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## Unified segmentation

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2267	A Low Noise CMOS Integrated Signal Processor for Multi-Element Particle Detectors. <b>1988</b> ,		3
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2060	Semantic memory activation in individuals at risk for developing Alzheimer disease. <b>2009</b> , 73, 612-20	55
2059	Voxel-based morphometry in individual patients: a pilot study in early Huntington disease. <b>2009</b> , 30, 539-43	46
2058	Executive dysfunction in frontotemporal dementia and corticobasal syndrome. <b>2009</b> , 72, 453-9	77
2057	Altered corticostriatal functional connectivity in obsessive-compulsive disorder. <b>2009</b> , 66, 1189-200	438
2056	Association of nicotine addiction and nicotine's actions with separate cingulate cortex functional circuits. <b>2009</b> , 66, 431-41	203
2055	Structural correlates of preterm birth in the adolescent brain. <b>2009</b> , 124, e964-72	85
2054	Structural correlates of semantic and phonemic fluency ability in first and second languages. <b>2009</b> , 19, 2690-8	135
2053	Mammillary body and fornix injury in congenital central hypoventilation syndrome. <b>2009</b> , 66, 429-34	24

2052	Following one's heart: cardiac rhythms gate central initiation of sympathetic reflexes. <b>2009</b> , 29, 1817-25	132
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2049	Magnetization transfer ratio abnormalities reflect clinically relevant grey matter damage in multiple sclerosis. <b>2009</b> , 15, 668-77	38
2048	Dissociable brain structural changes associated with predisposition, resilience, and disease expression in bipolar disorder. <b>2009</b> , 29, 10863-8	84
2047	Atrophy patterns in IVS10+16, IVS10+3, N279K, S305N, P301L, and V337M MAPT mutations. <b>2009</b> , 73, 1058-65	57
2046	MRI measures show significant cerebellar gray matter volume loss in multiple sclerosis and are associated with cerebellar dysfunction. <b>2009</b> , 15, 811-7	65
2045	Voxel-based morphometric multisite collaborative study on schizophrenia. <b>2009</b> , 35, 82-95	102
2044	Anatomical changes in human motor cortex and motor pathways following complete thoracic spinal cord injury. <b>2009</b> , 19, 224-32	176
2043	Olfactory impairment predicts brain atrophy in Parkinson's disease. <b>2009</b> , 29, 15410-3	111
2042	Voxel-based morphometry in the R6/2 transgenic mouse reveals differences between genotypes not seen with manual 2D morphometry. <b>2009</b> , 33, 20-7	125
2041	Use of magnetic resonance imaging for anatomical phenotyping of the R6/2 mouse model of Huntington's disease. <b>2009</b> , 33, 12-9	56
2040	Mammillary bodies and fornix fibers are injured in heart failure. <b>2009</b> , 33, 236-42	67
2039	Is it logical to count on quantifiers? Dissociable neural networks underlying numerical and logical quantifiers. <b>2009</b> , 47, 104-11	37
2038	Interaction between process and content in semantic memory: an fMRI study of noun feature knowledge. <b>2009</b> , 47, 995-1003	16
2037	Navigational expertise may compromise anterograde associative memory. <b>2009</b> , 47, 1088-95	35
2036	Reading disorders in primary progressive aphasia: a behavioral and neuroimaging study. <b>2009</b> , 47, 1893-900	93
2035	Reduced gray matter volume in ventral prefrontal cortex but not amygdala in bipolar disorder: significant effects of gender and trait anxiety. <b>2009</b> , 171, 54-68	99

2034	Dorsolateral and dorsomedial prefrontal gray matter density changes associated with bipolar depression. <b>2009</b> , 172, 200-4	36
2033	The longitudinal changes of BOLD response and cerebral hemodynamics from acute to subacute stroke. A fMRI and TCD study. <b>2009</b> , 10, 151	46
2032	Brain classification reveals the right cerebellum as the best biomarker of dyslexia. <b>2009</b> , 10, 67	93
2031	Encoding probabilistic brain atlases using Bayesian inference. <b>2009</b> , 28, 822-37	55
2030	MR image segmentation using a power transformation approach. <b>2009</b> , 28, 894-905	33
2029	Distributed local MRF models for tissue and structure brain segmentation. <b>2009</b> , 28, 1278-95	50
2028	Image-driven population analysis through mixture modeling. <b>2009</b> , 28, 1473-87	56
2027	Symmetric inverse consistent nonlinear registration driven by mutual information. <b>2009</b> , 95, 105-15	22
2026	Combined functional and causal connectivity analyses of language networks in children: a feasibility study. <b>2009</b> , 108, 22-9	20
2025	Abnormal resting-state functional connectivity patterns of the putamen in medication-naïve children with attention deficit hyperactivity disorder. <b>2009</b> , 1303, 195-206	156
2024	Agentification of Markov model-based segmentation: application to magnetic resonance brain scans. <b>2009</b> , 46, 81-95	10
2023	Larger regional white matter volume is associated with executive function deficit in remitted geriatric depression: an optimized voxel-based morphometry study. <b>2009</b> , 115, 225-9	18
2022	Clinical-neuroimaging characteristics of dysexecutive mild cognitive impairment. <b>2009</b> , 65, 414-23	72
2021	Amyloid imaging in mild cognitive impairment subtypes. <b>2009</b> , 65, 557-68	276
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2019	Somatosensory system in two types of motor reorganization in congenital hemiparesis: topography and function. <b>2009</b> , 30, 776-88	66
2018	White matter hyperintensities in the forties: their prevalence and topography in an epidemiological sample aged 44-48. <b>2009</b> , 30, 1155-67	116
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2012	Regional impact of field strength on voxel-based morphometry results. <b>2010</b> , 31, 943-57	34
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2010	Functional response in ventral temporal cortex differentiates mild cognitive impairment from normal aging. <b>2010</b> , 31, 1249-59	17
2009	Neural bases of autobiographical support for episodic recollection of faces. <b>2009</b> , 19, 718-30	48
2008	Patterns of hippocampal-neocortical interactions in the retrieval of episodic autobiographical memories across the entire life-span of aged adults. <b>2010</b> , 20, 153-65	35
2007	Automated segmentation of hippocampal subfields from ultra-high resolution in vivo MRI. <b>2009</b> , 19, 549-57	331
2006	Fully automatic hippocampus segmentation and classification in Alzheimer's disease and mild cognitive impairment applied on data from ADNI. <b>2009</b> , 19, 579-87	227
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2003	No brain structure abnormalities in boys with Tourette's syndrome: a voxel-based morphometry study. <b>2009</b> , 24, 2398-403	27
2002	Quantitative spectroscopic imaging with in situ measurements of tissue water T1, T2, and density. <b>2009</b> , 62, 583-90	25
2001	Age-related increase in cross-sensory noise in resting and steady-state cerebral perfusion. <b>2009</b> , 21, 241-51	24
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1999	The impact of age-related changes on working memory functional activity. <b>2009</b> , 3, 142-153	51



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1997	Prospective multi-centre Voxel Based Morphometry study employing scanner specific segmentations: procedure development using CaliBrain structural MRI data. <b>2009</b> , 9, 8	35
1996	SWiss Atorvastatin and interferon Beta-1b trial In Multiple Sclerosis (SWABIMS)--rationale, design and methodology. <b>2009</b> , 10, 115	11
1995	BrainPET Poster Session: Brain ImagingStroke. <b>2009</b> , 29, S624-S634	
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1992	No differential effect of age on brain matter volume and cognition in bipolar patients and healthy individuals. <b>2009</b> , 11, 316-22	24
1991	Automated normalized FLAIR imaging in MRI-negative patients with refractory focal epilepsy. <b>2009</b> , 50, 1484-90	61
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1988	Evaluation of atlas-based segmentation of hippocampi in healthy humans. <b>2009</b> , 27, 1104-9	31
1987	Quantitative grey matter histological measures do not correlate with grey matter probability values from in vivo MRI in the temporal lobe. <b>2009</b> , 181, 111-8	49
1986	Voxel-based morphometry evaluation of patients with photosensitive juvenile myoclonic epilepsy. <b>2009</b> , 86, 138-45	45
1985	Brain structural changes associated with chronicity and antipsychotic treatment in schizophrenia. <b>2009</b> , 19, 835-40	53
1984	Distinct anatomical subtypes of the behavioural variant of frontotemporal dementia: a cluster analysis study. <b>2009</b> , 132, 2932-46	223
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1982	Loss of functional specificity in the dorsal striatum of chronic cocaine users. <b>2009</b> , 102, 88-94	25
1981	Reduced caudate nuclei volumes in patients with congenital central hypoventilation syndrome. <b>2009</b> , 163, 1373-9	20

1980	Grey-matter differences related to true and false recognition of emotionally charged stimuli - a voxel based morphometry study. <b>2009</b> , 92, 99-105	6
1979	Voxel-based morphometry reveals extra-nigral atrophy patterns associated with dopamine refractory cognitive and motor impairment in parkinsonism. <b>2009</b> , 15, 187-95	71
1978	Motor cortex plasticity in ischemic perinatal stroke: a transcranial magnetic stimulation and functional MRI study. <b>2009</b> , 41, 171-8	47
1977	Brain volume and dysexecutive behavior in schizophrenia. <b>2009</b> , 33, 1255-60	33
1976	Correlation-based multivariate analysis of genetic influence on brain volume. <b>2009</b> , 450, 281-6	18
1975	Medial orbitofrontal cortex gray matter is reduced in abstinent substance-dependent individuals. <b>2009</b> , 65, 160-4	188
1974	Relationship between plasma leptin level and brain structure in elderly: a voxel-based morphometric study. <b>2009</b> , 65, 992-4	45
1973	Positron emission tomography quantification of serotonin-1A receptor binding in medication-free bipolar depression. <b>2009</b> , 66, 223-30	93
1972	Childhood sexual abuse is associated with reduced gray matter volume in visual cortex of young women. <b>2009</b> , 66, 642-8	120
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1969	Functional and structural brain correlates of theory of mind and empathy deficits in schizophrenia. <b>2009</b> , 114, 154-60	121
1968	Progressive gray matter changes in first episode schizophrenia: a 4-year longitudinal magnetic resonance study using VBM. <b>2009</b> , 114, 136-43	84
1967	The impact of developmental instability on Voxel-Based Morphometry analyses of neuroanatomical abnormalities in schizophrenia. <b>2009</b> , 115, 1-7	7
1966	Voxel-wise assessment of progression of regional brain atrophy in relapsing-remitting multiple sclerosis. <b>2009</b> , 282, 55-60	56
1965	Neurobiological Significance of Automatic Segmentation: Application to the Early Diagnosis of Alzheimer's Disease. <b>2009</b> , 134-141	1
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1963	Frontal cerebral vulnerability and executive deficits from raised intracranial pressure in child traumatic brain injury. <b>2009</b> , 26, 1891-903	26

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1961	fMRI Techniques and Protocols. <b>2009</b> ,		11
1960	Functional neuroanatomy of mental rotation. <b>2009</b> , 21, 945-59		62
1959	Image registration by minimization of Mapping Complexity. <b>2009</b> ,		
1958	Issues with threshold masking in voxel-based morphometry of atrophied brains. <i>NeuroImage</i> , <b>2009</b> , 44, 99-111	7.9	234
1957	Functional and structural synergy for resolution recovery and partial volume correction in brain PET. <i>NeuroImage</i> , <b>2009</b> , 44, 340-8	7.9	70
1956	A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobe. <i>NeuroImage</i> , <b>2009</b> , 44, 319-27	7.9	206
1955	Joint source based morphometry identifies linked gray and white matter group differences. <i>NeuroImage</i> , <b>2009</b> , 44, 777-89	7.9	54
1954	Sensitivity of voxel-based morphometry analysis to choice of imaging protocol at 3 T. <i>NeuroImage</i> , <b>2009</b> , 44, 827-38	7.9	60
1953	Segmentation of brain magnetic resonance images for measurement of gray matter atrophy in multiple sclerosis patients. <i>NeuroImage</i> , <b>2009</b> , 44, 769-76	7.9	71
1952	Time sequence diffeomorphic metric mapping and parallel transport track time-dependent shape changes. <i>NeuroImage</i> , <b>2009</b> , 45, S51-60	7.9	43
1951	A population-average MRI-based atlas collection of the rhesus macaque. <i>NeuroImage</i> , <b>2009</b> , 45, 52-9	7.9	189
1950	Can voxel based morphometry, manual segmentation and automated segmentation equally detect hippocampal volume differences in acute depression?. <i>NeuroImage</i> , <b>2009</b> , 45, 29-37	7.9	223
1949	Computing average shaped tissue probability templates. <i>NeuroImage</i> , <b>2009</b> , 45, 333-41	7.9	172
1948	Dissociating functional brain networks by decoding the between-subject variability. <i>NeuroImage</i> , <b>2009</b> , 45, 349-59	7.9	34
1947	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. <i>NeuroImage</i> , <b>2009</b> , 46, 786-802	7.9	1603
1946	The underlying anatomical correlates of long-term meditation: larger hippocampal and frontal volumes of gray matter. <i>NeuroImage</i> , <b>2009</b> , 45, 672-8	7.9	300
1945	White matter lesion extension to automatic brain tissue segmentation on MRI. <i>NeuroImage</i> , <b>2009</b> , 45, 1151-61	7.9	222

1944	A probabilistic MR atlas of the human cerebellum. <i>NeuroImage</i> , <b>2009</b> , 46, 39-46	7.9	816
1943	Selecting forward models for MEG source-reconstruction using model-evidence. <i>NeuroImage</i> , <b>2009</b> , 46, 168-76	7.9	82
1942	Automatic segmentation of the hippocampus and the amygdala driven by hybrid constraints: method and validation. <i>NeuroImage</i> , <b>2009</b> , 46, 749-61	7.9	147
1941	Regional gray matter variation in male-to-female transsexualism. <i>NeuroImage</i> , <b>2009</b> , 46, 904-7	7.9	188
1940	Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. <i>NeuroImage</i> , <b>2009</b> , 47, 194-8	7.9	143
1939	Development and validation of morphological segmentation of age-related cerebral white matter hyperintensities. <i>NeuroImage</i> , <b>2009</b> , 47, 199-203	7.9	35
1938	Genotype-phenotype interactions in primary dystonias revealed by differential changes in brain structure. <i>NeuroImage</i> , <b>2009</b> , 47, 1141-7	7.9	53
1937	Performance measure characterization for evaluating neuroimage segmentation algorithms. <i>NeuroImage</i> , <b>2009</b> , 47, 122-35	7.9	158
1936	Gender differences in the functional and structural neuroanatomy of mathematical cognition. <i>NeuroImage</i> , <b>2009</b> , 47, 342-52	7.9	109
1935	Depression in Parkinson's disease: convergence from voxel-based morphometry and functional magnetic resonance imaging in the limbic thalamus. <i>NeuroImage</i> , <b>2009</b> , 47, 467-72	7.9	91
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1931	Functional but not structural changes associated with learning: an exploration of longitudinal voxel-based morphometry (VBM). <i>NeuroImage</i> , <b>2009</b> , 48, 117-25	7.9	77
1930	Conflict control during sentence comprehension: fMRI evidence. <i>NeuroImage</i> , <b>2009</b> , 48, 280-90	7.9	103
1929	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. <i>NeuroImage</i> , <b>2009</b> , 48, 371-80	7.9	420
1928	Striatal morphology correlates with sensory abnormalities in unaffected relatives of cervical dystonia patients. <b>2009</b> , 256, 1307-13		19
1927	Disrupted amygdalar subregion functional connectivity and evidence of a compensatory network in generalized anxiety disorder. <b>2009</b> , 66, 1361-72		456

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1925	Neural correlates of symptom dimensions in pediatric obsessive-compulsive disorder: a functional magnetic resonance imaging study. <b>2009</b> , 48, 936-944	64
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1923	Serotonin transporter genotype and neuroanatomy in autism spectrum disorders. <b>2009</b> , 19, 147-50	16
1922	Detection of whole-brain abnormalities in temporal lobe epilepsy using tensor-based morphometry with DARTEL. <b>2009</b> ,	1
1921	fMRI-guided TMS on cortical eye fields: the frontal but not intraparietal eye fields regulate the coupling between visuospatial attention and eye movements. <b>2009</b> , 102, 3469-80	30
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1915	DPARF: A MATLAB Toolbox for "Pipeline" Data Analysis of Resting-State fMRI. <b>2010</b> , 4, 13	1980
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1913	Brain Activations to Emotional Pictures are Differentially Associated with Valence and Arousal Ratings. <b>2010</b> , 4, 175	51
1912	Grey and white matter changes at different stages of Alzheimer's disease. <b>2010</b> , 19, 147-59	111
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1910	Microstructural diffusion changes are independent of macrostructural volume loss in moderate to severe Alzheimer's disease. <b>2010</b> , 19, 963-76	71
1909	Are the behavioral symptoms of Alzheimer's disease directly associated with neurodegeneration?. <b>2010</b> , 21, 627-39	76

1908	PET-guided delineation of radiation therapy treatment volumes: a survey of image segmentation techniques. <b>2010</b> , 37, 2165-87	272
1907	An enhanced voxel-based morphometry method to investigate structural changes: application to Alzheimer's disease. <b>2010</b> , 52, 203-13	13
1906	Age-related changes in regional brain volume evaluated by atlas-based method. <b>2010</b> , 52, 865-73	30
1905	Computational analysis of cerebral cortex. <b>2010</b> , 52, 691-8	29
1904	Voxel-based analysis of the diffusion tensor. <b>2010</b> , 52, 699-710	53
1903	On an asymptotic distribution of dependent random variables on a 3-dimensional lattice. <b>2010</b> , 80, 1015-1021	1
1902	Aging effects on cerebral asymmetry: a voxel-based morphometry and diffusion tensor imaging study. <b>2010</b> , 28, 65-9	18
1901	Combining prospective motion correction and distortion correction for EPI: towards a comprehensive correction of motion and susceptibility-induced artifacts. <b>2010</b> , 23, 263-73	30
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1899	White matter microstructure in 22q11 deletion syndrome: a pilot diffusion tensor imaging and voxel-based morphometry study of children and adolescents. <b>2010</b> , 2, 77-92	37
1898	Learning to Match: Deriving Optimal Template-Matching Algorithms from Probabilistic Image Models. <b>2010</b> , 88, 189-213	7
1897	A generative model for image segmentation based on label fusion. <b>2010</b> , 29, 1714-29	353
1896	Intensity-based image registration by minimizing residual complexity. <b>2010</b> , 29, 1882-91	211
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1894	Interaction of childhood stress with hippocampus and prefrontal cortex volume reduction in major depression. <b>2010</b> , 44, 799-807	227
1893	Structural imaging in the presymptomatic stage of genetically determined parkinsonism. <b>2010</b> , 39, 402-8	35
1892	Early changes in the hypothalamic region in prodromal Huntington disease revealed by MRI analysis. <b>2010</b> , 40, 531-43	63
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1889	Cerebral asymmetries in monozygotic twins: an fMRI study. <b>2010</b> , 48, 3086-93	35
1888	Fear-enhanced visual search persists after amygdala lesions. <b>2010</b> , 48, 3430-5	45
1887	Voxel-based analyses of gray/white matter volume and diffusion tensor data in major depression. <b>2010</b> , 181, 64-70	154
1886	Loss of laterality in chronic cocaine users: an fMRI investigation of sensorimotor control. <b>2010</b> , 181, 15-23	27
1885	Voxel-based morphometry comparison between first episodes of psychosis with and without evolution to schizophrenia. <b>2010</b> , 181, 204-10	11
1884	Cortico-subcortical underpinnings of narrative processing impairment in schizophrenia. <b>2010</b> , 182, 77-80	14
1883	Amygdalar modulation of frontotemporal connectivity during the inkblot test. <b>2010</b> , 182, 103-10	18
1882	Brain glutamatergic characteristics of pediatric offspring of parents with bipolar disorder. <b>2010</b> , 182, 165-71	24
1881	Subcortical and cortical gray matter differences between Kraepelinian and non-Kraepelinian schizophrenia patients identified using voxel-based morphometry. <b>2010</b> , 184, 16-22	33
1880	High pregnancy anxiety during mid-gestation is associated with decreased gray matter density in 6-9-year-old children. <b>2010</b> , 35, 141-53	310
1879	Gray matter correlates of cognitive ability tests used for vocational guidance. <b>2010</b> , 3, 206	10
1878	Gray and white matter reduction in hyposmic subjects--A voxel-based morphometry study. <b>2010</b> , 1347, 42-7	76
1877	Menstrual cycle and hormonal contraceptive use modulate human brain structure. <b>2010</b> , 1348, 55-62	129
1876	Pituitary volume in patients with bipolar disorder and their first-degree relatives. <b>2010</b> , 124, 256-61	34
1875	Sex dimorphism in gray/white matter volume and diffusion tensor during normal aging. <b>2010</b> , 23, 446-58	27
1874	Correlation between quantitative EEG and MRI in idiopathic generalized epilepsy. <b>2010</b> , 31, 1327-38	18
1873	Attachment style, affective loss and gray matter volume: a voxel-based morphometry study. <b>2010</b> , 31, 1482-9	22

1872	A parametric empirical Bayesian framework for fMRI-constrained MEG/EEG source reconstruction. <b>2010</b> , 31, 1512-31	83
1871	Evidence for retrochiasmatic tissue loss in Leber's hereditary optic neuropathy. <b>2010</b> , 31, 1900-6	40
1870	Structural and functional plasticity of the hippocampal formation in professional dancers and slackliners. <b>2011</b> , 21, 855-65	72
1869	Voxel-based morphometry depicts central compensation after vestibular neuritis. <b>2010</b> , 68, 241-9	80
1868	Cerebral asymmetry in patients with schizophrenia: a voxel-based morphometry (VBM) and diffusion tensor imaging (DTI) study. <b>2010</b> , 31, 221-6	35
1867	Rostral brain axonal injury in congenital central hypoventilation syndrome. <b>2010</b> , 88, 2146-54	49
1866	Callosal tissue loss in multiple system atrophy--a one-year follow-up study. <b>2010</b> , 25, 2613-20	20
1865	Human brain atlas-based volumetry and relaxometry: application to healthy development and natural aging. <b>2010</b> , 64, 1382-9	39
1864	Segmentation of image ensembles via latent atlases. <b>2010</b> , 14, 654-65	53
1863	An improved lesion detection approach based on similarity measurement between fuzzy intensity segmentation and spatial probability maps. <b>2010</b> , 28, 245-54	23
1862	Brain MRI tissue classification based on local Markov random fields. <b>2010</b> , 28, 557-73	50
1861	Automated electrocorticographic electrode localization on individually rendered brain surfaces. <b>2010</b> , 185, 293-8	190
1860	Analyzing diffusion tensor images with ghosting artifacts: the effects of direct and indirect normalization. <b>2010</b> , 28, 1507-13	
1859	Auras and clinical features in temporal lobe epilepsy: a new approach on the basis of voxel-based morphometry. <b>2010</b> , 89, 327-38	28
1858	Corticolimbic gray matter loss in Parkinson's disease without dementia. <b>2010</b> , 17, 1090-7	49
1857	Quantitative magnetic resonance spectroscopic imaging in Parkinson's disease, progressive supranuclear palsy and multiple system atrophy. <b>2010</b> , 17, 1193-1202	31
1856	Altered regional brain morphology in patients with chronic facial pain. <b>2010</b> , 50, 1278-85	43
1855	Extrahippocampal gray matter loss and hippocampal deafferentation in patients with temporal lobe epilepsy. <b>2010</b> , 51, 519-28	106



1854	Magnetic resonance imaging volume of the angular gyri predicts financial skill deficits in people with amnesic mild cognitive impairment. <b>2010</b> , 58, 265-74	50
1853	Temporal lobe grey matter volume in schizophrenia is associated with a genetic polymorphism influencing glycogen synthase kinase 3-activity. <b>2010</b> , 9, 365-71	46
1852	A simple way to improve anatomical mapping of functional brain imaging. <b>2010</b> , 20, 324-33	34
1851	The effects of lithium and anticonvulsants on brain structure in bipolar disorder. <b>2010</b> , 122, 481-7	88
1850	Manic episodes are associated with grey matter volume reduction - a voxel-based morphometry brain analysis. <b>2010</b> , 122, 507-15	71
1849	Mapping brain function using a 30-day interval between baseline and activation: a novel arterial spin labeling fMRI approach. <b>2010</b> , 30, 1721-33	15
1848	Evidence for grid cells in a human memory network. <b>2010</b> , 463, 657-61	691
1847	The in vivo distribution of brain tissue loss in Richardson's syndrome and PSP-parkinsonism: a VBM-DARTEL study. <b>2010</b> , 32, 640-7	64
1846	Reduced gray matter volume of dorsal cingulate cortex in patients with obsessive-compulsive disorder: a voxel-based morphometric study. <b>2010</b> , 64, 541-7	26
1845	Cortical and subcortical white matter abnormalities in adults with remitted first-episode mania revealed by Tract-Based Spatial Statistics. <b>2010</b> , 12, 383-9	45
1844	Structural imaging of Alzheimer's disease. 313-331	
1843	Pedagogical immigration to 3D virtual worlds: A critical review of underlying themes and their concepts. <b>2010</b> ,	4
1842	Age-related changes in processing speed: unique contributions of cerebellar and prefrontal cortex. <b>2010</b> , 4, 10	104
1841	A cognitive training intervention increases resting cerebral blood flow in healthy older adults. <b>2010</b> , 4, 16	93
1840	Human fronto-tectal and fronto-striatal-tectal pathways activate differently during anti-saccades. <b>2010</b> , 4, 41	11
1839	Visual motion, eye motion, and relative motion: A parametric fMRI study of functional specializations of smooth pursuit eye movement network areas. <b>2010</b> , 10, 21	9
1838	When music and long-term memory interact: effects of musical expertise on functional and structural plasticity in the hippocampus. <b>2010</b> , 5, e13225	73
1837	On the role of the striatum in response inhibition. <b>2010</b> , 5, e13848	218

1836	Neural correlates of impaired functional independence in early Alzheimer's disease. <b>2010</b> , 19, 517-27	45
1835	Reduced limbic and hypothalamic volumes correlate with bone density in early Alzheimer's disease. <b>2010</b> , 20, 313-22	50
1834	The temporal dynamics of the Müller-Lyer illusion. <b>2010</b> , 20, 1586-95	25
1833	Structural connectivity for visuospatial attention: significance of ventral pathways. <b>2010</b> , 20, 121-9	133
1832	Multiparametric MR investigation of the motor pyramidal system in patients with 'truly benign' multiple sclerosis. <b>2010</b> , 16, 178-88	11
1831	Measurement of gray and white matter atrophy in dementia with Lewy bodies using diffeomorphic anatomic registration through exponentiated lie algebra: A comparison with conventional voxel-based morphometry. <b>2010</b> , 31, 1873-8	47
1830	Neural correlates of syntactic processing in the nonfluent variant of primary progressive aphasia. <b>2010</b> , 30, 16845-54	129
1829	Impaired information integration contributes to communication difficulty in corticobasal syndrome. <b>2010</b> , 23, 1-7	11
1828	Baseline predictors of clinical progression among patients with dysexecutive mild cognitive impairment. <b>2010</b> , 30, 344-51	24
1827	Changes in brain morphology in patients with obstructive sleep apnoea. <b>2010</b> , 65, 908-14	121
1826	Neural activity changes to emotional stimuli in healthy individuals under chronic use of clomipramine. <b>2010</b> , 24, 1165-74	12
1825	Brain mediators of predictive cue effects on perceived pain. <b>2010</b> , 30, 12964-77	275
1824	Class conditional entropic prior for MRI enhanced SPECT reconstruction. <b>2010</b> ,	3
1823	Coordinated and circumlocutory semantic naming errors are related to anterolateral temporal lobes in mild AD, amnesic mild cognitive impairment, and normal aging. <b>2010</b> , 16, 1099-107	10
1822	Reduction of basal forebrain cholinergic system parallels cognitive impairment in patients at high risk of developing Alzheimer's disease. <b>2010</b> , 20, 1685-95	148
1821	Neural processing during older adults' comprehension of spoken sentences: age differences in resource allocation and connectivity. <b>2010</b> , 20, 773-82	166
1820	Temporal and right frontal lobe alterations in panic disorder: a quantitative volumetric and voxel-based morphometric MRI study. <b>2010</b> , 40, 1879-86	56
1819	Anosmia leads to a loss of gray matter in cortical brain areas. <b>2010</b> , 35, 407-15	96

1818	Neuroanatomical correlates of psychosis in temporal lobe epilepsy: voxel-based morphometry study. <b>2010</b> , 197, 482-92	26
1817	Separating neural correlates of allocentric and egocentric neglect: distinct cortical sites and common white matter disconnections. <b>2010</b> , 27, 277-303	111
1816	Locally weighted Markov random fields for cortical segmentation. <b>2010</b> ,	0
1815	Segmentation of Viscose Filament Fracture Surface Image Based on SOFM Network Fusion. <b>2010</b> ,	0
1814	Probabilistic white matter and fiber tract atlas construction. <b>2010</b> ,	
1813	SPARC: Unified framework for automatic segmentation, probabilistic atlas construction, registration and clustering of brain MR images. <b>2010</b> ,	4
1812	Brain surface electrode co-registration using MRI and X-ray. <b>2010</b> , 2010, 6015-8	8
1811	Skull segmentation in 3D neonatal MRI using hybrid Hopfield Neural Network. <b>2010</b> , 2010, 4060-3	6
1810	A review of segmentation method for MR image. <b>2010</b> ,	0
1809	Hippocampal atrophy in relapsing-remitting and primary progressive MS: a comparative study. <b>2010</b> , 16, 1083-90	40
1808	Effects of age on the glucose metabolic changes in mild cognitive impairment. <b>2010</b> , 31, 1247-53	43
1807	Contrasting effects of vocabulary knowledge on temporal and parietal brain structure across lifespan. <b>2010</b> , 22, 943-54	49
1806	3D level set image segmentation refined by intelligent agent swarm. <b>2010</b> ,	4
1805	Nurture versus nature: long-term impact of forced right-handedness on structure of pericentral cortex and basal ganglia. <b>2010</b> , 30, 3271-5	54
1804	Striatal prediction error modulates cortical coupling. <b>2010</b> , 30, 3210-9	242
1803	Online Brain Image Database System for Diagnosis of Subtle Brain Injury. <b>2010</b> ,	1
1802	Construction of a dynamic 4D probabilistic atlas for the developing brain. <b>2010</b> ,	1
1801	NEONATAL BRAIN MRI SEGMENTATION BY BUILDING MULTI-REGION-MULTI-REFERENCE ATLASES. <b>2010</b> , 2010, 964-967	

1800	Dynamic properties of human brain structure: learning-related changes in cortical areas and associated fiber connections. <b>2010</b> , 30, 11670-7	355
1799	Medical Imaging and Augmented Reality. <b>2010</b> ,	8
1798	Clinically isolated syndrome suggestive of multiple sclerosis: voxelwise regional investigation of white and gray matter. <b>2010</b> , 254, 227-34	66
1797	Language networks in semantic dementia. <b>2010</b> , 133, 286-99	180
1796	Impulsivity-related brain volume deficits in schizophrenia-addiction comorbidity. <b>2010</b> , 133, 3093-103	51
1795	MRS in presymptomatic MAPT mutation carriers: a potential biomarker for tau-mediated pathology. <b>2010</b> , 75, 771-8	40
1794	MRI superresolution using self-similarity and image priors. <b>2010</b> , 2010, 425891	62
1793	Gray and white matter water diffusion in the syndromic variants of frontotemporal dementia. <b>2010</b> , 74, 1279-87	211
1792	Absolute diffusivities define the landscape of white matter degeneration in Alzheimer's disease. <b>2010</b> , 133, 529-39	320
1791	Regional patterns of brain tissue loss associated with depression in Parkinson disease. <b>2010</b> , 75, 857-63	121
1790	Hippocampal and caudate volume reductions in antipsychotic-naive first-episode schizophrenia. <b>2010</b> , 35, 95-104	88
1789	Dissociating bottom-up and top-down processes in a manual stimulus-response compatibility task. <b>2010</b> , 104, 1472-83	38
1788	Comparing predictors of conversion and decline in mild cognitive impairment. <b>2010</b> , 75, 230-8	464
1787	Does TDP-43 type confer a distinct pattern of atrophy in frontotemporal lobar degeneration?. <b>2010</b> , 75, 2212-20	65
1786	Antiepileptic drug response in temporal lobe epilepsy: a clinical and MRI morphometry study. <b>2010</b> , 75, 1695-701	59
1785	Reduced occipital and prefrontal brain volumes in dysbindin-associated schizophrenia. <b>2010</b> , 35, 368-73	25
1784	Reorganization of syntactic processing following left-hemisphere brain damage: does right-hemisphere activity preserve function?. <b>2010</b> , 133, 3396-408	66
1783	Early functional magnetic resonance imaging activations predict language outcome after stroke. <b>2010</b> , 133, 1252-64	97

1782	Sequential relationships between grey matter and white matter atrophy and brain metabolic abnormalities in early Alzheimer's disease. <b>2010</b> , 133, 3301-14	171
1781	Magnetic resonance imaging lesion pattern in Guadeloupean parkinsonism is distinct from progressive supranuclear palsy. <b>2010</b> , 133, 2410-25	28
1780	Multispectral brain morphometry in Tourette syndrome persisting into adulthood. <b>2010</b> , 133, 3661-75	113
1779	Noradrenergic modulation of cortical networks engaged in visuomotor processing. <b>2010</b> , 20, 783-97	67
1778	Gait in elderly with cerebral small vessel disease. <b>2010</b> , 41, 1652-8	92
1777	Intensity inhomogeneity correction for the breast sonogram: constrained fuzzy cell-based bipartitioning and polynomial surface modeling. <b>2010</b> , 37, 5645-54	3
1776	Voxel-based morphometry and epilepsy. <b>2010</b> , 10, 975-84	26
1775	Recessively inherited parkinsonism: effect of ATP13A2 mutations on the clinical and neuroimaging phenotype. <b>2010</b> , 67, 1357-63	61
1774	Sexual dimorphism in the parietal substrate associated with visuospatial cognition independent of general intelligence. <b>2010</b> , 22, 139-55	70
1773	Anatomical and functional connectivity of cytoarchitectonic areas within the human parietal operculum. <b>2010</b> , 30, 6409-21	283
1772	Enhanced detection of diffusion reductions in Creutzfeldt-Jakob disease at a higher B factor. <b>2010</b> , 31, 49-54	23
1771	Gray- and white-matter changes 1 year after first clinical episode of multiple sclerosis: MR imaging. <b>2010</b> , 257, 448-54	67
1770	The clinical role of fusion imaging using PET, CT, and MR imaging. <b>2010</b> , 18, 133-49	49
1769	Childhood stress, serotonin transporter gene and brain structures in major depression. <b>2010</b> , 35, 1383-90	157
1768	Higher serotonin 1A binding in a second major depression cohort: modeling and reference region considerations. <b>2010</b> , 68, 170-8	124
1767	Gray and white matter volumetric and diffusion tensor imaging (DTI) analyses in the early stage of first-episode schizophrenia. <b>2010</b> , 116, 196-203	57
1766	White matter abnormalities in first-episode schizophrenia: a combined structural MRI and DTI study. <b>2010</b> , 119, 52-60	54
1765	Neuroanatomic and cognitive abnormalities related to herpes simplex virus type 1 in schizophrenia. <b>2010</b> , 118, 224-31	57

1764	Gray-matter abnormalities in deficit schizophrenia. <b>2010</b> , 120, 63-70		66
1763	Neuroanatomical correlates of executive dysfunction in the at-risk mental state for psychosis. <b>2010</b> , 123, 160-74		41
1762	A robust method to estimate the intracranial volume across MRI field strengths (1.5T and 3T). <i>NeuroImage</i> , <b>2010</b> , 50, 1427-37	7.9	96
1761	Normal variation in fronto-occipital circuitry and cerebellar structure with an autism-associated polymorphism of CNTNAP2. <i>NeuroImage</i> , <b>2010</b> , 53, 1030-42	7.9	89
1760	In vivo definition of parieto-motor connections involved in planning of grasping movements. <i>NeuroImage</i> , <b>2010</b> , 51, 300-12	7.9	106
1759	Construction of multi-region-multi-reference atlases for neonatal brain MRI segmentation. <i>NeuroImage</i> , <b>2010</b> , 51, 684-93	7.9	84
1758	fMRI language mapping in children: a panel of language tasks using visual and auditory stimulation without reading or metalinguistic requirements. <i>NeuroImage</i> , <b>2010</b> , 51, 897-909	7.9	19
1757	Accuracy and reproducibility study of automatic MRI brain tissue segmentation methods. <i>NeuroImage</i> , <b>2010</b> , 51, 1047-56	7.9	93
1756	Automated cross-sectional and longitudinal hippocampal volume measurement in mild cognitive impairment and Alzheimer's disease. <i>NeuroImage</i> , <b>2010</b> , 51, 1345-59	7.9	203
1755	Reliability and validity of MRI-based automated volumetry software relative to auto-assisted manual measurement of subcortical structures in HIV-infected patients from a multisite study. <i>NeuroImage</i> , <b>2010</b> , 51, 1334-44	7.9	103
1754	Dissociable responses to punishment in distinct striatal regions during reversal learning. <i>NeuroImage</i> , <b>2010</b> , 51, 1459-67	7.9	55
1753	Distinct patterns of functional and structural neuroplasticity associated with learning Morse code. <i>NeuroImage</i> , <b>2010</b> , 51, 1234-41	7.9	49
1752	Predicting clinical scores from magnetic resonance scans in Alzheimer's disease. <i>NeuroImage</i> , <b>2010</b> , 51, 1405-13	7.9	193
1751	Automated brain tissue segmentation based on fractional signal mapping from inversion recovery Look-Locker acquisition. <i>NeuroImage</i> , <b>2010</b> , 52, 1347-54	7.9	15
1750	Evaluating an acoustically quiet EPI sequence for use in fMRI studies of speech and auditory processing. <i>NeuroImage</i> , <b>2010</b> , 52, 1410-9	7.9	57
1749	Selective effects of aging on brain white matter microstructure: a diffusion tensor imaging tractography study. <i>NeuroImage</i> , <b>2010</b> , 52, 1190-201	7.9	113
1748	Evaluation of automated techniques for the quantification of grey matter atrophy in patients with multiple sclerosis. <i>NeuroImage</i> , <b>2010</b> , 52, 1261-7	7.9	71
1747	Cost function masking during normalization of brains with focal lesions: still a necessity?. <i>NeuroImage</i> , <b>2010</b> , 53, 78-84	7.9	161

1746	Head size, age and gender adjustment in MRI studies: a necessary nuisance?. <i>NeuroImage</i> , <b>2010</b> , 53, 1244-55	7.9	313
1745	Harsh corporal punishment is associated with increased T2 relaxation time in dopamine-rich regions. <i>NeuroImage</i> , <b>2010</b> , 53, 412-9	7.9	38
1744	The role of the left anterior temporal lobe in the semantic processing of famous faces. <i>NeuroImage</i> , <b>2010</b> , 53, 674-81	7.9	45
1743	Improved estimates of partial volume coefficients from noisy brain MRI using spatial context. <i>NeuroImage</i> , <b>2010</b> , 53, 480-90	7.9	38
1742	The state of tranquility: subjective perception is shaped by contextual modulation of auditory connectivity. <i>NeuroImage</i> , <b>2010</b> , 53, 611-8	7.9	70
1741	A spatiotemporal atlas of MR intensity, tissue probability and shape of the fetal brain with application to segmentation. <i>NeuroImage</i> , <b>2010</b> , 53, 460-70	7.9	117
1740	The neural substrates of musical memory revealed by fMRI and two semantic tasks. <i>NeuroImage</i> , <b>2010</b> , 53, 1301-9	7.9	45
1739	Connected speech production in three variants of primary progressive aphasia. <b>2010</b> , 133, 2069-88		329
1738	Gray matter deficits and resting-state abnormalities in abstinent heroin-dependent individuals. <b>2010</b> , 482, 101-5		81
1737	The neural correlates of endowment effect without economic transaction. <b>2010</b> , 68, 59-65		14
1736	Effects of low-level exposure to sarin and cyclosarin during the 1991 Gulf War on brain function and brain structure in US veterans. <b>2010</b> , 31, 493-501		92
1735	Amygdalar enlargement associated with unique perception. <b>2010</b> , 46, 94-9		25
1734	Altered effective connectivity and anomalous anatomy in the basal ganglia-thalamocortical circuit of stuttering speakers. <b>2010</b> , 46, 49-67		108
1733	Sound naming in neurodegenerative disease. <b>2010</b> , 72, 423-9		14
1732	The val158met COMT polymorphism's effect on atrophy in healthy aging and Parkinson's disease. <b>2010</b> , 31, 1064-8		33
1731	Central autonomic regulation in congenital central hypoventilation syndrome. <b>2010</b> , 167, 1249-56		32
1730	Medial temporal lobe dysfunction during encoding and retrieval of episodic memory in non-demented APOE epsilon4 carriers. <b>2010</b> , 168, 487-97		36
1729	Rhesus macaque brain morphometry: a methodological comparison of voxel-wise approaches. <b>2010</b> , 50, 157-65		61

1728	Neuroprotective effects of cognitive enhancement therapy against gray matter loss in early schizophrenia: results from a 2-year randomized controlled trial. <b>2010</b> , 67, 674-82		247
1727	Genetic variation in apolipoprotein E alters regional gray matter volumes in remitted late-onset depression. <b>2010</b> , 121, 273-7		35
1726	Against hyperacuity in brain reading: spatial smoothing does not hurt multivariate fMRI analyses?. <i>NeuroImage</i> , <b>2010</b> , 49, 1943-8	7.9	191
1725	Voxel-based morphometry and automated lobar volumetry: the trade-off between spatial scale and statistical correction. <i>NeuroImage</i> , <b>2010</b> , 49, 587-96	7.9	20
1724	Callosal atrophy in mild cognitive impairment and Alzheimer's disease: different effects in different stages. <i>NeuroImage</i> , <b>2010</b> , 49, 141-9	7.9	81
1723	Neonatal brain image segmentation in longitudinal MRI studies. <i>NeuroImage</i> , <b>2010</b> , 49, 391-400	7.9	155
1722	Does function follow form?: methods to fuse structural and functional brain images show decreased linkage in schizophrenia. <i>NeuroImage</i> , <b>2010</b> , 49, 2626-37	7.9	36
1721	Investigating association of brain volumes with intracranial capacity in schizophrenia. <i>NeuroImage</i> , <b>2010</b> , 49, 2503-8	7.9	12
1720	Age-related networks of regional covariance in MRI gray matter: reproducible multivariate patterns in healthy aging. <i>NeuroImage</i> , <b>2010</b> , 49, 1750-9	7.9	82
1719	Brain tractography using Q-ball imaging and graph theory: Improved connectivities through fibre crossings via a model-based approach. <i>NeuroImage</i> , <b>2010</b> , 49, 2444-56	7.9	52
1718	MP2RAGE, a self bias-field corrected sequence for improved segmentation and T1-mapping at high field. <i>NeuroImage</i> , <b>2010</b> , 49, 1271-81	7.9	709
1717	Fast and robust multi-atlas segmentation of brain magnetic resonance images. <i>NeuroImage</i> , <b>2010</b> , 49, 2352-65	7.9	297
1716	Physical activity and memory functions: are neurotrophins and cerebral gray matter volume the missing link?. <i>NeuroImage</i> , <b>2010</b> , 49, 2756-63	7.9	177
1715	Intra- and interscanner variability of automated voxel-based volumetry based on a 3D probabilistic atlas of human cerebral structures. <i>NeuroImage</i> , <b>2010</b> , 49, 2216-24	7.9	105
1714	Registration accuracy for VBM studies varies according to region and degenerative disease grouping. <i>NeuroImage</i> , <b>2010</b> , 49, 2205-15	7.9	61
1713	Dissociation of neural networks for anticipation and consumption of monetary and social rewards. <i>NeuroImage</i> , <b>2010</b> , 49, 3276-85	7.9	218
1712	Combining functional and anatomical connectivity reveals brain networks for auditory language comprehension. <i>NeuroImage</i> , <b>2010</b> , 49, 3187-97	7.9	195
1711	Distributed subordinate specificity for bodies, faces, and buildings in human ventral visual cortex. <i>NeuroImage</i> , <b>2010</b> , 49, 3414-25	7.9	67



1710	Modulating cortical connectivity in stroke patients by rTMS assessed with fMRI and dynamic causal modeling. <i>NeuroImage</i> , <b>2010</b> , 50, 233-42	7.9	256
1709	A Bayesian spatiotemporal model for very large data sets. <i>NeuroImage</i> , <b>2010</b> , 50, 1126-41	7.9	21
1708	Regional grey matter volume abnormalities in bulimia nervosa and binge-eating disorder. <i>NeuroImage</i> , <b>2010</b> , 50, 639-43	7.9	88
1707	A validation framework for probabilistic maps using Heschl's gyrus as a model. <i>NeuroImage</i> , <b>2010</b> , 50, 532-44	7.9	6
1706	Estimating the age of healthy subjects from T1-weighted MRI scans using kernel methods: exploring the influence of various parameters. <i>NeuroImage</i> , <b>2010</b> , 50, 883-92	7.9	424
1705	Cuff-type pneumatic stimulator for studying somatosensory evoked responses with fMRI. <i>NeuroImage</i> , <b>2010</b> , 50, 1067-73	7.9	22
1704	Identifying population differences in whole-brain structural networks: a machine learning approach. <i>NeuroImage</i> , <b>2010</b> , 50, 910-9	7.9	76
1703	Reduced interhemispheric structural connectivity between anterior cingulate cortices in borderline personality disorder. <b>2010</b> , 181, 151-4		40
1702	Imaging correlates of pathology in corticobasal syndrome. <b>2010</b> , 75, 1879-87		175
1701	Human amygdala reactivity is diminished by the $\beta$ -adrenergic antagonist propranolol. <b>2010</b> , 40, 1839-48		109
1700	. <b>2010</b> ,		3
1699	Who is to blame? Neural correlates of causal attribution in social situations. <b>2010</b> , 5, 335-50		45
1698	Atlas generation for subcortical and ventricular structures with its applications in shape analysis. <b>2010</b> , 19, 1539-47		40
1697	Fuzzy modeling of brain tissues in Bayesian segmentation of brain MR images. <b>2010</b> ,		1
1696	Analysis of cortical thickness in patients with posttraumatic stress disorder due to mining disaster. <b>2010</b> ,		
1695	A Novel and Multi-Scale Unsupervised Algorithm for Image Segmentation. <b>2010</b> ,		
1694	Neurochemical alterations in women with borderline personality disorder and comorbid attention-deficit hyperactivity disorder. <b>2010</b> , 11, 372-81		16
1693	Detection of Mild Cognitive Impairment Using Image Differences and Clinical Features. <b>2010</b> ,		1

1692	Neural correlates of social approach and withdrawal in patients with major depression. <b>2011</b> , 6, 482-501	52
1691	ROI-based tissue type extraction and volume estimation in 3D brain anatomy. <b>2011</b> ,	1
1690	A regret-induced status quo bias. <b>2011</b> , 31, 3320-7	46
1689	The relationship between mood disorders and MRI findings following traumatic brain injury. <b>2011</b> , 25, 543-50	16
1688	Measuring the Consistency of Global Functional Connectivity Using Kernel Regression Methods. <b>2011</b> ,	2
1687	Review for Intensity Inhomogeneity Estimate Method. <b>2011</b> ,	0
1686	Different pain, different brain: thalamic anatomy in neuropathic and non-neuropathic chronic pain syndromes. <b>2011</b> , 31, 5956-64	164
1685	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. <b>2011</b> , 134, 415-31	167
1684	Functional reorganization of the brain in humans following spinal cord injury: evidence for underlying changes in cortical anatomy. <b>2011</b> , 31, 2630-7	140
1683	Automatic 3D graph cuts for brain cortex segmentation in patients with focal cortical dysplasia. <b>2011</b> , 2011, 7981-4	8
1682	Functional role of ipsilateral motor areas in multiple sclerosis. <b>2011</b> , 82, 578-83	20
1681	Functional Imaging and Modeling of the Heart. <b>2011</b> ,	11
1680	Dysfunctions in brain networks supporting empathy: an fMRI study in adults with autism spectrum disorders. <b>2011</b> , 6, 1-21	121
1679	Neuroanatomical correlates of cognitive reserve in Alzheimer disease. <b>2011</b> , 14, 143-51	51
1678	A comprehensive assessment of cerebellar damage in multiple sclerosis using diffusion tractography and volumetric analysis. <b>2011</b> , 17, 1079-87	55
1677	Gray-matter volume reduction in the thalamus and frontal lobe in epileptic patients with generalized tonic-clonic seizures. <b>2011</b> , 38, 298-303	33
1676	Cortical responses to a graded working memory challenge predict functional decline in mild cognitive impairment. <b>2011</b> , 70, 123-30	24
1675	Joint segmentation and deformable registration of brain scans guided by a tumor growth model. <b>2011</b> , 14, 532-40	29

1674	The neural architecture of the language comprehension network: converging evidence from lesion and connectivity analyses. <b>2011</b> , 5, 1		557
1673	Dissociating linguistic and task-related activity in the left inferior frontal gyrus. <b>2011</b> , 23, 404-13		38
1672	Neuroanatomical spatial patterns in Turner syndrome. <i>NeuroImage</i> , <b>2011</b> , 55, 439-47	7.9	52
1671	Brain MAPS: an automated, accurate and robust brain extraction technique using a template library. <i>NeuroImage</i> , <b>2011</b> , 55, 1091-108	7.9	124
1670	Inter-rater reliability of manual and automated region-of-interest delineation for PiB PET. <i>NeuroImage</i> , <b>2011</b> , 55, 933-41	7.9	45
1669	Antemortem differential diagnosis of dementia pathology using structural MRI: Differential-STAND. <i>NeuroImage</i> , <b>2011</b> , 55, 522-31	7.9	74
1668	Dynamic causal modeling of cortical activity from the acute to the chronic stage after stroke. <i>NeuroImage</i> , <b>2011</b> , 55, 1147-58	7.9	213
1667	fMRI of the brainstem using dual-echo EPI. <i>NeuroImage</i> , <b>2011</b> , 55, 1593-9	7.9	38
1666	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , <b>2011</b> , 55, 1423-34	7.9	204
1665	Gray matter density increase in the primary sensorimotor cortex in long-term essential blepharospasm. <i>NeuroImage</i> , <b>2011</b> , 56, 1-7	7.9	31
1664	LoAd: a locally adaptive cortical segmentation algorithm. <i>NeuroImage</i> , <b>2011</b> , 56, 1386-97	7.9	72
1663	Multi-site voxel-based morphometry--not quite there yet. <i>NeuroImage</i> , <b>2011</b> , 56, 1164-70	7.9	71
1662	Reduced striatal volume in cocaine-dependent patients. <i>NeuroImage</i> , <b>2011</b> , 56, 1021-6	7.9	110
1661	Gray matter alterations in visual cortex of patients with loss of central vision due to hereditary retinal dystrophies. <i>NeuroImage</i> , <b>2011</b> , 56, 1556-65	7.9	44
1660	Dynamic assignment of neural resources in auditory comprehension of complex sentences. <i>NeuroImage</i> , <b>2011</b> , 56, 2310-20	7.9	50
1659	MRI detection of tissue pathology beyond atrophy in Alzheimer's disease: introducing T2-VBM. <i>NeuroImage</i> , <b>2011</b> , 56, 1946-53	7.9	20
1658	Manual, semi-automated, and automated delineation of chronic brain lesions: a comparison of methods. <i>NeuroImage</i> , <b>2011</b> , 56, 2038-46	7.9	79
1657	The impact of physiological noise correction on fMRI at 7 T. <i>NeuroImage</i> , <b>2011</b> , 57, 101-112	7.9	159

1656	Functional connectivity during light sleep is correlated with memory performance for face-location associations. <i>NeuroImage</i> , <b>2011</b> , 57, 262-270	7.9	41
1655	Non-Gaussian diffusion in human brain tissue at high b-factors as examined by a combined diffusion kurtosis and biexponential diffusion tensor analysis. <i>NeuroImage</i> , <b>2011</b> , 57, 1087-102	7.9	47
1654	A comparison of different automated methods for the detection of white matter lesions in MRI data. <i>NeuroImage</i> , <b>2011</b> , 57, 416-22	7.9	38
1653	Covert face recognition without the fusiform-temporal pathways. <i>NeuroImage</i> , <b>2011</b> , 57, 1162-76	7.9	31
1652	Distortion correction of high b-valued and high angular resolution diffusion images using iterative simulated images. <i>NeuroImage</i> , <b>2011</b> , 57, 968-78	7.9	20
1651	Associative memory deficits in mild cognitive impairment: the role of hippocampal formation. <i>NeuroImage</i> , <b>2011</b> , 57, 1331-42	7.9	42
1650	Probabilistic fibre tract analysis of cytoarchitecturally defined human inferior parietal lobule areas reveals similarities to macaques. <i>NeuroImage</i> , <b>2011</b> , 58, 362-80	7.9	181
1649	Emotion regulation and brain plasticity: expressive suppression use predicts anterior insula volume. <i>NeuroImage</i> , <b>2011</b> , 58, 10-5	7.9	79
1648	Effects of hardware heterogeneity on the performance of SVM Alzheimer's disease classifier. <i>NeuroImage</i> , <b>2011</b> , 58, 785-92	7.9	71
1647	Is left fronto-temporal connectivity essential for syntax? Effective connectivity, tractography and performance in left-hemisphere damaged patients. <i>NeuroImage</i> , <b>2011</b> , 58, 656-64	7.9	60
1646	Assessing language and visuospatial functions with one task: a "dual use" approach to performing fMRI in children. <i>NeuroImage</i> , <b>2011</b> , 58, 923-9	7.9	19
1645	Utilizing temporal information in fMRI decoding: classifier using kernel regression methods. <i>NeuroImage</i> , <b>2011</b> , 58, 560-71	7.9	22
1644	Amygdala and heart rate variability responses from listening to emotionally intense parts of a story. <i>NeuroImage</i> , <b>2011</b> , 58, 963-73	7.9	96
1643	A comprehensive testing protocol for MRI neuroanatomical segmentation techniques: Evaluation of a novel lateral ventricle segmentation method. <i>NeuroImage</i> , <b>2011</b> , 58, 1051-9	7.9	80
1642	Brain microstructural correlates of visuospatial choice reaction time in children. <i>NeuroImage</i> , <b>2011</b> , 58, 1090-100	7.9	24
1641	Correlated structural and functional brain abnormalities in the default mode network in schizophrenia patients. <b>2011</b> , 125, 101-9		79
1640	A broad cortical reserve accelerates response to cognitive enhancement therapy in early course schizophrenia. <b>2011</b> , 130, 123-9		62
1639	Microstructural alterations of the arcuate fasciculus in schizophrenia patients with frequent auditory verbal hallucinations. <b>2011</b> , 130, 68-77		73

1638	The insula-claustrum region and delusions in schizophrenia. <b>2011</b> , 133, 77-81		48
1637	Brain axonal and myelin evaluation in heart failure. <b>2011</b> , 307, 106-13		80
1636	Brain volume changes in Parkinson's disease and their relationship with cognitive and behavioural abnormalities. <b>2011</b> , 310, 64-9		57
1635	Kernel regression for fMRI pattern prediction. <i>NeuroImage</i> , <b>2011</b> , 56, 662-73	7.9	55
1634	Brain mapping of psychological processes with psychometric scales: an fMRI method for social neuroscience. <i>NeuroImage</i> , <b>2011</b> , 54 Suppl 1, S263-71	7.9	13
1633	Exposure to parental verbal abuse is associated with increased gray matter volume in superior temporal gyrus. <i>NeuroImage</i> , <b>2011</b> , 54 Suppl 1, S280-6	7.9	121
1632	Automatic classification of patients with Alzheimer's disease from structural MRI: a comparison of ten methods using the ADNI database. <i>NeuroImage</i> , <b>2011</b> , 56, 766-81	7.9	689
1631	BA3b and BA1 activate in a serial fashion after median nerve stimulation: direct evidence from combining source analysis of evoked fields and cytoarchitectonic probabilistic maps. <i>NeuroImage</i> , <b>2011</b> , 54, 60-73	7.9	46
1630	Interactive effects of physical activity and APOE- $\epsilon$ 4 on BOLD semantic memory activation in healthy elders. <i>NeuroImage</i> , <b>2011</b> , 54, 635-44	7.9	87
1629	Investigating brain response to music: a comparison of different fMRI acquisition schemes. <i>NeuroImage</i> , <b>2011</b> , 54, 337-43	7.9	49
1628	Regional reproducibility of pulsed arterial spin labeling perfusion imaging at 3T. <i>NeuroImage</i> , <b>2011</b> , 54, 1188-95	7.9	75
1627	The structure and connectivity of semantic memory in the healthy older adult brain. <i>NeuroImage</i> , <b>2011</b> , 54, 1488-94	7.9	69
1626	Time-to-event voxel-based techniques to assess regional atrophy associated with MCI risk of progression to AD. <i>NeuroImage</i> , <b>2011</b> , 54, 985-91	7.9	22
1625	Structural brain alterations associated with dyslexia predate reading onset. <i>NeuroImage</i> , <b>2011</b> , 57, 742-97.9		172
1624	A comparison of MR based segmentation methods for measuring brain atrophy progression. <i>NeuroImage</i> , <b>2011</b> , 54, 760-8	7.9	44
1623	A dynamic 4D probabilistic atlas of the developing brain. <i>NeuroImage</i> , <b>2011</b> , 54, 2750-63	7.9	213
1622	Unified segmentation based correction of R1 brain maps for RF transmit field inhomogeneities (UNICORT). <i>NeuroImage</i> , <b>2011</b> , 54, 2116-24	7.9	121
1621	Voxel-based morphometry studies of personality: issue of statistical model specification--effect of nuisance covariates. <i>NeuroImage</i> , <b>2011</b> , 54, 1994-2005	7.9	99

1620	βAmyloid affects frontal and posterior brain networks in normal aging. <i>NeuroImage</i> , <b>2011</b> , 54, 1887-95	7.9	90
1619	Imaging the deep cerebellar nuclei: a probabilistic atlas and normalization procedure. <i>NeuroImage</i> , <b>2011</b> , 54, 1786-94	7.9	226
1618	Incongruence effects in crossmodal emotional integration. <i>NeuroImage</i> , <b>2011</b> , 54, 2257-66	7.9	77
1617	Population-averaged standard template brain atlas for the common marmoset ( <i>Callithrix jacchus</i> ). <i>NeuroImage</i> , <b>2011</b> , 54, 2741-9	7.9	74
1616	Prefrontal cortical abnormalities in currently depressed versus currently remitted patients with major depressive disorder. <i>NeuroImage</i> , <b>2011</b> , 54, 2643-51	7.9	142
1615	Multi-parametric neuroimaging reproducibility: a 3-T resource study. <i>NeuroImage</i> , <b>2011</b> , 54, 2854-66	7.9	228
1614	Frequency-dependent changes in the amplitude of low-frequency fluctuations in amnesic mild cognitive impairment: a resting-state fMRI study. <i>NeuroImage</i> , <b>2011</b> , 55, 287-95	7.9	324
1613	Quantification of receptor-ligand binding potential in sub-striatal domains using probabilistic and template regions of interest. <i>NeuroImage</i> , <b>2011</b> , 55, 101-12	7.9	8
1612	Segmentation priors from local image properties: without using bias field correction, location-based templates, or registration. <i>NeuroImage</i> , <b>2011</b> , 55, 142-52	7.9	10
1611	Diffeomorphic registration using geodesic shooting and Gauss-Newton optimisation. <i>NeuroImage</i> , <b>2011</b> , 55, 954-67	7.9	231
1610	A combined accelerator mass spectrometry-positron emission tomography human microdose study with <sup>14</sup> C- and <sup>11</sup> C-labelled verapamil. <b>2011</b> , 50, 111-20		29
1609	Simultaneous segmentation and inhomogeneity correction in magnetic resonance images. <b>2011</b> , 2011, 8045-8		2
1608	The role of the contralesional motor cortex for motor recovery in the early days after stroke assessed with longitudinal FMRI. <b>2011</b> , 21, 756-68		229
1607	Brain tissue segmentation in PET-CT images using probabilistic atlas and variational Bayes inference. <b>2011</b> , 2011, 7969-72		2
1606	Abnormal functional lateralization and activity of language brain areas in typical specific language impairment (developmental dysphasia). <b>2011</b> , 134, 3044-58		89
1605	Meditation experience is associated with differences in default mode network activity and connectivity. <b>2011</b> , 108, 20254-9		717
1604	A discriminative model-constrained EM approach to 3D MRI brain tissue classification and intensity non-uniformity correction. <b>2011</b> , 56, 3269-300		16
1603	Brain Imaging in Behavioral Medicine and Clinical Neuroscience. <b>2011</b> ,		5

1602	Magnetic Resonance Neuroimaging. <b>2011</b> ,	7
1601	Structural and Functional Neuroimaging Methods: Applications to Substance Abuse and Addiction. <b>2011</b> , 37-82	1
1600	Effect of APOE $\epsilon$ status on intrinsic network connectivity in cognitively normal elderly subjects. <b>2011</b> , 68, 1131-6	176
1599	Medical Image Computing and Computer-Assisted Intervention [MICCAI 2011]. <b>2011</b> ,	8
1598	Neural response to the behaviorally relevant absence of anticipated outcomes and the presentation of potentially harmful stimuli: A human fMRI study. <b>2011</b> , 47, 191-201	13
1597	Patterns of breakdown in spelling in primary progressive aphasia. <b>2011</b> , 47, 342-52	38
1596	When the brain remembers, but the patient doesn't: converging fMRI and EEG evidence for covert recognition in a case of prosopagnosia. <b>2011</b> , 47, 825-38	12
1595	Altered white matter integrity and development in children with autism: a combined voxel-based morphometry and diffusion imaging study. <b>2011</b> , 84, 189-95	58
1594	Reduced cortical gray matter volume in male adolescents with substance and conduct problems. <b>2011</b> , 118, 295-305	52
1593	Mental time travel into the past and the future in healthy aged adults: an fMRI study. <b>2011</b> , 75, 1-9	93
1592	ACE I/D polymorphism affects cognitive function and gray-matter volume in amnesic mild cognitive impairment. <b>2011</b> , 218, 114-20	8
1591	Neural correlates of performance on the different scoring systems of the clock drawing test. <b>2011</b> , 487, 421-5	25
1590	Overlapping clusters of gray matter deficits in paranoid schizophrenia and psychotic bipolar mania with family history. <b>2011</b> , 489, 94-8	32
1589	Alexithymia and regional gray matter alterations in schizophrenia. <b>2011</b> , 70, 206-13	31
1588	Effects of low-level sarin and cyclosarin exposure and Gulf War Illness on brain structure and function: a study at 4T. <b>2011</b> , 32, 814-22	62
1587	Focal brain atrophy in gastric bypass patients with cognitive complaints. <b>2011</b> , 18, 1671-6	8
1586	Structural abnormalities of the thalamus in juvenile myoclonic epilepsy. <b>2011</b> , 21, 407-11	26
1585	A voxel-based morphometric MRI study of stabilized obsessive-compulsive adolescent patients. <b>2011</b> , 35, 1863-9	16

1584	Associations between cognitive, functional, and FDG-PET measures of decline in AD and MCI. <b>2011</b> , 32, 1207-18	493
1583	Physical activity and memory functions: an interventional study. <b>2011</b> , 32, 1304-19	322
1582	Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. <b>2011</b> , 32, 1466-76	138
1581	Temporoparietal atrophy: a marker of AD pathology independent of clinical diagnosis. <b>2011</b> , 32, 1531-41	77
1580	Gray matter alterations in parosmia. <b>2011</b> , 177, 177-82	25
1579	Altered default network activity in obesity. <b>2011</b> , 19, 2316-21	66
1578	Reduced dorsal prefrontal gray matter after chronic ketamine use. <b>2011</b> , 69, 42-8	105
1577	Implicit phonological priming during visual word recognition. <i>NeuroImage</i> , <b>2011</b> , 55, 724-31	7.9 23
1576	White matter damage in primary progressive aphasia: a diffusion tensor tractography study. <b>2011</b> , 134, 3011-29	235
1575	Task deactivation reductions and atrophy within parietal default mode regions are overlapping but only weakly correlated in mild cognitive impairment. <b>2011</b> , 27, 415-27	7
1574	Neural correlates of lexical-semantic memory: A voxel-based morphometry study in mild AD, aMCI and normal aging. <b>2011</b> , 5, 69-77	1
1573	Children's Brain Development Benefits from Longer Gestation. <b>2011</b> , 2, 1	639
1572	Individual differences in audio-vocal speech imitation aptitude in late bilinguals: functional neuro-imaging and brain morphology. <b>2011</b> , 2, 271	62
1571	Maternal neural responses to infant cries and faces: relationships with substance use. <b>2011</b> , 2, 32	88
1570	Cerebellar and visual gray matter brain volume increases in congenital nystagmus. <b>2011</b> , 2, 60	8
1569	Error-related functional connectivity of the habenula in humans. <b>2011</b> , 5, 25	70
1568	A Data-Driven Investigation of Gray Matter-Function Correlations in Schizophrenia during a Working Memory Task. <b>2011</b> , 5, 71	20
1567	A Parametric Empirical Bayesian Framework for the EEG/MEG Inverse Problem: Generative Models for Multi-Subject and Multi-Modal Integration. <b>2011</b> , 5, 76	72



1566	Changes in cognitive state alter human functional brain networks. <b>2011</b> , 5, 83	79
1565	High dimensional classification of structural MRI Alzheimer's disease data based on large scale regularization. <b>2011</b> , 5, 22	60
1564	An in vivo MRI Template Set for Morphometry, Tissue Segmentation, and fMRI Localization in Rats. <b>2011</b> , 5, 26	140
1563	A baseline for the multivariate comparison of resting-state networks. <b>2011</b> , 5, 2	895
1562	Mapping the structural brain changes in Alzheimer's disease: the independent contribution of two imaging modalities. <b>2011</b> , 26 Suppl 3, 263-74	35
1561	Quantifying the link between anatomical connectivity, gray matter volume and regional cerebral blood flow: an integrative MRI study. <b>2011</b> , 6, e14801	34
1560	Combined evaluation of FDG-PET and MRI improves detection and differentiation of dementia. <b>2011</b> , 6, e18111	106
1559	Moral concepts set decision strategies to abstract values. <b>2011</b> , 6, e18451	12
1558	Gene x disease interaction on orbitofrontal gray matter in cocaine addiction. <b>2011</b> , 68, 283-94	88
1557	Hemodynamic signals of mixed messages during a social exchange. <b>2011</b> , 22, 413-8	6
1556	Making Sense of Autism Spectrum Disorders. <b>2011</b> , 32, 168	
1555	Lessons about neurodevelopment from anatomical magnetic resonance imaging. <b>2011</b> , 32, 158-68	43
1554	Response inhibition or salience detection in the right ventrolateral prefrontal cortex?. <b>2011</b> , 22, 778-82	6
1553	Rapid online language mapping with electrocorticography. <b>2011</b> , 7, 482-90	48
1552	Disentangling structural brain alterations associated with violent behavior from those associated with substance use disorders. <b>2011</b> , 68, 1039-49	96
1551	Grey-matter atrophy in Alzheimer's disease is asymmetric but not lateralized. <b>2011</b> , 25, 347-57	92
1550	Effects of vision restoration training on early visual cortex in patients with cerebral blindness investigated with functional magnetic resonance imaging. <b>2011</b> , 105, 872-82	25
1549	Effects of alcoholism and continued abstinence on brain volumes in both genders. <b>2011</b> , 35, 1678-85	68

1548	The neural basis of illusory gustatory sensations: two rare cases of lexical-gustatory synaesthesia. <b>2011</b> , 5, 243-54	26
1547	Perceived threat predicts the neural sequelae of combat stress. <b>2011</b> , 16, 664-71	110
1546	Clinical, electrophysiological, and MRI findings in patients with cerebellar ataxia and a bilaterally pathological head-impulse test. <b>2011</b> , 1233, 127-38	49
1545	On the convergence of EM-like algorithms for image segmentation using Markov random fields. <b>2011</b> , 15, 830-9	34
1544	Spatial regularization of SVM for the detection of diffusion alterations associated with stroke outcome. <b>2011</b> , 15, 729-37	50
1543	Iterative algorithm for spatial and intensity normalization of MEMRI images. Application to tract-tracing of rat olfactory pathways. <b>2011</b> , 29, 1304-16	6
1542	Visual search patterns in semantic dementia show paradoxical facilitation of binding processes. <b>2011</b> , 49, 468-78	31
1541	Reprint of: Fear-enhanced visual search persists after amygdala lesions. <b>2011</b> , 49, 596-601	2
1540	Modulation of working-memory maintenance by directed attention. <b>2011</b> , 49, 1569-77	76
1539	Hippocampal dysfunction in patients with mild cognitive impairment: a functional neuroimaging study of a visuospatial paired associates learning task. <b>2011</b> , 49, 2060-70	117
1538	Acute effects of nicotine administration during prospective memory, an event related fMRI study. <b>2011</b> , 49, 2362-8	22
1537	Attentional capture by emotional stimuli is preserved in patients with amygdala lesions. <b>2011</b> , 49, 3314-9	49
1536	Inferior frontal sensitivity to common speech sounds is amplified by increasing word intelligibility. <b>2011</b> , 49, 3563-72	9
1535	Non-uniformity correction of human brain imaging at high field by RF field mapping of B1+ and B1-. <b>2011</b> , 212, 426-30	11
1534	Altered brain function directly related to structural abnormalities in people at ultra high risk of psychosis: longitudinal VBM-fMRI study. <b>2011</b> , 45, 190-8	79
1533	Cerebellar hyperactivity during smooth pursuit eye movements in bipolar disorder. <b>2011</b> , 45, 670-7	7
1532	Reduced cerebellar left hemisphere and vermal volume in adults with PTSD from a community sample. <b>2011</b> , 45, 1627-33	57
1531	Variant in oxytocin receptor gene is associated with amygdala volume. <b>2011</b> , 36, 891-7	111

1530	Anterior cingulate cortex gray matter abnormalities in adults with attention deficit hyperactivity disorder: a voxel-based morphometry study. <b>2011</b> , 191, 31-5	69
1529	Voxel-based morphometric analysis on the volume of gray matter in bipolar I disorder. <b>2011</b> , 191, 92-7	29
1528	Maximum-uncertainty linear discrimination analysis of first-episode schizophrenia subjects. <b>2011</b> , 191, 174-81	34
1527	Magnetic resonance spectroscopy of the anterior cingulate cortex in eating disorders. <b>2011</b> , 191, 196-200	15
1526	Neurological signs and morphological cerebral changes in schizophrenia: An analysis of NSS subscales in patients with first episode psychosis. <b>2011</b> , 192, 69-76	52
1525	Altered fimbria-fornix white matter integrity in anorexia nervosa predicts harm avoidance. <b>2011</b> , 192, 109-16	70
1524	Voxel-based morphometry of patients with schizophrenia or bipolar I disorder: a matched control study. <b>2011</b> , 194, 149-56	39
1523	Multicenter stability of diffusion tensor imaging measures: a European clinical and physical phantom study. <b>2011</b> , 194, 363-371	84
1522	Extensive abnormality of brain white matter integrity in pathological gambling. <b>2011</b> , 194, 340-346	104
1521	Component analysis approach to estimation of tissue intensity distributions of 3D images. <b>2011</b> , 30, 838-48	6
1520	Diffeomorphic brain registration under exhaustive sulcal constraints. <b>2011</b> , 30, 1214-27	54
1519	Bias field inconsistency correction of motion-scattered multislice MRI for improved 3D image reconstruction. <b>2011</b> , 30, 1704-12	23
1518	Restraint of appetite and reduced regional brain volumes in anorexia nervosa: a voxel-based morphometric study. <b>2011</b> , 11, 179	84
1517	Cortical thickness and VBM-DARTEL in late-life depression. <b>2011</b> , 133, 158-64	43
1516	Is cerebellar volume related to bipolar disorder?. <b>2011</b> , 135, 305-9	77
1515	Opposite effects of suicidality and lithium on gray matter volumes in bipolar depression. <b>2011</b> , 135, 139-47	106
1514	A review of atlas-based segmentation for magnetic resonance brain images. <b>2011</b> , 104, e158-77	257
1513	Acquiring "the Knowledge" of London's layout drives structural brain changes. <b>2011</b> , 21, 2109-14	351

1512	Automated quantitative FLAIR analysis in hippocampal sclerosis. <b>2011</b> , 97, 146-56	33
1511	Seeing Chinese characters in action: an fMRI study of the perception of writing sequences. <b>2011</b> , 119, 60-7	12
1510	BOLD response to motion verbs in left posterior middle temporal gyrus during story comprehension. <b>2011</b> , 119, 221-5	68
1509	Neural correlates in the processing of phoneme-level complexity in vowel production. <b>2011</b> , 119, 158-66	15
1508	Neuroanatomical changes due to hearing loss and chronic tinnitus: a combined VBM and DTI study. <b>2011</b> , 1369, 74-88	194
1507	Differential effects of intrauterine growth restriction on brain structure and development in preterm infants: a magnetic resonance imaging study. <b>2011</b> , 1382, 98-108	118
1506	Methylphenidate does not improve interference control during a working memory task in young patients with attention-deficit hyperactivity disorder. <b>2011</b> , 1388, 56-68	29
1505	Altered gray matter morphometry and resting-state functional and structural connectivity in social anxiety disorder. <b>2011</b> , 1388, 167-77	114
1504	The synchronization of spontaneous BOLD activity predicts extraversion and neuroticism. <b>2011</b> , 1419, 68-75	43
1503	Aberrations in the arcuate fasciculus are associated with auditory verbal hallucinations in psychotic and in non-psychotic individuals. <b>2013</b> , 34, 626-34	59
1502	Voxel-based morphometry findings in Alzheimer's disease: neuropsychiatric symptoms and disability correlations - preliminary results. <b>2011</b> , 66, 1045-50	15
1501	Linking coordinative and executive dysfunctions to atrophy in spinocerebellar ataxia 2 patients. <b>2011</b> , 216, 275-88	36
1500	Localized gray matter volume abnormalities in generalized anxiety disorder. <b>2011</b> , 261, 303-7	110
1499	Different gray matter patterns in chronic schizophrenia and chronic bipolar disorder patients identified using voxel-based morphometry. <b>2011</b> , 261, 313-22	36
1498	In vivo demonstration of amyloid burden in posterior cortical atrophy: a case series with PET and CSF findings. <b>2011</b> , 258, 1841-51	54
1497	Development of a full body CAD dataset for computational modeling: a multi-modality approach. <b>2011</b> , 39, 2568-83	96
1496	Relationship between brain abnormalities and cognitive profile in Williams syndrome. <b>2011</b> , 41, 394-402	23
1495	Elevated gray and white matter densities in cocaine abstiners compared to current users. <b>2011</b> , 218, 681-92	70

1494	Entorhinal cortex volume measured with 3T MRI is positively correlated with the Wechsler Memory Scale-Revised logical/verbal memory score for healthy subjects. <b>2011</b> , 53, 617-22	18
1493	Design and construction of a brain phantom to simulate neonatal MR images. <b>2011</b> , 35, 237-50	3
1492	A non-local fuzzy segmentation method: Application to brain MRI. <b>2011</b> , 44, 1916-1927	89
1491	An open source multivariate framework for n-tissue segmentation with evaluation on public data. <b>2011</b> , 9, 381-400	340
1490	Imaging signatures of molecular pathology in behavioral variant frontotemporal dementia. <b>2011</b> , 45, 372-8	49
1489	Positive effects of language treatment for the logopenic variant of primary progressive aphasia. <b>2011</b> , 45, 724-36	95
1488	Accelerated hippocampal volume reduction in post-menopausal women: an additional study with Atlas-based method. <b>2011</b> , 4, 185-8	8
1487	Use of normative distribution of gray to white matter ratio in orthogonal planes in human brain studies and computer-assisted neuroradiology. <b>2011</b> , 6, 489-505	3
1486	Neural correlates of impulsivity factors in psychiatric patients and healthy volunteers: a voxel-based morphometry study. <b>2011</b> , 5, 52-64	15
1485	Lin4Neuro: a customized Linux distribution ready for neuroimaging analysis. <b>2011</b> , 11, 3	15
1484	Causes and consequences of cerebral small vessel disease. The RUN DMC study: a prospective cohort study. Study rationale and protocol. <b>2011</b> , 11, 29	117
1483	A fully-automatic caudate nucleus segmentation of brain MRI: application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. <b>2011</b> , 10, 105	20
1482	3 Tesla MRI detects accelerated hippocampal volume reduction in postmenopausal women. <b>2011</b> , 33, 48-53	32
1481	Preliminary evidence of altered gray and white matter microstructural development in the frontal lobe of adolescents with attention-deficit hyperactivity disorder: a diffusional kurtosis imaging study. <b>2011</b> , 33, 17-23	128
1480	Effect of scanner in longitudinal studies of brain volume changes. <b>2011</b> , 34, 438-44	56
1479	Ventilation-based segmentation of the lungs using hyperpolarized (3)He MRI. <b>2011</b> , 34, 831-41	48
1478	Gray matter correlates of behavioral severity in progressive supranuclear palsy. <b>2011</b> , 26, 493-8	37
1477	Increased prefrontal volume in PD with levodopa-induced dyskinesias: a voxel-based morphometry study. <b>2011</b> , 26, 807-12	53

1476	Cortical gray matter changes in primary blepharospasm: a voxel-based morphometry study. <b>2011</b> , 26, 1907-12	44
1475	Identification of signal bias in the variable flip angle method by linear display of the algebraic Ernst equation. <b>2011</b> , 66, 669-77	24
1474	Test-retest reliability and reproducibility of short-echo-time spectroscopic imaging of human brain at 3T. <b>2011</b> , 66, 324-32	42
1473	Noradrenergic enhancement improves motor network connectivity in stroke patients. <b>2011</b> , 69, 375-88	91
1472	Total brain white matter is a major determinant of IQ in adolescents born preterm. <b>2011</b> , 69, 702-11	69
1471	Dehydration affects brain structure and function in healthy adolescents. <b>2011</b> , 32, 71-9	104
1470	Diffusion tensor-based regional gray matter tissue segmentation using the international consortium for brain mapping atlases. <b>2011</b> , 32, 107-17	17
1469	CENTS: cortical enhanced neonatal tissue segmentation. <b>2011</b> , 32, 382-96	34
1468	Cortical organization of environmental sounds by attribute. <b>2011</b> , 32, 688-98	3
1467	Pramipexole modulates the neural network of reward anticipation. <b>2011</b> , 32, 800-11	68
1466	Topological correction of brain surface meshes using spherical harmonics. <b>2011</b> , 32, 1109-24	89
1465	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
1464	Regional and hemispheric determinants of language laterality: implications for preoperative fMRI. <b>2011</b> , 32, 1602-14	43
1463	Spatial patterns of intrinsic brain activity in mild cognitive impairment and Alzheimer's disease: a resting-state functional MRI study. <b>2011</b> , 32, 1720-40	197
1462	Gray and white matter asymmetries in healthy individuals aged 21-29 years: a voxel-based morphometry and diffusion tensor imaging study. <b>2011</b> , 32, 1762-73	89
1461	Clinical functional MRI of the language domain in children with epilepsy. <b>2011</b> , 32, 1882-93	21
1460	Localization of cerebral functional deficits in patients with non-neuropsychiatric systemic lupus erythematosus. <b>2011</b> , 32, 1847-55	27
1459	Enhanced right amygdala activity in adolescents during encoding of positively valenced pictures. <b>2011</b> , 1, 88-99	26

1458	Cortical sulci recognition and spatial normalization. <b>2011</b> , 15, 529-50	82
1457	Development of T2-relaxation values in regional brain sites during adolescence. <b>2011</b> , 29, 185-93	31
1456	Diffusion tensor imaging and gait in elderly persons with cerebral small vessel disease. <b>2011</b> , 42, 373-9	42
1455	Leucoaraiosis, nigrostriatal denervation and motor symptoms in Parkinson's disease. <b>2011</b> , 134, 2358-65	91
1454	Thalamocortical connectivity in healthy children: asymmetries and robust developmental changes between ages 8 and 17 years. <b>2011</b> , 32, 962-9	24
1453	Reduced functional connectivity during working memory in Turner syndrome. <b>2011</b> , 21, 2471-81	39
1452	Arterial spin labelling reveals an abnormal cerebral perfusion pattern in Parkinson's disease. <b>2011</b> , 134, 845-55	134
1451	Association of frontal and posterior cortical gray matter volume with time to alcohol relapse: a prospective study. <b>2011</b> , 168, 183-92	146
1450	A method for anisotropic spatial smoothing of functional magnetic resonance images using distance transformation of a structural image. <b>2011</b> , 56, 5063-77	4
1449	EEG and MEG data analysis in SPM8. <b>2011</b> , 2011, 852961	398
1448	Progressive regional atrophy in normal adults with a maternal history of Alzheimer disease. <b>2011</b> , 76, 822-9	76
1447	Association of schizophrenia in 22q11.2 deletion syndrome and gray matter volumetric deficits in the superior temporal gyrus. <b>2011</b> , 168, 522-9	45
1446	Modality-specific perceptual expectations selectively modulate baseline activity in auditory, somatosensory, and visual cortices. <b>2011</b> , 21, 2850-62	103
1445	A longitudinal proton magnetic resonance spectroscopy study of mild traumatic brain injury. <b>2011</b> , 28, 1-11	126
1444	Modeling anatomical heterogeneity in populations. <b>2011</b> ,	
1443	Atrophy outcomes in multicentre clinical trials on Alzheimer's disease: effect of different processing and analysis approaches on sample sizes. <b>2011</b> , 12 Suppl 1, 109-13	6
1442	Impact of Markov Random Field optimizer on MRI-based tissue segmentation in the aging brain. <b>2011</b> , 2011, 7812-5	
1441	Towards a diffusion image processing validation and accuracy prediction framework. <b>2011</b> ,	

1440	Frontotemporal connections in episodic memory and aging: a diffusion MRI tractography study. <b>2011</b> , 31, 13236-45	165
1439	Classification of Alzheimer's Disease from structural MRI using sparse logistic regression with optional spatial regularization. <b>2011</b> , 2011, 4499-502	14
1438	Cigarette smoking is associated with reduced microstructural integrity of cerebral white matter. <b>2011</b> , 134, 2116-24	109
1437	Endogenous testosterone modulates prefrontal-amygdala connectivity during social emotional behavior. <b>2011</b> , 21, 2282-90	170
1436	Loss of white matter integrity is associated with gait disorders in cerebral small vessel disease. <b>2011</b> , 134, 73-83	188
1435	Comparison of the Unified Segmentation Method and the New Segmentation Method on Detection of Grey Matter and White Matter Changes in Alzheimer's Disease Based on Voxel-Based Morphometry. <b>2011</b> , 301-303, 1189-1195	
1434	Effects of modality on the neural correlates of encoding processes supporting recollection and familiarity. <b>2011</b> , 18, 565-73	7
1433	Voxelwise assessment of the regional distribution of damage in the brains of patients with multiple sclerosis and fatigue. <b>2011</b> , 32, 874-9	63
1432	Hearing loss in older adults affects neural systems supporting speech comprehension. <b>2011</b> , 31, 12638-43	266
1431	Functional MRI-based identification of brain areas involved in motor imagery for implantable brain-computer interfaces. <b>2011</b> , 8, 025007	42
1430	Correlation between progressive changes in piriform cortex and olfactory performance in early Parkinson's disease. <b>2011</b> , 66, 98-105	42
1429	Dissociable effects of top-down and bottom-up attention during episodic encoding. <b>2011</b> , 31, 12613-28	97
1428	A stable sparse fear memory trace in human amygdala. <b>2011</b> , 31, 9383-9	56
1427	Different forms of self-control share a neurocognitive substrate. <b>2011</b> , 31, 4805-10	162
1426	Physical and perceptual factors shape the neural mechanisms that integrate audiovisual signals in speech comprehension. <b>2011</b> , 31, 11338-50	42
1425	The effects of blood vessels on electrocorticography. <b>2011</b> , 8, 044002	11
1424	The neuroanatomical substrate of lexical-semantic decline in MCI APOE $\epsilon$ carriers and noncarriers. <b>2011</b> , 25, 230-41	7
1423	Regional brain atrophy and impaired decision making on the balloon analog risk task in behavioral variant frontotemporal dementia. <b>2011</b> , 24, 59-67	19



1422	Regional brain atrophy and functional disconnection across Alzheimer's disease evolution. <b>2011</b> , 82, 58-66	181
1421	Simulation of near-infrared light absorption considering individual head and prefrontal cortex anatomy: implications for optical neuroimaging. <b>2011</b> , 6, e26377	162
1420	Prospectively determined impact of type 1 diabetes on brain volume during development. <b>2011</b> , 60, 3006-14	67
1419	Emotional reactivity in chronic schizophrenia: structural and functional brain correlates and the influence of adverse childhood experiences. <b>2011</b> , 41, 509-19	47
1418	Baseline brain metabolism in resistant depression and response to transcranial magnetic stimulation. <b>2011</b> , 36, 2710-9	37
1417	A voxel-based morphometry study of grey matter loss in fragile X-associated tremor/ataxia syndrome. <b>2011</b> , 134, 863-78	74
1416	Abnormalities in connectivity of white-matter tracts in patients with familial and non-familial schizophrenia. <b>2011</b> , 41, 1691-700	33
1415	Volumes of lateral temporal and parietal structures distinguish between healthy aging, mild cognitive impairment, and Alzheimer's disease. <b>2011</b> , 26, 719-34	33
1414	Neuronal dysfunction and disconnection of cortical hubs in non-demented subjects with elevated amyloid burden. <b>2011</b> , 134, 1635-46	280
1413	Topologically correct cortical segmentation using Khalimsky's cubic complex framework. <b>2011</b> ,	1
1412	Probabilistic framework for subject-specific and population-based analysis of longitudinal changes and disease progression in brain MR images. <b>2011</b> ,	
1411	Predicting functional decline in behavioural variant frontotemporal dementia. <b>2011</b> , 134, 432-48	35
1410	Atrophy, hypometabolism and white matter abnormalities in semantic dementia tell a coherent story. <b>2011</b> , 134, 2025-35	152
1409	Acute visual neglect and extinction: distinct functional state of the visuospatial attention system. <b>2011</b> , 134, 3310-25	66
1408	Left parietal regions are critical for adaptive visuomotor control. <b>2011</b> , 31, 6972-81	87
1407	Learning new color names produces rapid increase in gray matter in the intact adult human cortex. <b>2011</b> , 108, 6686-8	71
1406	Long-term music training tunes how the brain temporally binds signals from multiple senses. <b>2011</b> , 108, E1441-50	103
1405	Improved generation of probabilistic atlases for the expectation maximization classification. <b>2011</b> ,	4

1404	Regional analysis of FDG-PET for use in the classification of Alzheimer'S Disease. <b>2011</b> ,	14
1403	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS). <b>2011</b> ,	3
1402	. <b>2011</b> ,	
1401	Sex- and brain size-related small-world structural cortical networks in young adults: a DTI tractography study. <b>2011</b> , 21, 449-58	201
1400	Effects of preterm birth on cortical thickness measured in adolescence. <b>2011</b> , 21, 300-6	55
1399	Structural MRI correlates for vulnerability and resilience to major depressive disorder. <b>2011</b> , 36, 15-22	194
1398	Brain activity at rest: a multiscale hierarchical functional organization. <b>2011</b> , 105, 2753-63	219
1397	Integration of sensory and motor representations of single fingers in the human cerebellum. <b>2011</b> , 105, 3042-53	80
1396	Morphometric differences in the Heschl's gyrus of hearing impaired and normal hearing infants. <b>2011</b> , 21, 991-8	46
1395	The topography of brain microstructural damage in amyotrophic lateral sclerosis assessed using diffusion tensor MR imaging. <b>2011</b> , 32, 1307-14	49
1394	Amygdala involvement in self-blame regret. <b>2011</b> , 6, 178-89	33
1393	A role for the striatum in regret-related choice repetition. <b>2011</b> , 23, 845-56	20
1392	Pervasive microstructural abnormalities in autism: a DTI study. <b>2011</b> , 36, 32-40	87
1391	Structural alterations in lateral prefrontal, parietal and posterior midline regions of men with chronic posttraumatic stress disorder. <b>2011</b> , 36, 176-86	78
1390	White matter damage in Alzheimer disease and its relationship to gray matter atrophy. <b>2011</b> , 258, 853-63	212
1389	Long-term intellectual outcome after temporal lobe surgery in childhood. <b>2011</b> , 76, 1330-7	175
1388	Validation of automated white matter hyperintensity segmentation. <b>2011</b> , 2011, 391783	23
1387	The impact of lesion in-painting and registration methods on voxel-based morphometry in detecting regional cerebral gray matter atrophy in multiple sclerosis. <b>2012</b> , 33, 1579-85	58

1386	Axonal integrity predicts cortical reorganisation following cervical injury. <b>2012</b> , 83, 629-37	53
1385	Regional gray matter atrophy in patients with Parkinson disease and freezing of gait. <b>2012</b> , 33, 1804-9	89
1384	Aberrant paralimbic gray matter in criminal psychopathy. <b>2012</b> , 121, 649-58	144
1383	Attention supports verbal short-term memory via competition between dorsal and ventral attention networks. <b>2012</b> , 22, 1086-97	61
1382	Comparison of brain volume abnormalities between ADHD and conduct disorder in adolescence. <b>2012</b> , 37, 389-98	41
1381	Neuroimaging signatures of frontotemporal dementia genetics: C9ORF72, tau, progranulin and sporadics. <b>2012</b> , 135, 794-806	306
1380	Evidence for astrocytosis in prodromal Alzheimer disease provided by 11C-deuterium-L-deprenyl: a multitracer PET paradigm combining 11C-Pittsburgh compound B and 18F-FDG. <b>2012</b> , 53, 37-46	287
1379	N-acetylcysteine normalizes glutamate levels in cocaine-dependent patients: a randomized crossover magnetic resonance spectroscopy study. <b>2012</b> , 37, 2143-52	109
1378	Structural angle and power images reveal interrelated gray and white matter abnormalities in schizophrenia. <b>2012</b> , 2012, 735249	6
1377	Emotional appraisal is influenced by cardiac afferent information. <b>2012</b> , 12, 180-91	111
1376	Ventral and dorsal stream interactions during the perception of the Müller-Lyer illusion: evidence derived from fMRI and dynamic causal modeling. <b>2012</b> , 24, 2015-29	26
1375	Analysis of electrodes' placement and deformation in deep brain stimulation from medical images. <b>2012</b> ,	1
1374	The neural bases of grapheme-color synesthesia are not localized in real color-sensitive areas. <b>2012</b> , 22, 1622-33	67
1373	Caudate gray matter volume in obsessive-compulsive disorder is influenced by adverse childhood experiences and ongoing drug treatment. <b>2012</b> , 32, 544-7	20
1372	White-matter connectivity between face-responsive regions in the human brain. <b>2012</b> , 22, 1564-76	200
1371	White matter aberrations in prepubertal estrogen-naive girls with monosomic Turner syndrome. <b>2012</b> , 22, 2761-8	27
1370	Selective decreased grey matter volume of the pain-matrix network in cluster headache. <b>2012</b> , 32, 109-15	83
1369	Word intelligibility and age predict visual cortex activity during word listening. <b>2012</b> , 22, 1360-71	26

1368	Decreased cortical thickness in central hypoventilation syndrome. <b>2012</b> , 22, 1728-37	13
1367	Identification of successful clinical fMRI sessions in children: an objective approach. <b>2012</b> , 43, 249-57	8
1366	Severe olfactory dysfunction is a prodromal symptom of dementia associated with Parkinson's disease: a 3 year longitudinal study. <b>2012</b> , 135, 161-9	204
1365	Characterization of frontotemporal dementia and/or amyotrophic lateral sclerosis associated with the GGGGCC repeat expansion in C9ORF72. <b>2012</b> , 135, 765-83	277
1364	Dopamine and performance in a reinforcement learning task: evidence from Parkinson's disease. <b>2012</b> , 135, 1871-83	115
1363	Persistent $\alpha$ -nicotinic acetylcholinergic receptor dysfunction in major depressive disorder. <b>2012</b> , 169, 851-9	82
1362	Distribution of cortical benzodiazepine receptor binding in right-handed healthy humans: a voxel-based statistical analysis of iodine 123 iomazenil SPECT with partial volume correction. <b>2012</b> , 33, 1458-63	3
1361	Evaluation of automatic measurement of the intracranial volume based on quantitative MR imaging. <b>2012</b> , 33, 1951-6	39
1360	Gray matter volumes in obsessive-compulsive disorder before and after fluoxetine or cognitive-behavior therapy: a randomized clinical trial. <b>2012</b> , 37, 734-45	89
1359	Written language impairments in primary progressive aphasia: a reflection of damage to central semantic and phonological processes. <b>2012</b> , 24, 261-75	37
1358	The neural underpinnings of simultanagnosia: disconnecting the visuospatial attention network. <b>2012</b> , 24, 718-35	47
1357	Structural integrity of the prefrontal cortex modulates electrocortical sensitivity to reward. <b>2012</b> , 24, 1560-70	21
1356	Neural mechanisms mediating contingent capture of attention by affective stimuli. <b>2012</b> , 24, 1113-26	19
1355	The effect of aging on the neural correlates of phonological word retrieval. <b>2012</b> , 24, 2135-46	18
1354	MR imaging-based correction for partial volume effect improves detectability of intractable epileptogenic foci on iodine 123 iomazenil brain SPECT images: an extended study with a larger sample size. <b>2012</b> , 33, 2088-94	2
1353	Demenz: Was kann der Radiologe sagen?. <b>2012</b> , 02, 131-148	0
1352	A contextual maximum likelihood framework for modeling image registration. <b>2012</b> ,	3
1351	A contrario detection of focal brain perfusion abnormalities based on an arterial spin labeling template. <b>2012</b> ,	1

1350	Spatial and temporal attention deficits following brain injury: a neuroanatomical decomposition of the temporal order judgement task. <b>2012</b> , 29, 300-24	18
1349	Multimodal Brain Image Analysis. <b>2012</b> ,	0
1348	Theory of mind in amnesic mild cognitive impairment: an FMRI study. <b>2012</b> , 29, 25-37	62
1347	Altered structural brain network topology in infants with intrauterine growth restriction. <b>2012</b> ,	1
1346	An automated method for high-definition transcranial direct current stimulation modeling. <b>2012</b> , 2012, 5376-9	8
1345	Identifying the neural correlates of executive functions in early cerebral microangiopathy: a combined VBM and DTI study. <b>2012</b> , 32, 1869-78	23
1344	Effective connectivity of the human cerebellum during visual attention. <b>2012</b> , 32, 11453-60	78
1343	An effect of bilingualism on the auditory cortex. <b>2012</b> , 32, 16597-601	80
1342	Decoding the contents of visual short-term memory from human visual and parietal cortex. <b>2012</b> , 32, 12983-9	182
1341	Differentiating hemispheric contributions to syntax and semantics in patients with left-hemisphere lesions. <b>2012</b> , 32, 8149-57	39
1340	Changes in auditory feedback connections determine the severity of speech processing deficits after stroke. <b>2012</b> , 32, 4260-70	31
1339	Opposing effects of aging on large-scale brain systems for memory encoding and cognitive control. <b>2012</b> , 32, 10749-57	79
1338	Prefrontal contributions to metacognition in perceptual decision making. <b>2012</b> , 32, 6117-25	235
1337	Dynamical properties of BOLD activity from the ventral posteromedial cortex associated with meditation and attentional skills. <b>2012</b> , 32, 5242-9	75
1336	Resting-state glutamate level in the anterior cingulate predicts blood-oxygen level-dependent response to cognitive control. <b>2012</b> , 109, 5069-73	63
1335	Impaired insulin sensitivity as indexed by the HOMA score is associated with deficits in verbal fluency and temporal lobe gray matter volume in the elderly. <b>2012</b> , 35, 488-94	101
1334	Cortical dynamics of sensorimotor integration during grasp planning. <b>2012</b> , 32, 4508-19	47
1333	Emotional voice areas: anatomic location, functional properties, and structural connections revealed by combined fMRI/DTI. <b>2012</b> , 22, 191-200	130

1332	Graph analysis of functional brain networks for cognitive control of action in traumatic brain injury. <b>2012</b> , 135, 1293-307	86
1331	Feature-based brain MRI retrieval for Alzheimer disease diagnosis. <b>2012</b> ,	18
1330	Hypertension is related to the microstructure of the corpus callosum: the RUN DMC study. <b>2012</b> , 32, 623-31	26
1329	Stimulation strength and focality of electroconvulsive therapy with individualized current amplitude: a preclinical study. <b>2012</b> , 2012, 6430-3	4
1328	Association between brain structure and psychometric schizotypy in healthy individuals. <b>2012</b> , 13, 544-9	48
1327	Altered resting brain function and structure in professional badminton players. <b>2012</b> , 2, 225-33	73
1326	Brain activity in bilingual developmental dyslexia: an fMRI study. <b>2012</b> , 18, 286-97	8
1325	Causal Markov random field for brain MR image segmentation. <b>2012</b> , 2012, 3203-6	1
1324	Implementation of image segmentation on foetus ultrasound imaging system. <b>2012</b> ,	1
1323	A GENERATIVE MODEL FOR MULTI-ATLAS SEGMENTATION ACROSS MODALITIES. <b>2012</b> , 888-891	18
1322	Classification of ADHD children through multimodal magnetic resonance imaging. <b>2012</b> , 6, 63	103
1321	Accuracy and reliability of automated gray matter segmentation pathways on real and simulated structural magnetic resonance images of the human brain. <b>2012</b> , 7, e45081	89
1320	Investigation of unmedicated early onset restless legs syndrome by voxel-based morphometry, T2 relaxometry, and functional MR imaging during the night-time hours. <b>2012</b> , 33, 667-72	62
1319	Association of activity changes in the primary sensory cortex with successful motor rehabilitation of the hand following stroke. <b>2012</b> , 26, 881-8	30
1318	EEG/fMRI fusion based on independent component analysis: integration of data-driven and model-driven methods. <b>2012</b> , 11, 313-37	40
1317	Deficient use of visual information in estimating hand position in cerebellar patients. <b>2012</b> , 32, 16274-84	18
1316	Abnormal structure-function relationship in spasmodic dysphonia. <b>2012</b> , 22, 417-25	64
1315	Human motor cortical activity is selectively phase-entrained on underlying rhythms. <b>2012</b> , 8, e1002655	134

1314	Low PiB PET retention in presence of pathologic CSF biomarkers in Arctic APP mutation carriers. <b>2012</b> , 79, 229-36	112
1313	The neuroanatomy of visual enumeration: differentiating necessary neural correlates for subitizing versus counting in a neuropsychological voxel-based morphometry study. <b>2012</b> , 24, 948-64	31
1312	Listen, learn, like! Dorsolateral prefrontal cortex involved in the mere exposure effect in music. <b>2012</b> , 2012, 846270	17
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1310	Hierarchical organization of cortical morphology of decision-making when deconstructing Iowa Gambling Task performance in healthy adults. <b>2012</b> , 18, 585-94	5
1309	Which registration method for high resolution fMRI to explore hand movement cortical representation?. <b>2012</b> ,	
1308	Improving SAR estimations in MRI using subject-specific models. <b>2012</b> , 57, 8153-71	24
1307	Is the link between anatomical structure and function equally strong at all cognitive levels of processing?. <b>2012</b> , 22, 1593-603	48
1306	Distinct neural substrates for semantic knowledge and naming in the temporoparietal network. <b>2012</b> , 22, 2217-26	39
1305	Altered brain mechanisms of emotion processing in pre-manifest Huntington's disease. <b>2012</b> , 135, 1165-79	69
1304	A robust non-symmetric mixture models for image segmentation. <b>2012</b> ,	1
1303	GLIDE: GPU-based linear regression for detection of epistasis. <b>2012</b> , 73, 220-36	29
1302	Silent infarcts and cerebral microbleeds modify the associations of white matter lesions with gait and postural stability: population-based study. <b>2012</b> , 43, 1505-10	55
1301	Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. <b>2012</b> , 135, 3635-44	111
1300	Simultaneous Segmentation and Statistical Label Fusion. <b>2012</b> , 8314,	2
1299	Evolution of global and local grey matter atrophy on serial MRI scans during the progression from MCI to AD. <b>2012</b> , 9, 516-24	42
1298	Supervised classification of brain tissues through local multi-scale texture analysis by coupling DIR and FLAIR MR sequences. <b>2012</b> ,	3
1297	The default mode network and related right hemisphere structures may be the key substrates of dementia. <b>2012</b> , 32, 467-78	33

1296	Cognitive function in small vessel disease: the additional value of diffusion tensor imaging to conventional magnetic resonance imaging: the RUN DMC study. <b>2012</b> , 32, 667-76	22
1295	Resting-state functional connectivity bias of middle temporal gyrus and caudate with altered gray matter volume in major depression. <b>2012</b> , 7, e45263	92
1294	Relationship between regional brain volumes and cognitive performance in the healthy aging: an MRI study using voxel-based morphometry. <b>2012</b> , 31, 45-58	19
1293	Effects of image distortion correction on voxel-based morphometry. <b>2012</b> , 11, 27-34	15
1292	Patterns of gray matter atrophy in dementia with Lewy bodies: a voxel-based morphometry study. <b>2012</b> , 24, 532-40	47
1291	Characterization of a family with c9FTD/ALS associated with the GGGGCC repeat expansion in C9ORF72. <b>2012</b> , 69, 1164-9	16
1290	Cognitive deficits in Machado-Joseph disease correlate with hypoperfusion of visual system areas. <b>2012</b> , 11, 1037-44	25
1289	Near-Infrared Brain Volumetric Imaging Method: A Monte Carlo Study. <b>2012</b> , 18, 1122-1129	1
1288	Neural correlates of lyrical improvisation: an fMRI study of freestyle rap. <b>2012</b> , 2, 834	110
1287	Volumetric reductions in the subgenual anterior cingulate cortex in adolescents with bipolar I disorder. <b>2012</b> , 14, 585-96	32
1286	Dopamine modulates episodic memory persistence in old age. <b>2012</b> , 32, 14193-204	139
1285	White matter damage in frontotemporal lobar degeneration spectrum. <b>2012</b> , 22, 2705-14	117
1284	Default-mode network connectivity in cognitively unimpaired patients with Parkinson disease. <b>2012</b> , 79, 2226-32	229
1283	Cerebral gray and white matter changes and clinical course in metachromatic leukodystrophy. <b>2012</b> , 79, 1662-70	31
1282	The antisocial brain: psychopathy matters. <b>2012</b> , 69, 962-72	143
1281	Altered global and regional brain mean diffusivity in patients with obstructive sleep apnea. <b>2012</b> , 90, 2043-52	97
1280	Amyloid deposition, hypometabolism, and longitudinal cognitive decline. <b>2012</b> , 72, 578-86	400
1279	Progression of cortical thinning in early Parkinson's disease. <b>2012</b> , 27, 1746-53	82



1278	Can we overcome the 'clinico-radiological paradox' in multiple sclerosis?. <b>2012</b> , 259, 2151-60	39
1277	Atorvastatin added to interferon $\beta$ for relapsing multiple sclerosis: a randomized controlled trial. <b>2012</b> , 259, 2401-13	32
1276	Auditory cortex signs of age-related hearing loss. <b>2012</b> , 13, 703-13	130
1275	Quantitative voxelbasierte Bildgebung in der Epileptologie. <b>2012</b> , 25, 168-174	
1274	White matter atrophy in Alzheimer's disease variants. <b>2012</b> , 8, S78-87.e1-2	61
1273	Glutamate receptor $\beta$ (GRID1) genetic variation and brain structure in schizophrenia. <b>2012</b> , 46, 1531-9	20
1272	Obsessive-compulsive symptom dimensions correlate to specific gray matter volumes in medication-naïve patients. <b>2012</b> , 46, 1635-42	48
1271	Abnormal baseline brain activity in bipolar depression: a resting state functional magnetic resonance imaging study. <b>2012</b> , 203, 175-9	91
1270	Prefrontal gray matter morphology mediates the association between serum anticholinergic activity and cognitive functioning in early course schizophrenia. <b>2012</b> , 204, 61-7	26
1269	Brain gray matter phenotypes across the psychosis dimension. <b>2012</b> , 204, 13-24	44
1268	Fronto-limbic microstructure and structural connectivity in remission from major depression. <b>2012</b> , 204, 40-8	35
1267	Examining the effect of psychopathic traits on gray matter volume in a community substance abuse sample. <b>2012</b> , 204, 91-100	38
1266	Attentional orienting to mnemonic representations: reduction of load-sensitive maintenance-related activity in the intraparietal sulcus. <b>2012</b> , 50, 2805-2811	13
1265	Brain structure predicts risk for obesity. <b>2012</b> , 59, 859-65	44
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1263	A comparison of VLSM and VBM in a cohort of patients with post-stroke aphasia. <b>2012</b> , 1, 37-47	44
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1250	Alzheimer's disease detection using a Projection Based Learning Meta-cognitive RBF Network. <b>2012</b> ,	5
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1244	Cardiorespiratory fitness is associated with atrophy in Alzheimer's and aging over 2 years. <b>2012</b> , 33, 1624-32	72
1243	Diffusion tensor imaging and mild parkinsonian signs in cerebral small vessel disease. <b>2012</b> , 33, 2106-12	11

1242	Multimodality imaging characteristics of dementia with Lewy bodies. <b>2012</b> , 33, 2091-105	149
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1226	Right temporal variant frontotemporal dementia with motor neuron disease. <b>2012</b> , 19, 85-91	13
1225	Diffusion tensor imaging and cognition in cerebral small vessel disease: the RUN DMC study. <b>2012</b> , 1822, 401-7	62

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1205	Learning about time: plastic changes and interindividual brain differences. <b>2012</b> , 75, 725-37		53
1204	Automatic segmentation of white matter hyperintensities robust to multicentre acquisition and pathological variability. <b>2012</b> ,		
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1202	Early and late onset, first-episode, treatment-naive depression: same clinical symptoms, different regional neural activities. <b>2012</b> , 143, 56-63		66
1201	Neuroimaging correlates of pathologically defined subtypes of Alzheimer's disease: a case-control study. <b>2012</b> , 11, 868-77		254
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1195	Gray-matter volume in methamphetamine dependence: cigarette smoking and changes with abstinence from methamphetamine. <b>2012</b> , 125, 230-8		98
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1193	Automated MR image classification in temporal lobe epilepsy. <i>NeuroImage</i> , <b>2012</b> , 59, 356-62	7.9	71
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1191	Deficient MWF mapping in multiple sclerosis using 3D whole-brain multi-component relaxation MRI. <i>NeuroImage</i> , <b>2012</b> , 59, 2670-7	7.9	62
1190	Longitudinal loss of gray matter volume in patients with first-episode schizophrenia: DARTEL automated analysis and ROI validation. <i>NeuroImage</i> , <b>2012</b> , 59, 986-96	7.9	113
1189	Correlation among body height, intelligence, and brain gray matter volume in healthy children. <i>NeuroImage</i> , <b>2012</b> , 59, 1023-7	7.9	59

1188	Imitation and observational learning of hand actions: prefrontal involvement and connectivity. <i>NeuroImage</i> , <b>2012</b> , 59, 1668-83	7.9	67
1187	Microstructural white matter abnormalities in type 2 diabetes mellitus: a diffusion tensor imaging study. <i>NeuroImage</i> , <b>2012</b> , 59, 1098-105	7.9	137
1186	Grey matter abnormalities within cortico-limbic-striatal circuits in acute and weight-restored anorexia nervosa patients. <i>NeuroImage</i> , <b>2012</b> , 59, 1106-13	7.9	89
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1182	The influence of complex white matter architecture on the mean diffusivity in diffusion tensor MRI of the human brain. <i>NeuroImage</i> , <b>2012</b> , 59, 2208-16	7.9	146
1181	Discriminative analysis of early Alzheimer's disease using multi-modal imaging and multi-level characterization with multi-classifier (M3). <i>NeuroImage</i> , <b>2012</b> , 59, 2187-95	7.9	203
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1176	Multiple white matter tract abnormalities underlie cognitive impairment in RRMS. <i>NeuroImage</i> , <b>2012</b> , 59, 3713-22	7.9	84
1175	Dynamic gray matter changes within cortex and striatum after short motor skill training are associated with their increased functional interaction. <i>NeuroImage</i> , <b>2012</b> , 59, 3364-72	7.9	43
1174	An automated tool for detection of FLAIR-hyperintense white-matter lesions in Multiple Sclerosis. <i>NeuroImage</i> , <b>2012</b> , 59, 3774-83	7.9	677
1173	Patterns of hemodynamic low-frequency oscillations in the brain are modulated by the nature of free thought during rest. <i>NeuroImage</i> , <b>2012</b> , 59, 3194-200	7.9	71
1172	Does feature selection improve classification accuracy? Impact of sample size and feature selection on classification using anatomical magnetic resonance images. <i>NeuroImage</i> , <b>2012</b> , 60, 59-70	7.9	220
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1169	The effect of local perturbation fields on human DTI: characterisation, measurement and correction. <i>NeuroImage</i> , <b>2012</b> , 60, 562-70	7.9	29
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1162	Altered small-world topology of structural brain networks in infants with intrauterine growth restriction and its association with later neurodevelopmental outcome. <i>NeuroImage</i> , <b>2012</b> , 60, 1352-66	7.9	128
1161	Analysis of automated methods for spatial normalization of lesioned brains. <i>NeuroImage</i> , <b>2012</b> , 60, 1296-306	7.9	102
1160	Steady-state responses in MEG demonstrate information integration within but not across the auditory and visual senses. <i>NeuroImage</i> , <b>2012</b> , 60, 1478-89	7.9	37
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1158	The role of the left anterior temporal lobe in exception word reading: reconciling patient and neuroimaging findings. <i>NeuroImage</i> , <b>2012</b> , 60, 2000-7	7.9	31
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1148	Multi-scale classification of disease using structural MRI and wavelet transform. <i>NeuroImage</i> , <b>2012</b> , 62, 48-58	7.9	54
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1119	Quantitative and qualitative assessment of structural magnetic resonance imaging data in a two-center study. <b>2012</b> , 12, 27	28
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1104	Dissociated neural processing for decisions in managers and non-managers. <b>2012, 7, e43537</b>	7
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1099	The subthalamic microlesion story in Parkinson's disease: electrode insertion-related motor improvement with relative cortico-subcortical hypoactivation in fMRI. <b>2012, 7, e49056</b>	40

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1091	Automated measurement of the human corpus callosum using MRI. <b>2012</b> , 6, 25	29
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1084	Structural Brain Differences in Breast Cancer Patients Compared to Matched Controls Prior to Chemotherapy. <b>2012</b> , 4,	24
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1081	Correction of systematic errors in quantitative proton density mapping. <b>2012</b> , 68, 74-85	49

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1075	Neurophysiologic correlates of fMRI in human motor cortex. <b>2012</b> , 33, 1689-99	133
1074	A whole brain fMRI atlas generated via spatially constrained spectral clustering. <b>2012</b> , 33, 1914-28	940
1073	Multivariate patterns of brain-cognition associations relating to vulnerability and clinical outcome in the at-risk mental states for psychosis. <b>2012</b> , 33, 2104-24	22
1072	Evaluating and reducing the impact of white matter lesions on brain volume measurements. <b>2012</b> , 33, 2062-71	206
1071	Brain structural trajectories over the adult lifespan. <b>2012</b> , 33, 2377-89	149
1070	Assessment of cortical degeneration in patients with Parkinson's disease by voxel-based morphometry, cortical folding, and cortical thickness. <b>2012</b> , 33, 2521-34	146
1069	Neural mechanisms underlying freedom to choose an object. <b>2012</b> , 33, 2686-93	10
1068	The association between cingulate cortex glutamate concentration and delay discounting is mediated by resting state functional connectivity. <b>2012</b> , 2, 553-62	34
1067	A novel group ICA approach based on multi-scale individual component clustering. Application to a large sample of fMRI data. <b>2012</b> , 10, 269-85	10
1066	Ventral and dorsal fiber systems for imagined and executed movement. <b>2012</b> , 219, 203-16	51
1065	Comparative methods for PET image segmentation in pharyngolaryngeal squamous cell carcinoma. <b>2012</b> , 39, 881-91	56
1064	Evaluation of the screening power of Cognitive Abilities Screening Instrument for probable Alzheimer's disease using voxel-based morphometry. <b>2012</b> , 36, 46-53	2
1063	Dividing the self: distinct neural substrates of task-based and automatic self-prioritization after brain damage. <b>2012</b> , 122, 150-62	25

1062	Dual-modality brain PET-CT image segmentation based on adaptive use of functional and anatomical information. <b>2012</b> , 36, 47-53	14
1061	Attenuated boundary extension produces a paradoxical memory advantage in amnesic patients. <b>2012</b> , 22, 261-8	104
1060	Segmentation of multiple sclerosis lesions in brain MRI: A review of automated approaches. <b>2012</b> , 186, 164-185	146
1059	Alexithymia in healthy young men: a voxel-based morphometric study. <b>2012</b> , 136, 1252-6	23
1058	Gray matter volume abnormalities in individuals with cognitive vulnerability to depression: a voxel-based morphometry study. <b>2012</b> , 136, 443-52	57
1057	Cortical thickness analysis and optimized voxel-based morphometry in children and adolescents with prelingually profound sensorineural hearing loss. <b>2012</b> , 1430, 35-42	43
1056	Chronotype and diurnal patterns of positive affect and affective neural circuitry in primary insomnia. <b>2012</b> , 21, 515-26	54
1055	The relationships among MRI-defined spinal cord involvement, brain involvement, and disability in multiple sclerosis. <b>2012</b> , 22, 122-8	74
1054	Granger causality analysis implementation on MATLAB: a graphic user interface toolkit for fMRI data processing. <b>2012</b> , 203, 418-26	92
1053	Altered inhibition of negative emotions in subjects at family risk of major depressive disorder. <b>2012</b> , 46, 181-8	24
1052	Differential regional gray matter volumes in patients with on-line game addiction and professional gamers. <b>2012</b> , 46, 507-15	118
1051	Consistent segmentation using a Rician classifier. <b>2012</b> , 16, 524-35	21
1050	Voxel- and atlas-based analysis of diffusion tensor imaging may reveal focal axonal injuries in mild traumatic brain injury -- comparison with diffuse axonal injury. <b>2012</b> , 30, 496-505	53
1049	The neural dynamics of task context in free recall. <b>2012</b> , 50, 447-57	13
1048	Distinct critical cerebellar subregions for components of verbal working memory. <b>2012</b> , 50, 189-97	45
1047	Revealing and quantifying the impaired phonological analysis underpinning impaired comprehension in Wernicke's aphasia. <b>2012</b> , 50, 276-88	29
1046	Medial prefrontal functional connectivity--relation to memory self-appraisal accuracy in older adults with and without memory disorders. <b>2012</b> , 50, 603-11	40
1045	Language lateralisation in late proficient bilinguals: a lexical decision fMRI study. <b>2012</b> , 50, 688-95	30

1044	Action verb understanding in first-episode schizophrenia: is there evidence for a simulation deficit?. <b>2012</b> , 50, 988-96	11
1043	Structural correlates for lexical efficiency and number of languages in non-native speakers of English. <b>2012</b> , 50, 1347-52	63
1042	Individual differences in premotor and motor recruitment during speech perception. <b>2012</b> , 50, 1380-92	42
1041	Changes in regional gray matter volume in women with chronic pelvic pain: a voxel-based morphometry study. <b>2012</b> , 153, 1006-1014	149
1040	Model sparsity and brain pattern interpretation of classification models in neuroimaging. <b>2012</b> , 45, 2085-2100	96
1039	Structural deficits in the emotion circuit and cerebellum are associated with depression, anxiety and cognitive dysfunction in methadone maintenance patients: a voxel-based morphometric study. <b>2012</b> , 201, 89-97	42
1038	Abnormal functional connectivity between the anterior cingulate and the default mode network in drug-naïve boys with attention deficit hyperactivity disorder. <b>2012</b> , 201, 120-7	108
1037	Integrating segmentation information for improved MRF-based elastic image registration. <b>2012</b> , 21, 170-83	40
1036	Robust Student's-t mixture model with spatial constraints and its application in medical image segmentation. <b>2012</b> , 31, 103-16	65
1035	Voxel-based morphometry in patients with obsessive-compulsive behaviors in behavioral variant frontotemporal dementia. <b>2012</b> , 19, 911-7	36
1034	Neuroanatomical correlates of the progressive supranuclear palsy corticobasal syndrome hybrid. <b>2012</b> , 19, 1440-6	18
1033	Structural and behavioral correlates of abnormal encoding of money value in the sensorimotor striatum in cocaine addiction. <b>2012</b> , 36, 2979-88	39
1032	Imaging measures predict progression in progressive supranuclear palsy. <b>2012</b> , 27, 1801-4	15
1031	Age-related regional brain T2-relaxation changes in healthy adults. <b>2012</b> , 35, 300-8	38
1030	Regional brain axial and radial diffusivity changes during development. <b>2012</b> , 90, 346-55	75
1029	The neuroanatomy of genetic subtype differences in Prader-Willi syndrome. <b>2012</b> , 159B, 243-53	36
1028	Repeatability of measured brain volume by atlas-based method using T1-weighted image. <b>2012</b> , 25, 173-8	4
1027	Clinical and imaging correlates of the multiple sclerosis impact scale in secondary progressive multiple sclerosis. <b>2012</b> , 259, 237-45	15

1026	Longitudinal changes in magnetisation transfer ratio in secondary progressive multiple sclerosis: data from a randomised placebo controlled trial of lamotrigine. <b>2012</b> , 259, 505-14	20
1025	The impact of alcohol dependence on social brain function. <b>2013</b> , 18, 109-20	33
1024	Quantitative effect of the neonatal fontanel on synthetic near infrared spectroscopy measurements. <b>2013</b> , 34, 878-89	14
1023	Frontotemporoparietal asymmetry and lack of illness awareness in schizophrenia. <b>2013</b> , 34, 1035-43	31
1022	Corpus callosum damage predicts disability progression and cognitive dysfunction in primary-progressive MS after five years. <b>2013</b> , 34, 1163-72	37
1021	Disturbed cortico-subcortical interactions during motor task switching in traumatic brain injury. <b>2013</b> , 34, 1254-71	36
1020	Ventral striatal prediction error signaling is associated with dopamine synthesis capacity and fluid intelligence. <b>2013</b> , 34, 1490-9	81
1019	Phonological processing in first-degree relatives of individuals with autism: an fMRI study. <b>2013</b> , 34, 1447-63	20
1018	Judging roughness by sight--a 7-Tesla fMRI study on responsivity of the primary somatosensory cortex during observed touch of self and others. <b>2013</b> , 34, 1882-95	35
1017	Linear and curvilinear correlations of brain gray matter volume and density with age using voxel-based morphometry with the Akaike information criterion in 291 healthy children. <b>2013</b> , 34, 1857-71	22
1016	A longitudinal study of age- and gender-related annual rate of volume changes in regional gray matter in healthy adults. <b>2013</b> , 34, 2292-301	32
1015	Correlation between high-sensitivity C-reactive protein and brain gray matter volume in healthy elderly subjects. <b>2013</b> , 34, 2418-24	30
1014	Investigating the prevalence of complex fiber configurations in white matter tissue with diffusion magnetic resonance imaging. <b>2013</b> , 34, 2747-66	635
1013	The topography of brain damage at different stages of Parkinson's disease. <b>2013</b> , 34, 2798-807	47
1012	Cerebral blood flow and gray matter volume covariance patterns of cognition in aging. <b>2013</b> , 34, 3267-79	34
1011	A longitudinal study of the relationship between personality traits and the annual rate of volume changes in regional gray matter in healthy adults. <b>2013</b> , 34, 3347-53	35
1010	Executive performance is related to regional gray matter volume in healthy older individuals. <b>2013</b> , 34, 3333-46	30
1009	Brain structure and spatial sensitivity profile assessing by near-infrared spectroscopy modeling based on 3D MRI data. <b>2013</b> , 6, 267-74	10

1008	High-resolution functional MRI at 3 T: 3D/2D echo-planar imaging with optimized physiological noise correction. <b>2013</b> , 69, 1657-64	61
1007	Postoperative increase in grey matter volume in visual cortex after unilateral cataract surgery. <b>2013</b> , 91, 58-65	19
1006	Extreme Learning Machines for Feature Selection and Classification of Cocaine Dependent Patients on Structural MRI Data. <b>2013</b> , 38, 375-387	24
1005	Grapheme-color synesthetes show peculiarities in their emotional brain: cortical and subcortical evidence from VBM analysis of 3D-T1 and DTI data. <b>2013</b> , 227, 343-53	13
1004	Diffeomorphic Anatomical Registration Through Exponentiated Lie Algebra provides reduced effect of scanner for cortex volumetry with atlas-based method in healthy subjects. <b>2013</b> , 55, 869-75	68
1003	Correlation between pulmonary function and brain volume in healthy elderly subjects. <b>2013</b> , 55, 689-95	11
1002	Functional reorganization associated with outcome in hand function after stroke revealed by regional homogeneity. <b>2013</b> , 55, 761-70	27
1001	Towards automated detection of depression from brain structural magnetic resonance images. <b>2013</b> , 55, 567-84	10
1000	Bilateral pre- and postcentral gyrus volume positively correlates with T2-SNR of putamen in healthy adults. <b>2013</b> , 55, 245-50	1
999	Improved inference in Bayesian segmentation using Monte Carlo sampling: application to hippocampal subfield volumetry. <b>2013</b> , 17, 766-78	33
998	Grey and white matter abnormalities in temporal lobe epilepsy with and without mesial temporal sclerosis. <b>2013</b> , 260, 2320-9	73
997	A probabilistic patch-based label fusion model for multi-atlas segmentation with registration refinement: application to cardiac MR images. <b>2013</b> , 32, 1302-15	145
996	Non-local statistical label fusion for multi-atlas segmentation. <b>2013</b> , 17, 194-208	163
995	Deformable templates guided discriminative models for robust 3D brain MRI segmentation. <b>2013</b> , 11, 447-68	8
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993	Sequential projection-based metacognitive learning in a radial basis function network for classification problems. <b>2013</b> , 24, 194-206	79
992	Progressive Multiple Sclerosis. <b>2013</b> ,	
991	fMRI. <b>2013</b> ,	3



990	Normalization of similarity-based individual brain networks from gray matter MRI and its association with neurodevelopment in infants with intrauterine growth restriction. <i>NeuroImage</i> , <b>2013</b> , 83, 901-11	7.9	41
989	Perfumers' expertise induces structural reorganization in olfactory brain regions. <i>NeuroImage</i> , <b>2013</b> , 68, 55-62	7.9	61
988	Neural correlates of short-term memory reorganization in humans with hippocampal damage. <b>2013</b> , 33, 11061-9		27
987	. <b>2013</b> , 20, 295-298		21
986	Imaging cortical damage and dysfunction in multiple sclerosis. <b>2013</b> , 70, 556-64		22
985	Hippocampal network connectivity and activation differentiates post-traumatic stress disorder from generalized anxiety disorder. <b>2013</b> , 38, 1889-98		147
984	Globally and locally reduced MRI gray matter volumes in neuroleptic-naive men with schizotypal personality disorder: association with negative symptoms. <b>2013</b> , 70, 361-72		29
983	Image Segmentation Using a Local GMM in a Variational Framework. <b>2013</b> , 46, 161-176		20
982	Amygdala activation for eye contact despite complete cortical blindness. <b>2013</b> , 33, 10483-9		78
981	Putative cortical dopamine levels affect cortical recruitment during planning. <b>2013</b> , 51, 2194-201		6
980	Association between fully automated MRI-based volumetry of different brain regions and neuropsychological test performance in patients with amnesic mild cognitive impairment and Alzheimer's disease. <b>2013</b> , 263, 335-44		33
979	Association of grey matter volume deviation with insight impairment in first-episode affective and non-affective psychosis. <b>2013</b> , 263, 133-41		21
978	PRoNTo: pattern recognition for neuroimaging toolbox. <b>2013</b> , 11, 319-37		268
977	Asymmetry of the dorsal anterior cingulate cortex: evidences from multiple modalities of MRI. <b>2013</b> , 11, 149-57		5
976	Behavioural and emotional symptoms of apathy are associated with distinct patterns of brain atrophy in neurodegenerative disorders. <b>2013</b> , 260, 2481-90		60
975	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. <b>2013</b> , 260, 2458-71		83
974	Volumetric and shape analysis of thalamus in idiopathic generalized epilepsy. <b>2013</b> , 260, 1846-54		31
973	Differentiated parietal connectivity of frontal regions for "what" and "where" memory. <b>2013</b> , 218, 1551-67		72

972	Changes in grey matter development in autism spectrum disorder. <b>2013</b> , 218, 929-42	74
971	Cytoarchitectonic mapping of attentional selection and reorienting in parietal cortex. <i>NeuroImage</i> , <b>2013</b> , 67, 257-72	79 30
970	Dissociative part-dependent biopsychosocial reactions to backward masked angry and neutral faces: An fMRI study of dissociative identity disorder. <b>2013</b> , 3, 54-64	46
969	[ <sup>11</sup> C]-(R)PK11195 tracer kinetics in the brain of glioma patients and a comparison of two referencing approaches. <b>2013</b> , 40, 1406-19	44
968	A European multicentre PET study of fibrillar amyloid in Alzheimer's disease. <b>2013</b> , 40, 104-14	148
967	Neural correlates of obsessive-compulsive related dysfunctional beliefs. <b>2013</b> , 47, 25-32	16
966	Brain atrophy associations with white matter lesions in the ageing brain: the Lothian Birth Cohort 1936. <b>2013</b> , 23, 1084-92	54
965	Dietary intake of eicosapentaenoic and docosahexaenoic acids is linked to gray matter volume and cognitive function in elderly. <b>2013</b> , 35, 1495-505	70
964	Cardiovascular risk in cognitively preserved elderly is associated with glucose hypometabolism in the posterior cingulate cortex and precuneus regardless of brain atrophy and apolipoprotein gene variations. <b>2013</b> , 35, 777-92	13
963	Effect of Bcl-2 rs956572 SNP on regional gray matter volumes and cognitive function in elderly males without dementia. <b>2013</b> , 35, 343-52	9
962	Brain atrophy in type 2 diabetes: regional distribution and influence on cognition. <b>2013</b> , 36, 4036-42	339
961	Detection of onset of Alzheimer's disease from MRI images using a GA-ELM-PSO classifier. <b>2013</b> ,	9
960	Age at onset influences neurodegenerative processes underlying PD with levodopa-induced dyskinesias. <b>2013</b> , 19, 883-8	24
959	A preliminary study of epilepsy in children using diffusional kurtosis imaging. <b>2013</b> , 23, 293-300	20
958	Regularized logistic discrimination with basis expansions for the early detection of Alzheimer's disease based on three-dimensional MRI data. <b>2013</b> , 7, 109-119	4
957	A comparison of brain activity between healthy subjects and stroke patients on fMRI by acupuncture stimulation. <b>2013</b> , 19, 269-76	21
956	Dissociation between goal-directed and discrete response localization in a patient with bilateral cortical blindness. <b>2013</b> , 25, 1769-75	9
955	MRI volume of the medial frontal cortex predicts financial capacity in patients with mild Alzheimer's disease. <b>2013</b> , 7, 282-92	34

954	Lesions impairing regular versus irregular past tense production. <b>2013</b> , 3, 438-49		3
953	Assessing the mechanism of response in the retrosplenial cortex of good and poor navigators. <b>2013</b> , 49, 2904-13		61
952	Multi-site reproducibility of prefrontal-hippocampal connectivity estimates by stochastic DCM. <i>NeuroImage</i> , <b>2013</b> , 82, 555-63	7.9	17
951	The hippocampus extrapolates beyond the view in scenes: an fMRI study of boundary extension. <b>2013</b> , 49, 2067-79		46
950	Elucidating neuroanatomical alterations in the at risk mental state and first episode psychosis: a combined voxel-based morphometry and voxel-based cortical thickness study. <b>2013</b> , 150, 505-11		24
949	MRI investigation of the sensorimotor cortex and the corticospinal tract after acute spinal cord injury: a prospective longitudinal study. <b>2013</b> , 12, 873-881		178
948	Comparing neural correlates of REM sleep in posttraumatic stress disorder and depression: a neuroimaging study. <b>2013</b> , 214, 422-8		16
947	Metabolic and structural connectivity within the default mode network relates to working memory performance in young healthy adults. <i>NeuroImage</i> , <b>2013</b> , 79, 184-90	7.9	42
946	Computerized MRS voxel registration and partial volume effects in single voxel 1H-MRS. <b>2013</b> , 31, 1197-205		16
945	Common and distinct neural mechanisms of visual and tactile extinction: A large scale VBM study in sub-acute stroke. <b>2013</b> , 2, 291-302		14
944	Mindfulness based intervention in Parkinson's disease leads to structural brain changes on MRI: a randomized controlled longitudinal trial. <b>2013</b> , 115, 2419-25		111
943	Item familiarity and controlled associative retrieval in Alzheimer's disease: an fMRI study. <b>2013</b> , 49, 1566-84		23
942	Identification of an atypical variant of logopenic progressive aphasia. <b>2013</b> , 127, 139-44		36
941	Effect of aging on the cerebral processing of thermal pain in the human brain. <b>2013</b> , 154, 2120-2129		28
940	Childhood abuse is associated with structural impairment in the ventrolateral prefrontal cortex and aggressiveness in patients with borderline personality disorder. <b>2013</b> , 213, 18-23		25
939	Task-free electrocorticography frequency mapping of the motor cortex. <b>2013</b> , 124, 1169-74		25
938	Altered gray matter volume in the frontal pain modulation network in patients with cluster headache. <b>2013</b> , 154, 801-7		68
937	Differential effects of aging on the neural correlates of recollection and familiarity. <b>2013</b> , 49, 1585-97		42

936	Functional similarity of facial emotion processing between people with a first episode of psychosis and healthy subjects. <b>2013</b> , 149, 35-41		11
935	Diffusion tensor magnetic resonance imaging for single subject diagnosis in neurodegenerative diseases. <b>2013</b> , 136, 2253-61		49
934	Early Alzheimer disease detection with bag-of-visual-words and hybrid fusion on structural MRI. <b>2013</b> ,		4
933	Autobiographical memory in semantic dementia: new insights from two patients using fMRI. <b>2013</b> , 51, 2620-32		21
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931	Sex matters: Neural correlates of voice gender perception. <i>NeuroImage</i> , <b>2013</b> , 79, 275-87	7.9	28
930	Brain serotonin 1A receptor binding as a predictor of treatment outcome in major depressive disorder. <b>2013</b> , 74, 760-7		71
929	Contralesional motor deficits after unilateral stroke reflect hemisphere-specific control mechanisms. <b>2013</b> , 136, 1288-303		93
928	fMRI Data Analysis Using SPM. <b>2013</b> , 51-76		2
927	Extrinsic reference frames modify the neural substrates of object-location representations. <b>2013</b> , 51, 781-8		5
926	Morphometric and volumetric MRI changes in idiopathic intracranial hypertension. <b>2013</b> , 33, 1075-84		72
925	Tackling the multifunctional nature of Broca's region meta-analytically: co-activation-based parcellation of area 44. <i>NeuroImage</i> , <b>2013</b> , 83, 174-88	7.9	118
924	Partial least squares correlation of multivariate cognitive abilities and local brain structure in children and adolescents. <i>NeuroImage</i> , <b>2013</b> , 82, 284-94	7.9	37
923	Hierarchical prediction errors in midbrain and basal forebrain during sensory learning. <b>2013</b> , 80, 519-30		200
922	Impartiality in humans is predicted by brain structure of dorsomedial prefrontal cortex. <i>NeuroImage</i> , <b>2013</b> , 81, 317-324	7.9	27
921	Heightened emotional contagion in mild cognitive impairment and Alzheimer's disease is associated with temporal lobe degeneration. <b>2013</b> , 110, 9944-9		106
920	The brain in late-onset glycogenosis II: a structural and functional MRI study. <b>2013</b> , 36, 989-95		11
919	[Personalised medicine in psychiatry and psychotherapy. A review of the current state-of-the-art in the biomarker-based early recognition of psychoses]. <b>2013</b> , 56, 1522-30		3

918	Structural and cognitive deficits in chronic carbon monoxide intoxication: a voxel-based morphometry study. <b>2013</b> , 13, 129	16
917	Poor balance and lower gray matter volume predict falls in older adults with mild cognitive impairment. <b>2013</b> , 13, 102	27
916	Effects of a cognitive training on spatial learning and associated functional brain activations. <b>2013</b> , 14, 73	34
915	Structural covariance of the neostriatum with regional gray matter volumes. <b>2013</b> , 218, 697-709	28
914	White matter hyperintensities predict low frequency hearing in older adults. <b>2013</b> , 14, 425-33	30
913	Low cerebral blood flow is associated with lower memory function in metabolic syndrome. <b>2013</b> , 21, 1313-20	88
912	Reduced striatal responses to reward prediction errors in older compared with younger adults. <b>2013</b> , 33, 9905-12	95
911	Cognition in MS correlates with resting-state oscillatory brain activity: An explorative MEG source-space study. <b>2013</b> , 2, 727-34	25
910	Mismatch between electrocortical stimulation and electrocorticography frequency mapping of language. <b>2013</b> , 6, 524-31	32
909	Spatial False Discovery Rate Control for Magnetic Resonance Imaging Studies. <b>2013</b> ,	1
908	ICGA-ELM classifier for Alzheimer's disease detection. <b>2013</b> ,	3
907	Anatomical variability predicts individual differences in transcranial electric stimulation motor threshold. <b>2013</b> , 2013, 815-8	4
906	. <b>2013</b> ,	5
905	Dynamic Fuzzy Clustering and Its Application in Motion Segmentation. <b>2013</b> , 21, 1019-1031	18
904	Effects of the use of multiple scanners and of scanner upgrade in longitudinal voxel-based morphometry studies. <b>2013</b> , 38, 1283-91	31
903	Voxel-based morphometry analyses in Alzheimer's disease. <b>2013</b> ,	2
902	The coeruleus/subcoeruleus complex in rapid eye movement sleep behaviour disorders in Parkinson's disease. <b>2013</b> , 136, 2120-9	194
901	The neuroanatomical correlates of cognitive insight in schizophrenia. <b>2013</b> , 8, 418-23	45

900	Meta-cognitive q-Gaussian RBF network for binary classification: Application to mild cognitive impairment (MCI). <b>2013</b> ,		6
899	A MRI-based PET attenuation correction with Evalues measured by a fixed-position radiation source. <b>2013</b> ,		
898	Association between physical activity and brain health in older adults. <b>2013</b> , 34, 83-90		88
897	Lifelong bilingualism maintains neural efficiency for cognitive control in aging. <b>2013</b> , 33, 387-96		243
896	Review of automatic segmentation methods of multiple sclerosis white matter lesions on conventional magnetic resonance imaging. <b>2013</b> , 17, 1-18		228
895	Reduced orbitofrontal and temporal grey matter in a community sample of maltreated children. <b>2013</b> , 54, 105-12		132
894	Neuroanatomic overlap between intelligence and cognitive factors: morphometry methods provide support for the key role of the frontal lobes. <i>NeuroImage</i> , <b>2013</b> , 72, 143-52	7.9	82
893	Parietal substrates for dimensional effects in visual search: evidence from lesion-symptom mapping. <b>2013</b> , 136, 751-60		4
892	Structural integrity of the substantia nigra and subthalamic nucleus predicts flexibility of instrumental learning in older-age individuals. <b>2013</b> , 34, 2261-70		33
891	Intracranial volume estimated with commonly used methods could introduce bias in studies including brain volume measurements. <i>NeuroImage</i> , <b>2013</b> , 83, 355-60	7.9	68
890	Voxel-based morphometry with templates and validation in a mouse model of Huntington's disease. <b>2013</b> , 31, 1522-31		49
889	Convergence and divergence of neuroanatomic correlates and executive task performance in healthy controls and psychiatric participants. <b>2013</b> , 214, 221-8		
888	Subcortical structural abnormalities in juvenile myoclonic epilepsy (JME): MR volumetry and vertex based analysis. <b>2013</b> , 22, 230-5		23
887	Decreased medial temporal lobe activation in BDNF (66)Met allele carriers during memory encoding. <b>2013</b> , 51, 2462-8		11
886	Brain axial and radial diffusivity changes with age and gender in healthy adults. <b>2013</b> , 1512, 22-36		47
885	Guided exploration of genomic risk for gray matter abnormalities in schizophrenia using parallel independent component analysis with reference. <i>NeuroImage</i> , <b>2013</b> , 83, 384-96	7.9	38
884	Behavioral and neural evidence for masked conceptual priming of recollection. <b>2013</b> , 49, 1511-25		27
883	Lifelong bilingualism contributes to cognitive reserve against white matter integrity declines in aging. <b>2013</b> , 51, 2841-6		128

882	Is there a cerebellar compensatory effort in first-episode, treatment-naive major depressive disorder at rest?. <b>2013</b> , 46, 13-8	63
881	The influence of cerebral small vessel disease on default mode network deactivation in mild cognitive impairment. <b>2012</b> , 2, 33-42	27
880	Risk-taking and social exclusion in adolescence: neural mechanisms underlying peer influences on decision-making. <i>NeuroImage</i> , <b>2013</b> , 82, 23-34	7.9 99
879	Brain structure in asymptomatic FMR1 premutation carriers at risk for fragile X-associated tremor/ataxia syndrome. <b>2013</b> , 34, 1700-7	47
878	Evening-type military veterans report worse lifetime posttraumatic stress symptoms and greater brainstem activity across wakefulness and REM sleep. <b>2013</b> , 94, 255-62	30
877	A unified framework for cross-modality multi-atlas segmentation of brain MRI. <b>2013</b> , 17, 1181-91	41
876	Predicting outcome and recovery after stroke with lesions extracted from MRI images. <b>2013</b> , 2, 424-33	141
875	Subcallosal brain structure: correlation with hearing threshold at supra-clinical frequencies (>8 kHz), but not with tinnitus. <b>2013</b> , 295, 79-86	82
874	Links among resting-state default-mode network, salience network, and symptomatology in schizophrenia. <b>2013</b> , 148, 74-80	120
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872	Task-load manipulation in the Symbol Digit Modalities Test: an alternative measure of information processing speed. <b>2013</b> , 82, 152-60	27
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