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A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM)

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1584	Lost in localization: the need for a universal coordinate database. <b>2009</b> , 48, 1-7	70
1583	Positional and surface area asymmetry of the human cerebral cortex. <b>2009</b> , 46, 895-903	106
1582	Is it time to re-prioritize neuroimaging databases and digital repositories?. <b>2009</b> , 47, 1720-34	60
1581	Association between triallelic polymorphism of the serotonin transporter and [18F]MPPF binding potential at 5-HT1A receptors in healthy subjects. <b>2009</b> , 47, 482-92	23
1580	Investigating the consistency of brain activation using individual trial analysis of high-resolution fMRI in the human primary visual cortex. <b>2009</b> , 47, 1417-24	8

1579	Characterization of regional heterogeneity in cerebrovascular reactivity dynamics using novel hypocapnia task and BOLD fMRI. <b>2009</b> , 48, 166-75	85
1578	Reducing inter-subject anatomical variation: effect of normalization method on sensitivity of functional magnetic resonance imaging data analysis in auditory cortex and the superior temporal region. <b>2009</b> , 47, 1522-31	31
1577	Optimizing power to track brain degeneration in Alzheimer's disease and mild cognitive impairment with tensor-based morphometry: an ADNI study of 515 subjects. <b>2009</b> , 48, 668-81	110
1576	Using Volume Features and Shape Features for Alzheimer's Disease Diagnosis. <b>2009</b> ,	0
1575	Impaired small-world efficiency in structural cortical networks in multiple sclerosis associated with white matter lesion load. <b>2009</b> , 132, 3366-79	353
1574	Multisite neuroimaging trials. <b>2009</b> , 22, 370-8	62
1573	White matter atlases based on diffusion tensor imaging. <b>2009</b> , 22, 362-9	114
1572	Neural modulation by binocular disparity greatest in human dorsal visual stream. <b>2010</b> , 104, 169-78	42
1571	Alzheimer's disease detection with objective statistical evaluation of FDG-PET brain scans: essential methodology for early identification. <b>2010</b> , 5, 259-276	2
1570	Anxiety not only increases, but also alters early error-monitoring functions. <b>2010</b> , 10, 479-92	78
1569	Supplementary motor area activations in unconscious inhibition of voluntary action. <b>2010</b> , 206, 441-8	49
1568	Shifting from region of interest (ROI) to voxel-based analysis in human brain mapping. <b>2010</b> , 40, 1857-67	40
1567	Uncovering and improving upon the inherent deficiencies of radiology reporting through data mining. <b>2010</b> , 23, 109-18	43
1566	Fast and accurate registration techniques for affine and nonrigid alignment of MR brain images. <b>2010</b> , 38, 138-57	10
1565	WebParc: a tool for analysis of the topography and volume of stroke from MRI. <b>2010</b> , 48, 215-28	6
1564	Comparison of AdaBoost and support vector machines for detecting Alzheimer's disease through automated hippocampal segmentation. <b>2010</b> , 29, 30-43	150
1563	Neural networks involved in voluntary and involuntary vocal pitch regulation in experienced singers. <b>2010</b> , 48, 607-18	82
1562	Meditation experience predicts less negative appraisal of pain: electrophysiological evidence for the involvement of anticipatory neural responses. <b>2010</b> , 150, 428-438	110

1561	Working memory fMRI activation in cocaine-dependent subjects: association with treatment response. <b>2010</b> , 181, 174-82	79
1560	Depression severity is correlated to the integrity of white matter fiber tracts in late-onset major depression. <b>2010</b> , 184, 38-48	77
1559	Temporo-insular enhancement of EEG low and high frequencies in patients with chronic tinnitus. QEEG study of chronic tinnitus patients. <b>2010</b> , 11, 40	101
1558	5-HT1A gene promoter polymorphism and [18F]MPPF binding potential in healthy subjects: a PET study. <b>2010</b> , 6, 37	7
1557	Fetal brain asymmetry: in utero sonographic study of normal fetuses. <b>2010</b> , 202, 359.e1-8	20
1556	Encoding of visual-spatial information in working memory requires more cerebral efforts than retrieval: Evidence from an EEG and virtual reality study. <b>2010</b> , 1347, 80-9	48
1555	Comparing 3 T and 1.5 T MRI for tracking Alzheimer's disease progression with tensor-based morphometry. <b>2010</b> , 31, 499-514	60
1554	Optimal transcranial magnetic stimulation coil placement for targeting the dorsolateral prefrontal cortex using novel magnetic resonance image-guided neuronavigation. <b>2010</b> , 31, 1643-52	124
1553	Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. <b>2010</b> , 31, 1862-75	102
1552	Intercenter differences in diffusion tensor MRI acquisition. <b>2010</b> , 31, 1458-68	66
1551	Neuroanatomical correlates of apathy in Parkinson's disease: A magnetic resonance imaging study using voxel-based morphometry. <b>2010</b> , 25, 2318-25	136
1550	A three-dimensional digital segmented and deformable brain atlas of the domestic pig. <b>2010</b> , 192, 102-9	114
1549	Simultaneous measurements of kinematics and fMRI: compatibility assessment and case report on recovery evaluation of one stroke patient. <b>2010</b> , 7, 49	21
1548	Phasic brain activity related to the onset of rapid eye movements during rapid eye movement sleep: study of event-related potentials and standardized low-resolution brain electromagnetic tomography. <b>2010</b> , 19, 407-14	7
1547	Visualization of image data from cells to organisms. <b>2010</b> , 7, S26-41	189
1546	TMS of posterior parietal cortex disrupts visual tactile multisensory integration. <b>2010</b> , 31, 1783-90	64
1545	MRI predictors of long-term evolution in amyotrophic lateral sclerosis. <b>2010</b> , 32, 1490-6	47
1544	Mental imagery of speech and movement implicates the dynamics of internal forward models. <b>2010</b> , 1, 166	141

1543	Strategies for the study of neuropsychiatric disorders using endophenotypes in developing countries: a potential databank from china. <b>2010</b> , 4, 207	6
1542	Neural substrates of reliability-weighted visual-tactile multisensory integration. <b>2010</b> , 4, 25	36
1541	Pain imaging in health and disease--how far have we come?. <b>2010</b> , 120, 3788-97	138
1540	fMRI-Guided transcranial magnetic stimulation reveals that the superior temporal sulcus is a cortical locus of the McGurk effect. <b>2010</b> , 30, 2414-7	178
1539	A role for the intraparietal sulcus in transforming musical pitch information. <b>2010</b> , 20, 1350-9	121
1538	Automated segmentation and quantification of liver and spleen from CT images using normalized probabilistic atlases and enhancement estimation. <b>2010</b> , 37, 771-83	96
1537	Localization of white-matter lesions and effect of vascular risk factors in late-onset major depression. <b>2010</b> , 40, 1389-99	62
1536	A behavioral and neural evaluation of prospective decision-making under risk. <b>2010</b> , 30, 14380-9	42
1535	Function-based intersubject alignment of human cortical anatomy. <b>2010</b> , 20, 130-40	122
1534	Assessment of white matter tract damage in patients with amyotrophic lateral sclerosis: a diffusion tensor MR imaging tractography study. <b>2010</b> , 31, 1457-61	117
1533	Tractographic analysis of historical lesion surgery for depression. <b>2010</b> , 35, 2553-63	67
1532	Robotic and artificial intelligence for keyhole neurosurgery: the ROBOCAST project, a multi-modal autonomous path planner. <b>2010</b> , 224, 715-27	39
1531	Enhanced detection of diffusion reductions in Creutzfeldt-Jakob disease at a higher B factor. <b>2010</b> , 31, 49-54	23
1530	Assessment of brain white matter fiber bundle atrophy in patients with Friedreich ataxia. <b>2010</b> , 255, 882-9	58
1529	Decreased cerebral cortical serotonin transporter binding in ecstasy users: a positron emission tomography/[(11)C]DASB and structural brain imaging study. <b>2010</b> , 133, 1779-97	122
1528	Integrative circuit models and their implications for the pathophysiologies and treatments of the schizophrenias. <b>2010</b> , 4, 555-83	31
1527	Modeling and Informatics in Drug Design. <b>2010</b> , 1	1
1526	The shape of motor resonance: right- or left-handed?. <b>2010</b> , 51, 313-23	35



1525	Mapping Alzheimer's disease progression in 1309 MRI scans: power estimates for different inter-scan intervals. <b>2010</b> , 51, 63-75	64
1524	The construction of a Chinese MRI brain atlas: a morphometric comparison study between Chinese and Caucasian cohorts. <b>2010</b> , 51, 33-41	108
1523	Voxelwise genome-wide association study (vGWAS). <b>2010</b> , 53, 1160-74	197
1522	Tensor-based morphometry with stationary velocity field diffeomorphic registration: application to ADNI. <b>2010</b> , 51, 956-69	21
1521	Genome-wide analysis reveals novel genes influencing temporal lobe structure with relevance to neurodegeneration in Alzheimer's disease. <b>2010</b> , 51, 542-54	119
1520	Creating a population-averaged standard brain template for Japanese macaques ( <i>M. fuscata</i> ). <b>2010</b> , 52, 1328-33	29
1519	Atlas-guided tract reconstruction for automated and comprehensive examination of the white matter anatomy. <b>2010</b> , 52, 1289-301	226
1518	Cerebellar grey matter deficits in first-episode schizophrenia mapped using cortical pattern matching. <b>2010</b> , 53, 1175-80	33
1517	Obesity is linked with lower brain volume in 700 AD and MCI patients. <b>2010</b> , 31, 1326-39	137
1516	Sex and age differences in atrophic rates: an ADNI study with n=1368 MRI scans. <b>2010</b> , 31, 1463-80	125
1515	3D maps localize caudate nucleus atrophy in 400 Alzheimer's disease, mild cognitive impairment, and healthy elderly subjects. <b>2010</b> , 31, 1312-25	87
1514	3D PIB and CSF biomarker associations with hippocampal atrophy in ADNI subjects. <b>2010</b> , 31, 1284-303	114
1513	Differential effects of nicotine on P50 amplitude, its gating, and their neural sources in low and high suppressors. <b>2010</b> , 170, 816-26	37
1512	The informatics core of the Alzheimer's Disease Neuroimaging Initiative. <b>2010</b> , 6, 247-56	28
1511	Callosal atrophy in mild cognitive impairment and Alzheimer's disease: different effects in different stages. <b>2010</b> , 49, 141-9	81
1510	FDDNP binding using MR derived cortical surface maps. <b>2010</b> , 49, 240-8	18
1509	Processing speed is correlated with cerebral health markers in the frontal lobes as quantified by neuroimaging. <b>2010</b> , 49, 1190-9	110
1508	Longitudinal characterization of brain atrophy of a Huntington's disease mouse model by automated morphological analyses of magnetic resonance images. <b>2010</b> , 49, 2340-51	72

1507	White matter architecture rather than cortical surface area correlates with the EEG alpha rhythm. <b>2010</b> , 49, 2328-39	101
1506	Loss of control during instrumental learning: a source localization study. <b>2010</b> , 50, 717-26	15
1505	Regional brain atrophy in primary fatigued patients with multiple sclerosis. <b>2010</b> , 50, 608-15	51
1504	Automated 3D mapping of baseline and 12-month associations between three verbal memory measures and hippocampal atrophy in 490 ADNI subjects. <b>2010</b> , 51, 488-99	71
1503	Automated segmentation of the prostate in 3D MR images using a probabilistic atlas and a spatially constrained deformable model. <b>2010</b> , 37, 1579-90	99
1502	Atlas generation for subcortical and ventricular structures with its applications in shape analysis. <b>2010</b> , 19, 1539-47	40
1501	ROI-based tissue type extraction and volume estimation in 3D brain anatomy. <b>2011</b> ,	1
1500	Fiber stippling: An illustrative rendering for probabilistic diffusion tractography. <b>2011</b> ,	8
1499	MRI and PET combined analysis of the medial temporal lobe. <b>2011</b> ,	
1498	Cortical deficits of emotional face processing in adults with ADHD: its relation to social cognition and executive function. <b>2011</b> , 6, 464-81	79
1497	Lateralized neural mechanisms underlying the modulation of response inhibition processes. <b>2011</b> , 55, 1771-8	80
1496	An MRI based average macaque monkey stereotaxic atlas and space (MNI monkey space). <b>2011</b> , 55, 1435-42	122
1495	Multi-contrast human neonatal brain atlas: application to normal neonate development analysis. <b>2011</b> , 56, 8-20	220
1494	Voxelwise gene-wide association study (vGeneWAS): multivariate gene-based association testing in 731 elderly subjects. <b>2011</b> , 56, 1875-91	96
1493	Developmental cortical thinning in fetal alcohol spectrum disorders. <b>2011</b> , 58, 16-25	80
1492	Appearance-based modeling for segmentation of hippocampus and amygdala using multi-contrast MR imaging. <b>2011</b> , 58, 549-59	32
1491	Deconstructing risk: separable encoding of variance and skewness in the brain. <b>2011</b> , 58, 1139-49	71
1490	Multivariate models of inter-subject anatomical variability. <b>2011</b> , 56, 422-39	34

1489	Unbiased average age-appropriate atlases for pediatric studies. <b>2011</b> , 54, 313-27	1208
1488	Domain-general mechanisms of complex working memory span. <b>2011</b> , 54, 550-9	123
1487	A new method based on ICBM152 head surface for probe placement in multichannel fNIRS. <b>2011</b> , 54, 919-27	72
1486	Neural activity that predicts subsequent memory and forgetting: a meta-analysis of 74 fMRI studies. <b>2011</b> , 54, 2446-61	425
1485	A web-based brain atlas of the vervet monkey, <i>Chlorocebus aethiops</i> . <b>2011</b> , 54, 1872-80	44
1484	A dynamic 4D probabilistic atlas of the developing brain. <b>2011</b> , 54, 2750-63	213
1483	Population-averaged standard template brain atlas for the common marmoset ( <i>Callithrix jacchus</i> ). <b>2011</b> , 54, 2741-9	74
1482	Where in-vivo imaging meets cytoarchitectonics: the relationship between cortical thickness and neuronal density measured with high-resolution [18F]flumazenil-PET. <b>2011</b> , 56, 951-60	96
1481	Segmentation priors from local image properties: without using bias field correction, location-based templates, or registration. <b>2011</b> , 55, 142-52	10
1480	MEG/EEG source reconstruction, statistical evaluation, and visualization with NUTMEG. <b>2011</b> , 2011, 758973	80
1479	Differences in quantitative EEG between frontotemporal dementia and Alzheimer's disease as revealed by LORETA. <b>2011</b> , 122, 1718-25	48
1478	Microstructure assessment of grey matter nuclei in adult tourette patients by diffusion tensor imaging. <b>2011</b> , 487, 22-6	32
1477	Neural correlates of visuo-spatial working memory encoding--an EEG study. <b>2011</b> , 500, 118-22	7
1476	Staging Alzheimer's disease progression with multimodality neuroimaging. <b>2011</b> , 95, 535-46	55
1475	Subcortical and deep cortical atrophy in Frontotemporal Lobar Degeneration. <b>2011</b> , 32, 875-84	54
1474	Hedging your bets by learning reward correlations in the human brain. <b>2011</b> , 71, 1141-52	29
1473	Contralateral parahippocampal gamma-band activity determines noise-like tinnitus laterality: a region of interest analysis. <b>2011</b> , 199, 481-90	63
1472	Measures of neurological impairment and disability in multiple sclerosis. 56-64	

1471	Functional imaging in multiple sclerosis. 175-185	2
1470	Synergy of image analysis for animal and human neuroimaging supports translational research on drug abuse. <b>2011</b> , 2, 53	5
1469	An in vivo MRI Template Set for Morphometry, Tissue Segmentation, and fMRI Localization in Rats. <b>2011</b> , 5, 26	140
1468	Multi-method analysis of MRI images in early diagnostics of Alzheimer's disease. <b>2011</b> , 6, e25446	204
1467	Automated analysis of craniofacial morphology using magnetic resonance images. <b>2011</b> , 6, e20241	19
1466	Hippocampal volume is related to body mass index in Alzheimer's disease. <b>2011</b> , 22, 10-4	30
1465	Homocysteine effects on brain volumes mapped in 732 elderly individuals. <b>2011</b> , 22, 391-5	46
1464	Impact of head models in N170 component source imaging: results in control subjects and ADHD patients. <b>2011</b> , 332, 012019	2
1463	Apolipoprotein E genotype is associated with temporal and hippocampal atrophy rates in healthy elderly adults: a tensor-based morphometry study. <b>2011</b> , 23, 433-42	58
1462	The neural network of phantom sound changes over time: a comparison between recent-onset and chronic tinnitus patients. <b>2011</b> , 34, 718-31	132
1461	A strong parietal hub in the small-world network of coloured-hearing synaesthetes during resting state EEG. <b>2011</b> , 5, 178-202	38
1460	Longitudinal MR study of brain structure and hippocampus volume in major depressive disorder. <b>2011</b> , 123, 211-9	48
1459	Longitudinal MRI study of cortical thickness, perfusion, and metabolite levels in major depressive disorder. <b>2011</b> , 124, 435-46	101
1458	The effect of basal vasodilation on hypercapnic and hypocapnic reactivity measured using magnetic resonance imaging. <b>2011</b> , 31, 426-38	33
1457	Discovery and replication of dopamine-related gene effects on caudate volume in young and elderly populations (N=1198) using genome-wide search. <b>2011</b> , 16, 927-37, 881	45
1456	Functional cortical and subcortical abnormalities in pedophilia: a combined study using a choice reaction time task and fMRI. <b>2011</b> , 8, 1660-74	39
1455	Cross-species affective functions of the medial forebrain bundle-implications for the treatment of affective pain and depression in humans. <b>2011</b> , 35, 1971-81	192
1454	Early error detection is generic, but subsequent adaption to errors is not: evidence from ERPs. <b>2011</b> , 49, 1236-1245	19

1453	A role for the right superior temporal sulcus in categorical perception of musical chords. <b>2011</b> , 49, 878-887	41
1452	Source localization of late electrocortical positivity during symptom provocation in spider phobia: an sLORETA study. <b>2011</b> , 1397, 10-8	40
1451	Early error detection predicted by reduced pre-response control process: an ERP topographic mapping study. <b>2011</b> , 23, 403-22	22
1450	Automated analysis of fundamental features of brain structures. <b>2011</b> , 9, 371-80	9
1449	Norming Normality: On Scientific Fictions and Canonical Visualisations. <b>2011</b> , 3, 41-52	2
1448	Correlations between EEG and clinical outcome in chronic neuropathic pain: surgical effects and treatment resistance. <b>2011</b> , 5, 329-48	15
1447	Numeric aspects in pitch identification: an fMRI study. <b>2011</b> , 12, 26	10
1446	An improved method for acquiring cerebrovascular reactivity maps. <b>2011</b> , 65, 1278-86	71
1445	Cognitive impairment and EEG background activity in adults with Down's syndrome: a topographic study. <b>2011</b> , 32, 716-29	17
1444	The effects of physical activity, education, and body mass index on the aging brain. <b>2011</b> , 32, 1371-82	91
1443	Cognitive impairment in multiple sclerosis is associated to different patterns of gray matter atrophy according to clinical phenotype. <b>2011</b> , 32, 1535-43	70
1442	Fully automated pipeline for quantification and localization of white matter hyperintensity in brain magnetic resonance image. <b>2011</b> , 21, 193-200	44
1441	An improved representation of regional boundaries on parcellated morphological surfaces. <b>2011</b> , 35, 206-19	3
1440	Cortical sulci recognition and spatial normalization. <b>2011</b> , 15, 529-50	82
1439	Neurological imaging: statistics behind the pictures. <b>2011</b> , 3, 423-432	4
1438	The role of sleep in directed forgetting and remembering of human memories. <b>2011</b> , 21, 2534-41	121
1437	Gray matter deficits, mismatch negativity, and outcomes in schizophrenia. <b>2011</b> , 37, 131-40	118
1436	Meta Analysis of Functional Neuroimaging Data via Bayesian Spatial Point Processes. <b>2011</b> , 106, 124-134	42

1435	Cortical and hippocampal atrophy in patients with autosomal dominant familial Alzheimer's disease. <b>2011</b> , 32, 118-25	24
1434	Attenuation correction methods suitable for brain imaging with a PET/MRI scanner: a comparison of tissue atlas and template attenuation map approaches. <b>2011</b> , 52, 1142-9	70
1433	Resting-state EEG source localization and functional connectivity in schizophrenia-like psychosis of epilepsy. <b>2011</b> , 6, e27863	121
1432	The neural and cognitive time course of theory of mind. <b>2011</b> , 31, 12849-54	92
1431	Attention-driven auditory cortex short-term plasticity helps segregate relevant sounds from noise. <b>2011</b> , 108, 4182-7	84
1430	Dynamic changes in superior temporal sulcus connectivity during perception of noisy audiovisual speech. <b>2011</b> , 31, 1704-14	127
1429	Predicting clinical outcome in comatose cardiac arrest patients using early noncontrast computed tomography. <b>2011</b> , 42, 985-92	74
1428	Distractibility in daily life is reflected in the structure and function of human parietal cortex. <b>2011</b> , 31, 6620-6	72
1427	The Cardiac Atlas Project--an imaging database for computational modeling and statistical atlases of the heart. <b>2011</b> , 27, 2288-95	198
1426	Brainstem changes in 5-HT1A receptor availability during migraine attack. <b>2011</b> , 31, 84-94	44
1425	Age-specific MRI templates for pediatric neuroimaging. <b>2012</b> , 37, 379-99	107
1424	Cerebellar grey-matter deficits, cannabis use and first-episode schizophrenia in adolescents and young adults. <b>2012</b> , 15, 297-307	35
1423	Hippocampal atrophy and ventricular enlargement in normal aging, mild cognitive impairment (MCI), and Alzheimer Disease. <b>2012</b> , 26, 17-27	188
1422	Sensorimotor, visual, and auditory cortical atrophy in Unverricht-Lundborg disease mapped with cortical thickness analysis. <b>2012</b> , 33, 878-83	21
1421	The human ventromedial prefrontal cortex is critical for transitive inference. <b>2012</b> , 24, 1191-204	48
1420	Combining imaging and clinical data in manifold learning: Distance-based and graph-based extensions of Laplacian Eigenmaps. <b>2012</b> ,	
1419	Exploring the relationship between white matter microstructure and working memory functioning following stroke: a single case study of computerized cognitive training. <b>2012</b> , 18, 139-51	16
1418	Brain anomalies in children exposed prenatally to a common organophosphate pesticide. <b>2012</b> , 109, 7871-6	291

1417	Altered cross-modal processing in the primary auditory cortex of congenitally deaf adults: a visual-somatosensory fMRI study with a double-flash illusion. <b>2012</b> , 32, 9626-38	122
1416	Phantom-based MRI corrections and power to track brain change. <b>2012</b> ,	
1415	Quantitative magnetic resonance imaging of cortical multiple sclerosis pathology. <b>2012</b> , 2012, 742018	25
1414	Alpha activity in the insula accompanies the urge to neutralize in sub-clinical obsessive-compulsive participants. <b>2012</b> , 1, 96-105	8
1413	Automatic detection of gadolinium-enhancing multiple sclerosis lesions in brain MRI using conditional random fields. <b>2012</b> , 31, 1181-94	27
1412	A diffusion tensor brain template for rhesus macaques. <b>2012</b> , 59, 306-18	57
1411	Moral values are associated with individual differences in regional brain volume. <b>2012</b> , 24, 1657-63	35
1410	Prediction of cognitive decline based on hemispheric cortical surface maps of FDDNP PET. <b>2012</b> , 61, 749-60	10
1409	DTI voxelwise analysis did not differentiate older depressed patients from older subjects without depression. <b>2012</b> , 46, 1643-9	12
1408	Thinner cortex in the frontal lobes in mentally disordered offenders. <b>2012</b> , 203, 126-31	18
1407	Validation of Simple Quantification Methods for (18)F-FP-CIT PET Using Automatic Delineation of Volumes of Interest Based on Statistical Probabilistic Anatomical Mapping and Isocontour Margin Setting. <b>2012</b> , 46, 254-60	11
1406	Spatial normalization and regional assessment of cord atrophy: voxel-based analysis of cervical cord 3D T1-weighted images. <b>2012</b> , 33, 2195-200	33
1405	Mechanisms supporting superior source memory for familiar items: a multi-voxel pattern analysis study. <b>2012</b> , 50, 3015-26	23
1404	Event-related potentials elicited by face identity processing in elderly adults with cognitive impairment. <b>2012</b> , 38, 220-45	18
1403	Microstructural changes and atrophy in brain white matter tracts with aging. <b>2012</b> , 33, 488-498.e2	77
1402	Effects of ApoE4 and maternal history of dementia on hippocampal atrophy. <b>2012</b> , 33, 856-66	45
1401	Changes in brain glucose metabolism in subthalamic nucleus deep brain stimulation for advanced Parkinson's disease. <b>2012</b> , 18, 770-4	9
1400	Functional covariance networks: obtaining resting-state networks from intersubject variability. <b>2012</b> , 2, 203-17	32

1399	Hemispheric asymmetries and cognitive flexibility: an ERP and sLORETA study. <b>2012</b> , 78, 148-55	17
1398	Electrode and brain modeling in stereo-EEG. <b>2012</b> , 123, 1745-54	25
1397	Frequency-domain EEG source analysis for acute tonic cold pain perception. <b>2012</b> , 123, 2042-9	72
1396	Altered integration of speech and gesture in children with autism spectrum disorders. <b>2012</b> , 2, 606-19	37
1395	Fast eigenvector centrality mapping of voxel-wise connectivity in functional magnetic resonance imaging: implementation, validation, and interpretation. <b>2012</b> , 2, 265-74	81
1394	Meta-analysis of functional neuroimaging studies of emotion perception and experience in schizophrenia. <b>2012</b> , 71, 136-45	196
1393	Depressive symptoms in mild cognitive impairment predict greater atrophy in Alzheimer's disease-related regions. <b>2012</b> , 71, 814-21	105
1392	Investigating phobic specificity with standardized low resolution brain electromagnetic tomography (sLORETA). <b>2012</b> , 1477, 74-82	8
1391	The relationship between TMS measures of functional properties and DTI measures of microstructure of the corticospinal tract. <b>2012</b> , 5, 297-304	28
1390	Multi-task functional MRI in multiple sclerosis patients without clinical disability. <b>2012</b> , 59, 573-81	24
1389	White matter atlas generation using HARDI based automated parcellation. <b>2012</b> , 59, 4055-63	11
1388	Construction of a consistent high-definition spatio-temporal atlas of the developing brain using adaptive kernel regression. <b>2012</b> , 59, 2255-65	201
1387	Multiple white matter tract abnormalities underlie cognitive impairment in RRMS. <b>2012</b> , 59, 3713-22	84
1386	Linking white matter tracts to associated cortical grey matter: a tract extension methodology. <b>2012</b> , 59, 3094-102	15
1385	Brain tissue volumes in the general population of the elderly: the AGES-Reykjavik study. <b>2012</b> , 59, 3862-3870	67
1384	Quantitative measurement of cerebral physiology using respiratory-calibrated MRI. <b>2012</b> , 60, 582-91	161
1383	Brain templates and atlases. <b>2012</b> , 62, 911-22	299
1382	Mechanisms mediating parallel action monitoring in fronto-striatal circuits. <b>2012</b> , 62, 137-46	75



1381	Multisensory speech perception without the left superior temporal sulcus. <b>2012</b> , 62, 1825-32	38
1380	LABEL: pediatric brain extraction using learning-based meta-algorithm. <b>2012</b> , 62, 1975-86	136
1379	Increasing power for voxel-wise genome-wide association studies: the random field theory, least square kernel machines and fast permutation procedures. <b>2012</b> , 63, 858-73	63
1378	Identification of gene pathways implicated in Alzheimer's disease using longitudinal imaging phenotypes with sparse regression. <b>2012</b> , 63, 1681-94	60
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835	Progressive Brain Atrophy Despite Persistent Viral Suppression in HIV Patients Older Than 60 Years. <b>2017</b> , 76, 289-297	43
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753	Deep learning of joint myelin and T1w MRI features in normal-appearing brain tissue to distinguish between multiple sclerosis patients and healthy controls. <b>2018</b> , 17, 169-178	46
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7 <sup>15</sup>	A framework based on sulcal constraints to align preterm, infant and adult human brain images acquired in vivo and post mortem. <b>2018</b> , 223, 4153-4168	13
7 <sup>14</sup>	Mood variations decoded from multi-site intracranial human brain activity. <b>2018</b> , 36, 954-961	87
7 <sup>13</sup>	Improved Gray Matter Atrophy Detection in Alzheimer Disease in Chinese Populations Using Chinese Brain Template. <b>2018</b> , 32, 309-313	4
7 <sup>12</sup>	Spatiotemporal pattern of appraising social and emotional relevance: Evidence from event-related brain potentials. <b>2018</b> , 18, 1172-1187	7
7 <sup>11</sup>	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. <b>2018</b> , 39, 3793-3808	34
7 <sup>10</sup>	Construction of population-specific Indian MRI brain template: Morphometric comparison with Chinese and Caucasian templates. <b>2018</b> , 35, 93-100	9
7 <sup>09</sup>	Cerebro-Cerebellar Functional Connectivity is Associated with Cerebellar Excitation-Inhibition Balance in Autism Spectrum Disorder. <b>2018</b> , 48, 3460-3473	17
7 <sup>08</sup>	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. <b>2018</b> , 178, 461-474	14
7 <sup>07</sup>	Age Differentiation within Gray Matter, White Matter, and between Memory and White Matter in an Adult Life Span Cohort. <b>2018</b> , 38, 5826-5836	33
7 <sup>06</sup>	Clinical Correlations of Brain Lesion Location in Multiple Sclerosis: Voxel-Based Analysis of a Large Clinical Trial Dataset. <b>2018</b> , 31, 886-894	16
7 <sup>05</sup>	Effect of human head morphological variability on the mechanical response of blast overpressure loading. <b>2018</b> , 34, e3109	8
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7 <sup>03</sup>	Voxel-Wise Logistic Regression and Leave-One-Source-Out Cross Validation for white matter hyperintensity segmentation. <b>2018</b> , 54, 119-136	4
7 <sup>02</sup>	An anatomically curated fiber clustering white matter atlas for consistent white matter tract parcellation across the lifespan. <b>2018</b> , 179, 429-447	74
7 <sup>01</sup>	Silent infarcts in sickle cell disease occur in the border zone region and are associated with low cerebral blood flow. <b>2018</b> , 132, 1714-1723	53
7 <sup>00</sup>	Metabolic and Electrophysiological Changes Associated to Clinical Improvement in Two Severely Traumatized Subjects Treated With EMDR-A Pilot Study. <b>2018</b> , 9, 475	3
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541	A variant near DHCR24 associates with microstructural properties of white matter and peripheral lipid metabolism in adolescents. <b>2021</b> , 26, 3795-3805	6
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539	Effects of simultaneous real-time fMRI and EEG neurofeedback in major depressive disorder evaluated with brain electromagnetic tomography. <b>2020</b> , 28, 102459	7
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532	Experimentally induced low back pain influences brain networks activity. <b>2021</b> , 53, 680-692	1
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526	A novel ex vivo, in situ method to study the human brain through MRI and histology. <b>2020</b> , 345, 108903	0
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518	An eLORETA Longitudinal Analysis of Resting State EEG Rhythms in Alzheimer's Disease. <b>2020</b> , 10, 5666	2



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516	Normalized power variance of eLORETA at high-convexity area predicts shunt response in idiopathic normal pressure hydrocephalus. <b>2020</b> , 10, 13054	2
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509	Inhibitory control dysfunction in parkinsonian impulse control disorders. <b>2020</b> , 143, 3734-3747	5
508	Regional Brain Correlates of Beta Bursts in Health and Psychosis: A Concurrent Electroencephalography and Functional Magnetic Resonance Imaging Study. <b>2021</b> , 6, 1145-1156	4
507	Brainstem Volumetric Integrity in Preclinical and Prodromal Alzheimer's Disease. <b>2020</b> , 77, 1579-1594	11
506	Trauma, treatment and Tetris: video gaming increases hippocampal volume in male patients with combat-related posttraumatic stress disorder. <b>2020</b> , 45, 279-287	11
505	Short-term Smartphone App-Based Focused Attention Meditation Diminishes Cognitive Flexibility. <b>2020</b> , 32, 1484-1496	7
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495	Understanding Functional Brain Activation using Source Localization of EEG Signals in Motor Imagery Tasks. <b>2020</b> ,	0
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492	Low and high stimulation frequencies differentially affect automated response selection in the superior parietal cortex - implications for somatosensory area processes. <b>2020</b> , 10, 3954	3
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486	Increased Resting State Triple Network Functional Connectivity in Undergraduate Problematic Cannabis Users: A Preliminary EEG Coherence Study. <b>2020</b> , 10,	9
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484	Sex-Specific Differences in Primary CNS Lymphoma. <b>2020</b> , 12,	0
483	Cortical source analysis of resting state EEG data in children with attention deficit hyperactivity disorder. <b>2020</b> , 131, 2115-2130	6
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481	Linguistic and non-linguistic non-adjacent dependency learning in early development. <b>2020</b> , 45, 100819	8
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478	Denoise magnitude diffusion magnetic resonance images via variance-stabilizing transformation and optimal singular-value manipulation. <b>2020</b> , 215, 116852	6
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470	Longitudinal patterns of cortical thinning in multiple sclerosis. <b>2020</b> , 41, 2198-2215	14
469	Real-Time Eye-to-Eye Contact Is Associated With Cross-Brain Neural Coupling in Angular Gyrus. <b>2020</b> , 14, 19	22
468	Automated separation of diffusely abnormal white matter from focal white matter lesions on MRI in multiple sclerosis. <b>2020</b> , 213, 116690	6
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460	Investigating the Effects of Chiropractic Spinal Manipulation on EEG in Stroke Patients. <b>2020</b> , 10,	5
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454	Efficacy of an Integrative Treatment for Tinnitus Combining Music and Cognitive-Behavioral Therapy-Assessed With Behavioral and EEG Data. <b>2020</b> , 14, 12	1
453	Identifying Cross-individual Correspondences of 3-hinge Gyri. <b>2020</b> , 63, 101700	4
452	Auditory and tactile frequency representations are co-embedded in modality-defined cortical sensory systems. <b>2020</b> , 215, 116837	7
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447	Alterations of brain activity and functional connectivity in transition from acute to chronic tinnitus. <b>2021</b> , 42, 485-494	14
446	A comparative study on inter-brain synchrony in real and virtual environments using hyperscanning. <b>2021</b> , 94, 62-75	4

445	Effects of MP2RAGE B sensitivity on inter-site T reproducibility and hippocampal morphometry at 7T. <b>2021</b> , 224, 117373	6
444	The Haskins pediatric atlas: a magnetic-resonance-imaging-based pediatric template and atlas. <b>2021</b> , 51, 628-639	2
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442	Functional topography of anger and aggression in the human cerebellum. <b>2021</b> , 226, 117582	10
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440	Decoding visual information from high-density diffuse optical tomography neuroimaging data. <b>2021</b> , 226, 117516	6
439	Switching Tinnitus-On: Maps and source localization of spontaneous EEG. <b>2021</b> , 132, 345-357	4
438	Robotic Rehabilitation in Spinal Cord Injury: A Pilot Study on End-Effectors and Neurophysiological Outcomes. <b>2021</b> , 49, 732-745	2
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436	Normal-appearing white matter microstructural injury is associated with white matter hyperintensity burden in acute ischemic stroke. <b>2021</b> , 16, 184-191	1
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426	Encyclopedia of Evolutionary Psychological Science. <b>2021</b> , 821-824	
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409	A neural marker of eye contact highly impaired in autism spectrum disorder.	0
408	Mapping Domain- and Age-Specific Functional Brain Activity for Children's Cognitive and Affective Development. <b>2021</b> , 37, 763-776	2
407	Uses of Human MR and PET Imaging in Research of Neurodegenerative Brain Diseases. <b>2021</b> , 18, 661-672	1
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405	Diffusion imaging changes in the treated tract following focused ultrasound thalamotomy for tremor. <b>2021</b> , 1, 100010	0
404	Mapping Complex Brain Torque Components and Their Genetic and Phenomic Architecture in 24,112 healthy individuals.	1
403	Functional specialization within the inferior parietal lobes across cognitive domains. <b>2021</b> , 10,	13
402	Joint Analysis of Eye Blinks and Brain Activity to Investigate Attentional Demand during a Visual Search Task. <b>2021</b> , 11,	4
401	Human brain networks in physiological and pathological aging: reproducibility of EEG graph theoretical analysis in cortical connectivity. <b>2021</b> ,	3
400	Exploring the Alterations in the Distribution of Neural Network Weights in Dementia Due to Alzheimer's Disease. <b>2021</b> , 23,	0
399	Neurophysiology of embedded response plans: age effects in action execution but not in feature integration from preadolescence to adulthood. <b>2021</b> , 125, 1382-1395	3
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397	BigBrainWarp: Toolbox for integration of BigBrain 3D histology with multimodal neuroimaging.	2
396	Regional distribution of anoxic brain injury after cardiac arrest: clinical and electrographic correlates.	
395	Effect of axonal fiber architecture on mechanical heterogeneity of the white matter-a statistical micromechanical model. <b>2021</b> , 1-13	1
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392	A Probabilistic Atlas of the Pineal Gland in the Standard Space. <b>2021</b> , 15, 554229	3

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390	Online Movement Correction in Response to the Unexpectedly Perturbed Initial or Final Action Goals: An ERP and sLORETA Study. <b>2021</b> , 11,	1
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388	High-Resolution EEG Source Localization in Segmentation-Free Head Models Based on Finite-Difference Method and Matching Pursuit Algorithm. <b>2021</b> , 15, 695668	2
387	Neuroimaging of the Syllable Repetition Task in Children With Residual Speech Sound Disorder. <b>2021</b> , 64, 2223-2233	1
386	Exploration of spatial distribution of brain metastasis from small cell lung cancer and identification of metastatic risk level of brain regions: a multicenter, retrospective study. <b>2021</b> , 21, 41	1
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384	Frontal activation as a key for deciphering context congruity and valence during visual perception: An electrical neuroimaging study. <b>2021</b> , 150, 105711	0
383	A distinct electrophysiological signature for synaesthesia that is independent of individual differences in sensory sensitivity. <b>2021</b> , 139, 249-266	0
382	Influence of cardiovascular risk-factors on morphological changes of cerebral arteries in healthy adults across the life span. <b>2021</b> , 11, 12236	3
381	A consistent deep registration network with group data modeling. <b>2021</b> , 90, 101904	0
380	Influence of stroke infarct location on quality of life assessed in a multivariate lesion-symptom mapping study. <b>2021</b> , 11, 13490	2
379	Cerebellar preference of luminal A and B type and basal ganglial preference of HER2-positive type breast cancer-derived brain metastases. <b>2021</b> , 15, 175	0
378	Incorporation of anatomical MRI knowledge for enhanced mapping of brain metabolism using functional PET. <b>2021</b> , 233, 117928	3
377	MTT and Blood-Brain Barrier Disruption within Asymptomatic Vascular WM Lesions. <b>2021</b> , 42, 1396-1402	1
376	Analysis of Default Mode Network in Social Anxiety Disorder: EEG Resting-State Effective Connectivity Study. <b>2021</b> , 21,	2
375	Pelvic Pain Alters Functional Connectivity Between Anterior Cingulate Cortex and Hippocampus in Both Humans and a Rat Model. <b>2021</b> , 15, 642349	2
374	Detection of Resting-State Functional Connectivity from High-Density Electroencephalography Data: Impact of Head Modeling Strategies. <b>2021</b> , 11,	1



373	HybraPD atlas: Towards precise subcortical nuclei segmentation using multimodality medical images in patients with Parkinson disease. <b>2021</b> , 42, 4399-4421	1
372	Functional Connectivity Networks and Their Recruitment During Working Memory Tasks in Adult Survivors of Childhood Brain Tumors. <b>2021</b> , 11, 822-837	0
371	Cerebrovascular reactivity measurements using simultaneous O-water PET and ASL MRI: Impacts of arterial transit time, labeling efficiency, and hematocrit. <b>2021</b> , 233, 117955	5
370	A Simulation Toolkit for Testing the Sensitivity and Accuracy of Corticometry Pipelines. <b>2021</b> , 15, 665560	
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367	Expertise Influences Congruency Monitoring During Action Observation at the Motor Level. <b>2021</b> ,	0
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365	Examining the Role of the Noradrenergic Locus Coeruleus for Predicting Attention and Brain Maintenance in Healthy Old Age and Disease: An MRI Structural Study for the Alzheimer's Disease Neuroimaging Initiative. <b>2021</b> , 10,	3
364	Neuronal correlates of the subjective experience of attention. <b>2021</b> ,	5
363	Interactive effects of the APOE and BDNF polymorphisms on functional brain connectivity: the Tasmanian Healthy Brain Project. <b>2021</b> , 11, 14514	0
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361	Opioid Specific Effects on Central Processing of Sensation and Pain: A Randomized, Cross-Over, Placebo-Controlled Study. <b>2021</b> , 22, 1477-1496	0
360	Functional characterization of human Heschl's gyrus in response to natural speech. <b>2021</b> , 235, 118003	4
359	Causal manipulation of self-other merge in the dorsomedial prefrontal cortex. <b>2021</b> , 109, 2353-2361.e11	3
358	Striatal role in everyday-life and laboratory-developed habits.	0
357	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <b>2021</b> , 10,	5
356	Neural dynamics of stimulus-response representations during inhibitory control. <b>2021</b> , 126, 680-692	4

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