visual cortical areas. <i>Nature</i> , 1997 , 388, 175-80.4	100
357	Association Between Genetic Traits for Immune-Mediated Diseases and Alzheimer Disease. <i>JAMA Neurology</i> , 2016 , 73, 691-7	17.2 100
356	Genetic influences on cortical regionalization in the human brain. <i>Neuron</i> , 2011 , 72, 537-44	13.9 99
355	A common MECP2 haplotype associates with reduced cortical surface area in humans in two independent populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15483-8	11.5 98
354	Shape abnormalities of subcortical and ventricular structures in mild cognitive impairment and Alzheimer's disease: detecting, quantifying, and predicting. <i>Human Brain Mapping</i> , 2014 , 35, 3701-25	5.9 97
353	Nonlinear registration of longitudinal images and measurement of change in regions of interest. <i>Medical Image Analysis</i> , 2011 , 15, 489-97	15.4 97
352	Frontal connections and cognitive changes in normal aging rhesus monkeys: a DTI study. <i>Neurobiology of Aging</i> , 2007 , 28, 1556-67	5.6 96
351	In vivo tracing of major rat brain pathways using manganese-enhanced magnetic resonance imaging and three-dimensional digital atlas. <i>NeuroImage</i> , 2003 , 20, 1591-600	7.9 95
350	Identifying regional activity associated with temporally separated components of working memory using event-related functional MRI. <i>NeuroImage</i> , 2003 , 20, 1670-84	7.9 94
349	Brain volume reductions in adolescent heavy drinkers. <i>Developmental Cognitive Neuroscience</i> , 2014 , 9, 117-25	5.5 93
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64	Genetic Stratification of Age-Dependent Parkinson's Disease Risk by Polygenic Hazard Score. <i>Movement Disorders</i> , 2021 ,	7	3
63	Beyond SNP Heritability: Polygenicity and Discoverability of Phenotypes Estimated with a Univariate Gaussian Mixture Model		3
62	Enriching the design of Alzheimer's disease clinical trials: Application of the polygenic hazard score and composite outcome measures. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020 , 6, e12071	6	3
61	Associations between age and brain microstructure in older community-dwelling men and women: the Rancho Bernardo Study. <i>Neurobiology of Aging</i> , 2020 , 95, 94-103	5.6	3
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58	Correction of Artifacts Induced by B Inhomogeneities in Breast MRI Using Reduced-Field-of-View Echo-Planar Imaging and Enhanced Reversed Polarity Gradient Method. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1581-1591	5.6	3
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30	Characterization of the Diffusion Signal of Breast Tissues using Multi-exponential Models		1
29	Neuronal basis of optical imaging signals in sensory cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S683-S683	7.3	1
28	Four-sphere head model for EEG signals revisited		1
27	Polygenic hazard score is associated with prostate cancer in multi-ethnic populations		1
26	Improved prediction of schizophrenia by leveraging genetic overlap with brain morphology		1
25	Multivariate genome-wide association study identifies 780 unique genetic loci associated with cortical morphology		1
24	Sex-dependent polygenic effects on the clinical progressions of Alzheimer's disease		1
23	Noncontrast MRI with advanced diffusion weighted imaging for breast cancer detection in a lactating woman. <i>Radiology Case Reports</i> , 2020 , 15, 2358-2361	1	1
22	Generalization of Cortical MOSTest Genome-Wide Associations Within and Across Samples		1
21	Examining Individual and Synergistic Contributions of PTSD and Genetics to Blood Pressure: A Trans-Ethnic Meta-Analysis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 678503	5.1	1
20	Elevated body weight modulates subcortical volume change and associated clinical response following electroconvulsive therapy. <i>Journal of Psychiatry and Neuroscience</i> , 2021 , 46, E418-E426	4.5	1
19	Brain microstructure mediates sex-specific patterns of cognitive aging. <i>Aging</i> , 2021 , 13, 3218-3238	5.6	1
18	Genome-wide association analysis reveals extensive genetic overlap between mood instability and psychiatric disorders but divergent patterns of genetic effects		1
17	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021 , 7, eabh1663	14.3	1

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