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## A fast diffeomorphic image registration algorithm

DOI: 10.1016/j.neuroimage.2007.07.007  
NeuroImage, 2007, 38, 95-113.

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**Version:** 2024-04-25

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| 2210 | Computational anatomical methods as applied to ageing and dementia. <b>2007</b> , 80 Spec No 2, S78-91   |     | 51        |
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| 2047 | A reproducible evaluation of ANTs similarity metric performance in brain image registration. <i>NeuroImage</i> , <b>2011</b> , 54, 2033-44   | 7.9 | 2213 |
| 2046 | ZNF804A risk allele is associated with relatively intact gray matter volume in patients with schizophrenia. <i>NeuroImage</i> , <b>2011</b> , 54, 2132-7                                   | 7.9 | 74   |
| 2045 | 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  |
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| 1860 | GLIDE: GPU-based linear regression for detection of epistasis. <b>2012</b> , 73, 220-36  | 29  |
| 1859 | Association of BACE1 Gene Polymorphism with Cerebellar Volume but Not Cognitive Function in Normal Individuals. <b>2012</b> , 2, 632-7   | 3   |
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| 1857 | Multi-centre diagnostic classification of individual structural neuroimaging scans from patients with major depressive disorder. <b>2012</b> , 135, 1508-21                                    | 134 |
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| 1854 | Decreased carbon-11-flumazenil binding in early Alzheimer's disease. <b>2012</b> , 135, 2817-25  | 32  |
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| 1852 | Anatomical MRI and DTI in the diagnosis of Alzheimer's disease: a European multicenter study. <b>2012</b> , 31 Suppl 3, S33-47   |     | 69   |
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| 1845 | Mapping regional grey and white matter atrophy in relapsing-remitting multiple sclerosis. <b>2012</b> , 18, 1027-37  |     | 47   |
| 1844 | Within-subject template estimation for unbiased longitudinal image analysis. <i>NeuroImage</i> , <b>2012</b> , 61, 1402-18   |     | 1386 |
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| 1842 | Dopamine modulates episodic memory persistence in old age. <b>2012</b> , 32, 14193-204   |     | 139  |
| 1841 | Association of poor insight in schizophrenia with structure and function of cortical midline structures and frontopolar cortex. <b>2012</b> , 139, 27-32                     |     | 28   |
| 1840 | White matter damage in frontotemporal lobar degeneration spectrum. <b>2012</b> , 22, 2705-14   |     | 117  |
| 1839 | Linking planning performance and gray matter density in mid-dorsolateral prefrontal cortex: moderating effects of age and sex. <i>NeuroImage</i> , <b>2012</b> , 63, 1454-63 | 7.9 | 18   |
| 1838 | In vivo voxel based morphometry: detection of increased hippocampal volume and decreased glutamate levels in exercising mice. <i>NeuroImage</i> , <b>2012</b> , 61, 1206-12  | 7.9 | 90   |
| 1837 | Improving visual perception through neurofeedback. <b>2012</b> , 32, 17830-41  |     | 92   |
| 1836 | Inter-individual differences in empathy are reflected in human brain structure. <i>NeuroImage</i> , <b>2012</b> , 62, 2034-9   | 7.9 | 135  |
| 1835 | Functional connectivity in brain networks underlying cognitive control in chronic cannabis users. <b>2012</b> , 37, 1923-33  |     | 81   |

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| 1832 | Progression of cortical thinning in early Parkinson's disease. <b>2012</b> , 27, 1746-53   | 82  |
| 1831 | Auditory cortex signs of age-related hearing loss. <b>2012</b> , 13, 703-13  | 130 |
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| 1828 | Mapping serotonergic dysfunction in MDMA (ecstasy) users using pharmacological MRI. <b>2012</b> , 22, 537-45   | 14  |
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| 1814 | Anatomically guided voxel-based partial volume effect correction in brain PET: impact of MRI segmentation. <b>2012</b> , 36, 610-9  | 29  |
| 1813 | Bilingualism tunes the anterior cingulate cortex for conflict monitoring. <b>2012</b> , 22, 2076-86   | 373 |
| 1812 | Oxytocin increases amygdala reactivity to threatening scenes in females. <b>2012</b> , 37, 1431-8   | 149 |
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| 1803 | Auditory skills and brain morphology predict individual differences in adaptation to degraded speech. <b>2012</b> , 50, 2154-64   | 39  |
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| 1787 | Probabilistic orthographic cues to grammatical category in the brain. <b>2012</b> , 123, 202-10  | 8   |
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| 1785 | Cumulative adversity and smaller gray matter volume in medial prefrontal, anterior cingulate, and insula regions. <b>2012</b> , 72, 57-64                                    | 228 |
| 1784 | Central cholinergic dysfunction measured "in vivo" correlates with different behavioral disorders in Alzheimer's disease and dementia with Lewy body. <b>2012</b> , 5, 533-8 | 44  |
| 1783 | Brain networks in posterior cortical atrophy: a single case tractography study and literature review. <b>2012</b> , 48, 1298-309   | 52  |
| 1782 | Brain structure links loneliness to social perception. <b>2012</b> , 22, 1975-9  | 103 |
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| 1778 | Automated MR image classification in temporal lobe epilepsy. <i>NeuroImage</i> , <b>2012</b> , 59, 356-62   | 7.9 | 71  |
| 1777 | Measuring structural-functional correspondence: spatial variability of specialised brain regions after macro-anatomical alignment. <i>NeuroImage</i> , <b>2012</b> , 59, 1369-81                              | 7.9 | 213 |
| 1776 | 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 |
| 1775 | Female children with autism spectrum disorder: an insight from mass-univariate and pattern classification analyses. <i>NeuroImage</i> , <b>2012</b> , 59, 1013-22   | 7.9 | 82  |
| 1774 | 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  |
| 1773 | Probabilistic inference of regularisation in non-rigid registration. <i>NeuroImage</i> , <b>2012</b> , 59, 2438-51  | 7.9 | 50  |
| 1772 | BEaST: brain extraction based on nonlocal segmentation technique. <i>NeuroImage</i> , <b>2012</b> , 59, 2362-73   | 7.9 | 339 |
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| 1770 | Multi-modal multi-task learning for joint prediction of multiple regression and classification variables in Alzheimer's disease. <i>NeuroImage</i> , <b>2012</b> , 59, 895-907                                | 7.9 | 442 |
| 1769 | Maternal history of reading difficulty is associated with reduced language-related gray matter in beginning readers. <i>NeuroImage</i> , <b>2012</b> , 59, 3021-32  | 7.9 | 68  |
| 1768 | SPM: a history. <i>NeuroImage</i> , <b>2012</b> , 62, 791-800   | 7.9 | 277 |
| 1767 | The problem of low variance voxels in statistical parametric mapping; a new hat avoids a 'haircut'. <i>NeuroImage</i> , <b>2012</b> , 59, 2131-41   | 7.9 | 25  |
| 1766 | Cortical hypoperfusion in Parkinson's disease assessed using arterial spin labeled perfusion MRI. <i>NeuroImage</i> , <b>2012</b> , 59, 2743-50   | 7.9 | 61  |
| 1765 | The variation of function across the human insula mirrors its patterns of structural connectivity: evidence from in vivo probabilistic tractography. <i>NeuroImage</i> , <b>2012</b> , 59, 3514-21            | 7.9 | 132 |
| 1764 | 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 |
| 1763 | Sleep duration during weekdays affects hippocampal gray matter volume in healthy children. <i>NeuroImage</i> , <b>2012</b> , 60, 471-5  | 7.9 | 74  |

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| 1762 | Confirmation of functional zones within the human subthalamic nucleus: patterns of connectivity and sub-parcellation using diffusion weighted imaging. <i>NeuroImage</i> , <b>2012</b> , 60, 83-94 | 7.9 | 246 |
| 1761 | EEG markers are associated to gray matter changes in thalamus and basal ganglia in subjects with mild cognitive impairment. <i>NeuroImage</i> , <b>2012</b> , 60, 489-96                           | 7.9 | 39  |
| 1760 | The NOS1 variant rs6490121 is associated with variation in prefrontal function and grey matter density in healthy individuals. <i>NeuroImage</i> , <b>2012</b> , 60, 614-22                        | 7.9 | 22  |
| 1759 | Differential effects of surface area, gyrification and cortical thickness on voxel based morphometric deficits in schizophrenia. <i>NeuroImage</i> , <b>2012</b> , 60, 693-9                       | 7.9 | 97  |
| 1758 | Adjusting for global effects in voxel-based morphometry: gray matter decline in normal aging. <i>NeuroImage</i> , <b>2012</b> , 60, 1503-16  | 7.9 | 131 |
| 1757 | Brain templates and atlases. <i>NeuroImage</i> , <b>2012</b> , 62, 911-22  | 7.9 | 299 |
| 1756 | Cortical thickness in primary sensorimotor cortex influences the effectiveness of paired associative stimulation. <i>NeuroImage</i> , <b>2012</b> , 60, 864-70                                     | 7.9 | 58  |
| 1755 | Analysis of automated methods for spatial normalization of lesioned brains. <i>NeuroImage</i> , <b>2012</b> , 60, 1296-306   | 7.9 | 102 |
| 1754 | 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  |
| 1753 | Very large fMRI study using the IMAGEN database: sensitivity-specificity and population effect modeling in relation to the underlying anatomy. <i>NeuroImage</i> , <b>2012</b> , 61, 295-303       | 7.9 | 33  |
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| 1751 | Individual differences in brain structure underpin empathizing-systemizing cognitive styles in male adults. <i>NeuroImage</i> , <b>2012</b> , 61, 1347-54  | 7.9 | 42  |
| 1750 | Age-specific CT and MRI templates for spatial normalization. <i>NeuroImage</i> , <b>2012</b> , 61, 957-65  | 7.9 | 403 |
| 1749 | Combined structural and resting-state functional MRI analysis of sexual dimorphism in the young adult human brain: an MVPA approach. <i>NeuroImage</i> , <b>2012</b> , 61, 931-40                  | 7.9 | 86  |
| 1748 | Neuroanatomical correlates of visual car expertise. <i>NeuroImage</i> , <b>2012</b> , 62, 147-53   | 7.9 | 23  |
| 1747 | A NIRS-fMRI study of resting state network. <i>NeuroImage</i> , <b>2012</b> , 63, 179-93   | 7.9 | 100 |
| 1746 | Localization of dense intracranial electrode arrays using magnetic resonance imaging. <i>NeuroImage</i> , <b>2012</b> , 63, 157-165  | 7.9 | 75  |
| 1745 | The impact of aging on gray matter structural covariance networks. <i>NeuroImage</i> , <b>2012</b> , 63, 754-9   | 7.9 | 89  |

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| 1744 | Deformation-based brain morphometry in rats. <i>NeuroImage</i> , <b>2012</b> , 63, 47-53   | 7.9 | 26  |
| 1743 | Hypothalamic-pituitary-adrenal axis tonus is associated with hippocampal microstructural asymmetry. <i>NeuroImage</i> , <b>2012</b> , 63, 95-103   | 7.9 | 19  |
| 1742 | A large deformation diffeomorphic metric mapping solution for diffusion spectrum imaging datasets. <i>NeuroImage</i> , <b>2012</b> , 63, 818-34  | 7.9 | 32  |
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| 1739 | Supervisory experience at work is linked to low rate of hippocampal atrophy in late life. <i>NeuroImage</i> , <b>2012</b> , 63, 1542-51  | 7.9 | 52  |
| 1738 | Human visual and parietal cortex encode visual choices independent of motor plans. <i>NeuroImage</i> , <b>2012</b> , 63, 1393-403  | 7.9 | 38  |
| 1737 | Grey matter volume correlates of cerebrospinal markers of Alzheimer-pathology in Parkinson's disease and related dementia. <b>2012</b> , 18, 941-7   |     | 47  |
| 1736 | Multimodal analysis of the hippocampus in schizophrenia using proton magnetic resonance spectroscopy and functional magnetic resonance imaging. <b>2012</b> , 140, 136-42                        |     | 53  |
| 1735 | Gray matter atrophy patterns of mild cognitive impairment subtypes. <b>2012</b> , 315, 26-32   |     | 45  |
| 1734 | MRI mean diffusivity detects widespread brain degeneration in multiple sclerosis. <b>2012</b> , 319, 105-10  |     | 23  |
| 1733 | MRI evidence: acute mountain sickness is not associated with cerebral edema formation during simulated high altitude. <b>2012</b> , 7, e50334  |     | 22  |
| 1732 | Anatomical substrates of cognitive and clinical dimensions in first episode schizophrenia. <b>2013</b> , 128, 261-70   |     | 23  |
| 1731 | Online social network size is reflected in human brain structure. <b>2012</b> , 279, 1327-34   |     | 190 |
| 1730 | SUMA. <i>NeuroImage</i> , <b>2012</b> , 62, 768-73   | 7.9 | 149 |
| 1729 | Adaptive image segmentation for robust measurement of longitudinal brain tissue change. <b>2012</b> , 2012, 5319-22  |     | 39  |
| 1728 | Multiple diffusivities define white matter degeneration in amnesic mild cognitive impairment and Alzheimer's disease. <b>2012</b> , 30, 423-37   |     | 17  |
| 1727 | Image Analysis and Recognition. <b>2012</b> ,  |     | 3   |

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| 1726 | The Williams syndrome chromosome 7q11.23 hemideletion confers hypersocial, anxious personality coupled with altered insula structure and function. <b>2012</b> , 109, E860-6 | 43  |
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| 1724 | Functional Neuroimaging in Exercise and Sport Sciences. <b>2012</b> ,  | 10  |
| 1723 | Machine Learning in Medical Imaging. <b>2012</b> ,   | 3   |
| 1722 | The Human Auditory Cortex. <b>2012</b> ,   | 8   |
| 1721 | Sex, lies and fMRI--gender differences in neural basis of deception. <b>2012</b> , 7, e43076   | 29  |
| 1720 | Anatomical and functional deficits in patients with amnesic mild cognitive impairment. <b>2012</b> , 7, e28664   | 68  |
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| 1712 | Structural brain atlases: design, rationale, and applications in normal and pathological cohorts. <b>2012</b> , 31 Suppl 3, S169-88  | 49  |
| 1711 | Automated VOI Analysis in FDDNP PET Using Structural Warping: Validation through Classification of Alzheimer's Disease Patients. <b>2012</b> , 2012, 512069                  | 3   |
| 1710 | Brain volumetric and microstructural correlates of executive and motor performance in aged rhesus monkeys. <b>2012</b> , 4, 31   | 22  |
| 1709 | Adaptive thresholding for reliable topological inference in single subject fMRI analysis. <b>2012</b> , 6, 245   | 35  |

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| 1708 | Altered negative priming in older subjects: first evidence from behavioral and neural level. <b>2012</b> , 6, 270   | 3   |
| 1707 | The INIA19 Template and NeuroMaps Atlas for Primate Brain Image Parcellation and Spatial Normalization. <b>2012</b> , 6, 27   | 165 |
| 1706 | Impact of negative emotion on the neural correlates of long-term recognition in younger and older adults. <b>2012</b> , 6, 74   | 10  |
| 1705 | Cortico-limbic morphology separates tinnitus from tinnitus distress. <b>2012</b> , 6, 21  | 101 |
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| 1693 | Enhanced Olfactory Sensory Perception of Threat in Anxiety: An Event-Related fMRI Study. <b>2012</b> , 5, 37-45   | 38  |
| 1692 | Decreased microglial activation in MS patients treated with glatiramer acetate. <b>2012</b> , 259, 1199-205   | 68  |
| 1691 | Grey matter volume alterations in CADASIL: a voxel-based morphometry study. <b>2012</b> , 13, 231-8   | 6   |

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| 1687 | Calorie restriction reduces psychological stress reactivity and its association with brain volume and microstructure in aged rhesus monkeys. <b>2012</b> , 37, 903-16   | 32  |
| 1686 | AveLI: a robust lateralization index in functional magnetic resonance imaging using unbiased threshold-free computation. <b>2012</b> , 205, 119-29  | 21  |
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| 1682 | 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  |
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| 1678 | Improved labeling of subcortical brain structures in atlas-based segmentation of magnetic resonance images. <b>2012</b> , 59, 1808-17   | 16  |
| 1677 | Combined brain voxel-based morphometry and diffusion tensor imaging study in idiopathic restless legs syndrome patients. <b>2012</b> , 19, 1045-9   | 34  |
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| 1675 | Changing the criteria for old/new recognition judgments can modulate activity in the anterior hippocampus. <b>2012</b> , 22, 141-8  | 17  |
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| 1673 | The neuroanatomy of genetic subtype differences in Prader-Willi syndrome. <b>2012</b> , 159B, 243-53  | 36  |

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| 1664 | Relationships between gray matter, body mass index, and waist circumference in healthy adults. <b>2013</b> , 34, 1737-46  | 73  |
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| 1662 | 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  |
| 1661 | Correlation between high-sensitivity C-reactive protein and brain gray matter volume in healthy elderly subjects. <b>2013</b> , 34, 2418-24   | 30  |
| 1660 | The topography of brain damage at different stages of Parkinson's disease. <b>2013</b> , 34, 2798-807   | 47  |
| 1659 | 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  |
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| 1654 | Correlation between pulmonary function and brain volume in healthy elderly subjects. <b>2013</b> , 55, 689-95   | 11     |
| 1653 | Discrimination of dementia with Lewy bodies from Alzheimer's disease using voxel-based morphometry of white matter by statistical parametric mapping 8 plus diffeomorphic anatomic registration through exponentiated Lie algebra. <b>2013</b> , 55, 559-66 | 32     |
| 1652 | Atlas-based neuroinformatics via MRI: harnessing information from past clinical cases and quantitative image analysis for patient care. <b>2013</b> , 15, 71-92   | 38     |
| 1651 | Morphometric brain characterization of refractory obsessive-compulsive disorder: diffeomorphic anatomic registration using exponentiated Lie algebra. <b>2013</b> , 46, 126-31  | 9      |
| 1650 | Grey and white matter abnormalities in temporal lobe epilepsy with and without mesial temporal sclerosis. <b>2013</b> , 260, 2320-9   | 73     |
| 1649 | Deformable medical image registration: a survey. <b>2013</b> , 32, 1153-90  | 818    |
| 1648 | Neuroimaging of Movement Disorders. <b>2013</b> ,   | 1      |
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| 1646 | Automatic detection of primary motor areas using diffusion MRI tractography: comparison with functional MRI and electrical stimulation mapping. <b>2013</b> , 54, 1381-90   | 17     |
| 1645 | Perfumers' expertise induces structural reorganization in olfactory brain regions. <i>NeuroImage</i> , <b>2013</b> , 68, 55-62  | 7.9 61 |
| 1644 | The neural representation of unexpected uncertainty during value-based decision making. <b>2013</b> , 79, 191-201   | 154    |
| 1643 | Similarity-Based Pattern Recognition. <b>2013</b> ,   |        |
| 1642 | Deformation field validation and inversion applied to adaptive radiation therapy. <b>2013</b> , 58, 5269-86   | 12     |
| 1641 | 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     |
| 1640 | Cognitive dysfunction associated with anti-glutamic acid decarboxylase autoimmunity: a case-control study. <b>2013</b> , 13, 76   | 15     |
| 1639 | Dynamic neural network reorganization associated with second language vocabulary acquisition: a multimodal imaging study. <b>2013</b> , 33, 13663-72  | 131    |
| 1638 | Functional Imaging and Modeling of the Heart. <b>2013</b> ,   | 12     |
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| 1636 | MR imaging and cognitive correlates of relapsing-remitting multiple sclerosis patients with cerebellar symptoms. <b>2013</b> , 260, 1358-66   | 24  |
| 1635 | Comparison of different methods of spatial normalization of FDG-PET brain images in the voxel-wise analysis of MCI patients and controls. <b>2013</b> , 27, 600-9   | 24  |
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| 1632 | Modulations of the executive control network by stimulus onset asynchrony in a Stroop task. <b>2013</b> , 14, 79  | 21  |
| 1631 | Neural correlates of obsessive-compulsive related dysfunctional beliefs. <b>2013</b> , 47, 25-32  | 16  |
| 1630 | White-matter density abnormalities in depressive patients with and without childhood neglect: a voxel-based morphometry (VBM) analysis. <b>2013</b> , 550, 23-8   | 16  |
| 1629 | Geodesics, Parallel Transport & One-Parameter Subgroups for Diffeomorphic Image Registration. <b>2013</b> , 105, 111-127  | 40  |
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| 1627 | Interleukin-8 and interleukin-10, brain volume and microstructure, and the influence of calorie restriction in old rhesus macaques. <b>2013</b> , 35, 2215-27   | 43  |
| 1626 | 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  |
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| 1623 | Relationship between frontostriatal morphology and executive function deficits in bipolar I disorder following a first manic episode: data from the Systematic Treatment Optimization Program for Early Mania (STOP-EM). <b>2013</b> , 15, 657-68 | 19  |
| 1622 | Predictive classification of individual magnetic resonance imaging scans from children and adolescents. <b>2013</b> , 22, 733-44  | 20  |
| 1621 | Differential processing of thematic and categorical conceptual relations in spoken word production. <b>2013</b> , 142, 131-142  | 70  |
| 1620 | Fibromyalgia interacts with age to change the brain. <b>2013</b> , 3, 249-60  | 62  |
| 1619 | The hippocampus extrapolates beyond the view in scenes: an fMRI study of boundary extension. <b>2013</b> , 49, 2067-79  | 46  |

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| 1618 | 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     |
| 1617 | 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    |
| 1616 | Structural and functional cortical disconnection in Alzheimer's disease: a combined study using diffusion tensor imaging and transcranial magnetic stimulation. <b>2013</b> , 212, 192-200              | 19     |
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| 1612 | White matter microstructural damage in Alzheimer's disease at different ages of onset. <b>2013</b> , 34, 2331-40  | 32     |
| 1611 | Rumination mediates the relationship between structural variations in ventrolateral prefrontal cortex and sensitivity to negative life events. <b>2013</b> , 255, 255-64                                | 16     |
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| 1609 | Effect of aging on the cerebral processing of thermal pain in the human brain. <b>2013</b> , 154, 2120-2129   | 28     |
| 1608 | 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     |
| 1607 | Multimodal image analysis of sensorimotor gating in healthy women. <b>2013</b> , 1499, 61-8   | 13     |
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| 1605 | Striatal morphology in early-onset and late-onset Alzheimer's disease: a preliminary study. <b>2013</b> , 34, 1728-39   | 36     |
| 1604 | Parcellation of the human substantia nigra based on anatomical connectivity to the striatum. <i>NeuroImage</i> , <b>2013</b> , 81, 191-198  | 7.9 44 |
| 1603 | Random Spatial Structure of Geometric Deformations and Bayesian Nonparametrics. <b>2013</b> , 120-127   | 1      |
| 1602 | Characterising reward outcome signals in sensory cortex. <i>NeuroImage</i> , <b>2013</b> , 83, 329-34   | 7.9 12 |
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| 1600 | Altered brain morphometry in carpal tunnel syndrome is associated with median nerve pathology. <b>2013</b> , 2, 313-319   |     | 42  |
| 1599 | The salience network causally influences default mode network activity during moral reasoning. <b>2013</b> , 136, 1929-41   |     | 143 |
| 1598 | Handedness and language learning disability differentially distribute in progressive aphasia variants. <b>2013</b> , 136, 3461-73   |     | 100 |
| 1597 | Modeling Shapes with Higher-Order Graphs: Methodology and Applications. <b>2013</b> , 459-471   |     | 2   |
| 1596 | An investigation of changes in regional gray matter volume in cardiovascular disease patients, pre and post cardiovascular rehabilitation. <b>2013</b> , 3, 388-95        |     | 25  |
| 1595 | How early can we predict Alzheimer's disease using computational anatomy?. <b>2013</b> , 34, 2815-26  |     | 67  |
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| 1593 | Sex differences in the human brain and the impact of sex chromosomes and sex hormones. <b>2013</b> , 23, 2322-36  |     | 97  |
| 1592 | Comparison of diffusion-weighted fMRI and BOLD fMRI responses in a verbal working memory task. <i>NeuroImage</i> , <b>2013</b> , 67, 25-32                                | 7.9 | 19  |
| 1591 | Heightened emotional contagion in mild cognitive impairment and Alzheimer's disease is associated with temporal lobe degeneration. <b>2013</b> , 110, 9944-9              |     | 106 |
| 1590 | Structural and cognitive deficits in chronic carbon monoxide intoxication: a voxel-based morphometry study. <b>2013</b> , 13, 129   |     | 16  |
| 1589 | Poor balance and lower gray matter volume predict falls in older adults with mild cognitive impairment. <b>2013</b> , 13, 102   |     | 27  |
| 1588 | White matter hyperintensities predict low frequency hearing in older adults. <b>2013</b> , 14, 425-33   |     | 30  |
| 1587 | Disrupted default mode network connectivity in migraine without aura. <b>2013</b> , 14, 89  |     | 105 |
| 1586 | Reduced striatal responses to reward prediction errors in older compared with younger adults. <b>2013</b> , 33, 9905-12   |     | 95  |
| 1585 | Geodesics-based image registration: applications to biological and medical images depicting concentric ring patterns. <b>2013</b> , 22, 4436-46                           |     | 4   |
| 1584 | Prenatal cocaine exposure and gray matter volume in adolescent boys and girls: relationship to substance use initiation. <b>2013</b> , 74, 482-9                          |     | 31  |
| 1583 | Hybrid feature-based diffeomorphic registration for tumor tracking in 2-D liver ultrasound images. <b>2013</b> , 32, 1647-56  |     | 29  |

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| 1582 | A Sharp Sufficient Condition for B-Spline Vector Field Invertibility. Application to Diffeomorphic Registration and Interslice Interpolation. <b>2013</b> , 6, 2236-2257 | 4  |
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| 1578 | Voxel-based morphometry analyses in Alzheimer's disease. <b>2013</b> ,   | 2  |
| 1577 | Visual feedback discordance mediates changes in brain activity and effective connectivity: A stroke fMRI dynamic causal modeling study. <b>2013</b> ,                    | 2  |
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| 1572 | 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 |
| 1571 | Voxel-based morphometry with templates and validation in a mouse model of Huntington's disease. <b>2013</b> , 31, 1522-31  | 49 |
| 1570 | Neuroanatomical deficits in drug-naïve adult patients with generalized social anxiety disorder: a voxel-based morphometry study. <b>2013</b> , 214, 9-15                 | 35 |
| 1569 | Antidepressant effects of sertraline associated with volume increases in dorsolateral prefrontal cortex. <b>2013</b> , 146, 414-9  | 67 |
| 1568 | Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. <b>2013</b> , 3, 84-94  | 49 |
| 1567 | Decreased medial temporal lobe activation in BDNF (66)Met allele carriers during memory encoding. <b>2013</b> , 51, 2462-8   | 11 |
| 1566 | Single subject fMRI test-retest reliability metrics and confounding factors. <i>NeuroImage</i> , <b>2013</b> , 69, 231-437.9   | 64 |
| 1565 | Cortical and white matter alterations in patients with neuropathic pain after spinal cord injury. <b>2013</b> , 1540, 64-73  | 70 |

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| 1564 | 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  |
| 1563 | Brain structure in asymptomatic FMR1 premutation carriers at risk for fragile X-associated tremor/ataxia syndrome. <b>2013</b> , 34, 1700-7                                |     | 47  |
| 1562 | Decreased gray matter volume of the medial orbitofrontal cortex in panic disorder with agoraphobia: a preliminary study. <b>2013</b> , 45, 195-200                         |     | 15  |
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| 1556 | LCC-Demons: a robust and accurate symmetric diffeomorphic registration algorithm. <i>NeuroImage</i> , <b>2013</b> , 81, 470-483  | 7.9 | 107 |
| 1555 | Arterial spin labeled MRI in prodromal Alzheimer's disease: A multi-site study. <b>2013</b> , 2, 630-6   |     | 65  |
| 1554 | Groupwise spatial normalization of fMRI data based on multi-range functional connectivity patterns. <i>NeuroImage</i> , <b>2013</b> , 82, 355-72                           | 7.9 | 17  |
| 1553 | Visual print tuning deficits in dyslexic adolescents under minimized phonological demands. <i>NeuroImage</i> , <b>2013</b> , 74, 58-69                                     | 7.9 | 35  |
| 1552 | Different patterns of gray matter atrophy in early- and late-onset Alzheimer's disease. <b>2013</b> , 34, 2014-22  |     | 120 |
| 1551 | Septal nuclei enlargement in human temporal lobe epilepsy without mesial temporal sclerosis. <b>2013</b> , 80, 487-91  |     | 23  |
| 1550 | The thalamus in cirrhotic patients with and without hepatic encephalopathy: a volumetric MRI study. <b>2013</b> , 82, e715-20  |     | 17  |
| 1549 | Neuroanatomical correlates of biological motion detection. <b>2013</b> , 51, 457-63  |     | 84  |
| 1548 | Reduced striatal brain volumes in non-medicated adult ADHD patients with comorbid cocaine dependence. <b>2013</b> , 131, 198-203   |     | 25  |
| 1547 | Discrimination between schizophrenia and major depressive disorder by magnetic resonance imaging of the female brain. <b>2013</b> , 47, 1383-8                             |     | 23  |

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| 1546 | Voxel-based morphometry and histological analysis for evaluating hippocampal damage in a rat model of cardiopulmonary resuscitation. <i>NeuroImage</i> , <b>2013</b> , 77, 215-21        | 7.9 | 21  |
| 1545 | Encoding- and retrieval-related brain activity underlying false recognition. <b>2013</b> , 76, 240-50  |     | 9   |
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| 1543 | Local landmark alignment for high-resolution fMRI group studies: toward a fine cortical investigation of hand movements in human. <b>2013</b> , 218, 83-95                               |     | 9   |
| 1542 | Abnormal gray and white matter volume in delusional infestation. <b>2013</b> , 46, 19-24   |     | 24  |
| 1541 | Distinct neuroanatomical bases of episodic and semantic memory performance in Alzheimer's disease. <b>2013</b> , 51, 930-7   |     | 56  |
| 1540 | Rapid changes in brain structure predict improvements induced by perceptual learning. <i>NeuroImage</i> , <b>2013</b> , 81, 205-212  | 7.9 | 21  |
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| 1537 | An fMRI study of episodic encoding across the lifespan: changes in subsequent memory effects are evident by middle-age. <b>2013</b> , 51, 448-56   |     | 59  |
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| 1535 | In vivo evaluation of gray and white matter volume loss in the parkinsonian variant of multiple system atrophy using SPM8 plus DARTEL for VBM. <b>2013</b> , 2, 491-6                    |     | 29  |
| 1534 | Relation between structural and functional connectivity in major depressive disorder. <b>2013</b> , 74, 40-7   |     | 145 |
| 1533 | Monoaminergic dysfunction in recreational users of dexamphetamine. <b>2013</b> , 23, 1491-502  |     | 15  |
| 1532 | Elevated gray matter volume of the emotional cerebellum in women with premenstrual dysphoric disorder. <b>2013</b> , 146, 266-71   |     | 18  |
| 1531 | Readiness to change and brain damage in patients with chronic alcoholism. <b>2013</b> , 213, 202-9   |     | 27  |
| 1530 | KIBRA gene variants are associated with synchronization within the default-mode and executive control networks. <i>NeuroImage</i> , <b>2013</b> , 69, 213-22                             | 7.9 | 17  |
| 1529 | Functionally informed cortex based alignment: an integrated approach for whole-cortex macro-anatomical and ROI-based functional alignment. <i>NeuroImage</i> , <b>2013</b> , 83, 1002-10 | 7.9 | 33  |

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| 1528 | Prediction of individual subject's age across the human lifespan using diffusion tensor imaging: a machine learning approach. <i>NeuroImage</i> , <b>2013</b> , 75, 58-67                        | 7.9 | 71  |
| 1527 | Regional gray matter volume differences and sex-hormone correlations as a function of menstrual cycle phase and hormonal contraceptives use. <b>2013</b> , 1530, 22-31                           |     | 47  |
| 1526 | Comparison of two nonlinear registration techniques to investigate brain atrophy patterns in normal aging. <b>2013</b> , 40, 326-34  |     | 2   |
| 1525 | Structural basis of the fronto-thalamic dysconnectivity in schizophrenia: A combined DCM-VBM study. <b>2013</b> , 3, 95-105  |     | 28  |
| 1524 | Resting-state cerebral blood flow in amygdala is modulated by sex and serotonin transporter genotype. <i>NeuroImage</i> , <b>2013</b> , 76, 90-7   | 7.9 | 13  |
| 1523 | In vivo visualization of the PICA perfusion territory with super-selective pseudo-continuous arterial spin labeling MRI. <i>NeuroImage</i> , <b>2013</b> , 83, 58-65                             | 7.9 | 15  |
| 1522 | Anatomical coupling between distinct metacognitive systems for memory and visual perception. <b>2013</b> , 33, 1897-906  |     | 175 |
| 1521 | Sex differences in decreased limbic and cortical grey matter volume in cocaine dependence: a voxel-based morphometric study. <b>2013</b> , 18, 147-60  |     | 43  |
| 1520 | Techniques for visualization of cell-cell contact at the fetal-maternal interface. <b>2013</b> , 69, 419-26  |     | 5   |
| 1519 | Spatial and Anatomical Regularization of SVM: A General Framework for Neuroimaging Data. <b>2013</b> , 35, 682-96  |     | 52  |
| 1518 | Dopamine restores reward prediction errors in old age. <b>2013</b> , 16, 648-53  |     | 173 |
| 1517 | Relationship between large-scale functional and structural covariance networks in idiopathic generalized epilepsy. <b>2013</b> , 3, 240-54   |     | 49  |
| 1516 | Nonrigid image registration with crystal dislocation energy. <b>2013</b> , 22, 229-43  |     | 4   |
| 1515 | Hierarchical functional connectivity between the core language system and the working memory system. <b>2013</b> , 49, 2416-23   |     | 52  |
| 1514 | Piecewise-diffeomorphic image registration: application to the motion estimation between 3D CT lung images with sliding conditions. <b>2013</b> , 17, 182-93                                     |     | 57  |
| 1513 | Revisiting the functional specialization of left inferior frontal gyrus in phonological and semantic fluency: the crucial role of task demands and individual ability. <b>2013</b> , 33, 7837-45 |     | 95  |
| 1512 | Heroin abuse accelerates biological aging: a novel insight from telomerase and brain imaging interaction. <b>2013</b> , 3, e260  |     | 53  |
| 1511 | Toward a neuroimaging treatment selection biomarker for major depressive disorder. <b>2013</b> , 70, 821-9   |     | 352 |



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| 1510 | Distributed effects of methylphenidate on the network structure of the resting brain: a connectomic pattern classification analysis. <i>NeuroImage</i> , <b>2013</b> , 81, 213-221 | 7.9 | 32   |
| 1509 | Brain correlates of pro-social personality traits: a voxel-based morphometry study. <b>2013</b> , 7, 293-9   |     | 33   |
| 1508 | Predicting the Age of Healthy Adults from Structural MRI by Sparse Representation. <b>2013</b> , 271-279   |     | 2    |
| 1507 | Volume reductions in frontopolar and left perisylvian cortices in methamphetamine induced psychosis. <b>2013</b> , 147, 355-61   |     | 25   |
| 1506 | Structural brain correlates of human sleep oscillations. <i>NeuroImage</i> , <b>2013</b> , 83, 658-68  | 7.9 | 56   |
| 1505 | Detecting changes in scenes: the hippocampus is critical for strength-based perception. <b>2013</b> , 78, 1127-37  |     | 90   |
| 1504 | Abnormal network connectivity in frontotemporal dementia: evidence for prefrontal isolation. <b>2013</b> , 49, 1856-73   |     | 134  |
| 1503 | Widespread decreased grey and white matter in paediatric obsessive-compulsive disorder (OCD): a voxel-based morphometric MRI study. <b>2013</b> , 213, 11-7                        |     | 10   |
| 1502 | 4D Modeling and Estimation of Respiratory Motion for Radiation Therapy. <b>2013</b> ,  |     | 21   |
| 1501 | A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. <i>NeuroImage</i> , <b>2013</b> , 76, 183-201                    | 7.9 | 1016 |
| 1500 | Standardizing the intrinsic brain: towards robust measurement of inter-individual variation in 1000 functional connectomes. <i>NeuroImage</i> , <b>2013</b> , 80, 246-62           | 7.9 | 296  |
| 1499 | Regional gray matter reductions are associated with genetic liability for anxiety and depression: an MRI twin study. <b>2013</b> , 149, 175-81                                     |     | 21   |
| 1498 | Other Gait Disorders. <b>2013</b> , 247-273  |     |      |
| 1497 | A survey of shaped-based registration and segmentation techniques for cardiac images. <b>2013</b> , 117, 966-989   |     | 92   |
| 1496 | Brain volumes differ between diagnostic groups of violent criminal offenders. <b>2013</b> , 263, 593-606   |     | 61   |
| 1495 | Neural correlates of stimulus response and stimulus outcome shifting in healthy participants and MS patients. <b>2013</b> , 81, 57-66  |     | 2    |
| 1494 | Gray matter abnormalities in social anxiety disorder: primary, replication, and specificity studies. <b>2013</b> , 73, 75-84   |     | 72   |
| 1493 | Single-image super-resolution of brain MR images using overcomplete dictionaries. <b>2013</b> , 17, 113-32   |     | 115  |

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| 1492 | Altered hemispheric symmetry found in left-sided mesial temporal lobe epilepsy with hippocampal sclerosis (MTLE/HS) but not found in right-sided MTLE/HS. <b>2013</b> , 31, 53-9                   |     | 11  |
| 1491 | Defining the habenula in human neuroimaging studies. <i>NeuroImage</i> , <b>2013</b> , 64, 722-7   | 7.9 | 69  |
| 1490 | Binary classification of $^{18}$ F-flutemetamol PET using machine learning: comparison with visual reads and structural MRI. <i>NeuroImage</i> , <b>2013</b> , 64, 517-25                          | 7.9 | 37  |
| 1489 | Posteromedial cortex glutamate and GABA predict intrinsic functional connectivity of the default mode network. <i>NeuroImage</i> , <b>2013</b> , 64, 112-9   | 7.9 | 138 |
| 1488 | Subject position affects EEG magnitudes. <i>NeuroImage</i> , <b>2013</b> , 64, 476-84  | 7.9 | 87  |
| 1487 | Fear bradycardia and activation of the human periaqueductal grey. <i>NeuroImage</i> , <b>2013</b> , 66, 278-87   | 7.9 | 86  |
| 1486 | Putting an "end" to the motor cortex representations of action words. <b>2013</b> , 25, 1957-74  |     | 48  |
| 1485 | Single dose of L-dopa makes extinction memories context-independent and prevents the return of fear. <b>2013</b> , 110, E2428-36   |     | 143 |
| 1484 | Brain activation during masked and unmasked semantic priming: commonalities and differences. <b>2013</b> , 25, 2216-29   |     | 21  |
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| 1482 | Selective brain gray matter atrophy associated with APOE $\epsilon$ 4 and MAPT H1 in subjects with mild cognitive impairment. <b>2013</b> , 33, 1009-19  |     | 17  |
| 1481 | Multistrukture large deformation diffeomorphic brain registration. <b>2013</b> , 60, 544-53  |     | 14  |
| 1480 | Language aptitude for pronunciation in advanced second language (L2) learners: behavioural predictors and neural substrates. <b>2013</b> , 127, 366-76   |     | 75  |
| 1479 | Diffeomorphic brain mapping based on T1-weighted images: improvement of registration accuracy by multichannel mapping. <b>2013</b> , 37, 76-84   |     | 26  |
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| 1476 | The pattern of atrophy in familial Alzheimer disease: volumetric MRI results from the DIAN study. <b>2013</b> , 81, 1425-33  |     | 56  |
| 1475 | Multiparameter MR imaging in the 6-OPRI variant of inherited prion disease. <b>2013</b> , 34, 1723-30  |     | 8   |

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| 1474 | Distributed, limbic gray matter atrophy in patients after bacterial meningitis. <b>2013</b> , 34, 1164-7   | 7   |
| 1473 | Widespread white matter alterations in patients with end-stage renal disease: a voxelwise diffusion tensor imaging study. <b>2013</b> , 34, 1945-51          | 45  |
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| 1470 | Combined white matter imaging suggests myelination defects in visual processing regions in schizophrenia. <b>2013</b> , 38, 1808-15                          | 55  |
| 1469 | Yoga increases the volume of the hippocampus in elderly subjects. <b>2013</b> , 55, S394-6   | 41  |
| 1468 | Family history of alcohol dependence and gray matter abnormalities in non-alcoholic adults. <b>2013</b> , 14, 565-73   | 21  |
| 1467 | Generative FDG-PET and MRI model of aging and disease progression in Alzheimer's disease. <b>2013</b> , 9, e1002987  | 56  |
| 1466 | Morphometric differences in central stress-regulating structures between women with and without borderline personality disorder. <b>2013</b> , 38, 129-37    | 56  |
| 1465 | Brain structural alterations in obsessive-compulsive disorder patients with autogenous and reactive obsessions. <b>2013</b> , 8, e75273                      | 23  |
| 1464 | Interactive multigrid refinement for deformable image registration. <b>2013</b> , 2013, 532936   |     |
| 1463 | A critical role for the hippocampus in the valuation of imagined outcomes. <b>2013</b> , 11, e1001684  | 61  |
| 1462 | Brain morphometric changes associated with childhood-onset systemic lupus erythematosus and neurocognitive deficit. <b>2013</b> , 65, 2190-200               | 18  |
| 1461 | Orbitofrontal cortex and olfactory bulb volume predict distinct aspects of olfactory performance in healthy subjects. <b>2013</b> , 23, 2448-56              | 85  |
| 1460 | Classification for Alzheimer's Disease from Structural MRI by General N-Dimensional Principal Component Analysis. <b>2013</b> , 336-338, 2316-2319           |     |
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| 1458 | Biological sex affects the neurobiology of autism. <b>2013</b> , 136, 2799-815   | 198 |
| 1457 | Relative ability of fat and sugar tastes to activate reward, gustatory, and somatosensory regions. <b>2013</b> , 98, 1377-84                                 | 144 |

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| 1455 | Initial human PET studies of metabotropic glutamate receptor type 1 ligand 11C-ITMM. <b>2013</b> , 54, 1302-7  | 30  |
| 1454 | Increased gray matter volume in the right angular and posterior parahippocampal gyri in loving-kindness meditators. <b>2013</b> , 8, 34-9  | 99  |
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| 1451 | Cognitive impairment in MS: impact of white matter integrity, gray matter volume, and lesions. <b>2013</b> , 80, 1025-32   | 121 |
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| 1442 | Nonrigid medical image registration based on mesh deformation constraints. <b>2013</b> , 2013, 373082  | 0   |
| 1441 | Stress and the healthy adolescent brain: evidence for the neural embedding of life events. <b>2013</b> , 25, 879-89  | 37  |
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| 1439 | Peer relationships of children with traumatic brain injury. <b>2013</b> , 19, 518-27   | 54  |

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| 1438 | Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimer's disease. <b>2013</b> , 136, 1399-414                                  | 148 |
| 1437 | Processing noncanonical sentences in broca's region: reflections of movement distance and type. <b>2013</b> , 23, 694-702   | 27  |
| 1436 | False positives to confusable objects predict medial temporal lobe atrophy. <b>2013</b> , 23, 832-41  | 11  |
| 1435 | Complementary roles of medial temporal lobes and mid-dorsolateral prefrontal cortex for working memory for novel and familiar trial-unique visual stimuli. <b>2013</b> , 37, 668-78 | 14  |
| 1434 | Mathematical Methodologies in Pattern Recognition and Machine Learning. <b>2013</b> ,   | 1   |
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| 1432 | Hippocampus and retrosplenial cortex combine path integration signals for successful navigation. <b>2013</b> , 33, 19304-13   | 97  |
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| 1430 | Independent component analysis on Lie groups for multi-object analysis of first episode depression. <b>2013</b> ,   | 0   |
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| 1426 | Normal gray and white matter volume after weight restoration in adolescents with anorexia nervosa. <b>2013</b> , 46, 841-8  | 34  |
| 1425 | Association between iron content and gray matter missegmentation with voxel-based morphometry in basal ganglia. <b>2013</b> , 38, 958-62  | 11  |
| 1424 | White matter abnormalities in Parkinson's disease patients with glucocerebrosidase gene mutations. <b>2013</b> , 28, 772-8  | 24  |
| 1423 | Comparison of Features for Voxel-Based Analysis and Classification of Anatomical Neuroimaging Data. <b>2013</b> ,   | 1   |
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| 1417 | Brain characteristics of individuals resisting age-related cognitive decline over two decades. <b>2013</b> , 33, 8668-77   | 76  |
| 1416 | Structural covariance of the default network in healthy and pathological aging. <b>2013</b> , 33, 15226-34   | 87  |
| 1415 | Cortical and subcortical brain atrophy in Parkinson's disease with visual hallucination. <b>2013</b> , 28, 1732-6  | 53  |
| 1414 | Cognitive regulation of food craving: effects of three cognitive reappraisal strategies on neural response to palatable foods. <b>2013</b> , 37, 1565-70           | 113 |
| 1413 | Role of the ventral striatum in developing anorexia nervosa. <b>2013</b> , 3, e315   | 47  |
| 1412 | State-dependent changes in hippocampal grey matter in depression. <b>2013</b> , 18, 1265-72  | 205 |
| 1411 | White-matter lesions drive deep gray-matter atrophy in early multiple sclerosis: support from structural MRI. <b>2013</b> , 19, 1485-92                            | 43  |
| 1410 | Image registration based on dynamic directed graphs with groupwise image similarity. <b>2013</b> ,   | 4   |
| 1409 | Reduced regional gray matter volume in patients with chronic obstructive pulmonary disease: a voxel-based morphometry study. <b>2013</b> , 34, 334-9               | 42  |
| 1408 | Heterogeneity of brain lesions in pediatric traumatic brain injury. <b>2013</b> , 27, 438-51   | 86  |
| 1407 | Computation on shape manifold for atlas generation: application to whole heart segmentation of cardiac MRI. <b>2013</b> ,  |     |
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| 1404 | Daytime sleepiness is associated with decreased default mode network connectivity in both young and cognitively intact elderly subjects. <b>2013</b> , 36, 1609-15 | 40  |
| 1403 | A brief history of voxel-based grey matter analysis in Alzheimer's disease. <b>2014</b> , 38, 647-59   | 24  |

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| 1402 | Insomnia does not appear to be associated with substantial structural brain changes. <b>2013</b> , 36, 731-7   | 71 |
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| 1397 | Multi-object statistical analysis of late adolescent depression. <b>2013</b> ,   | 0  |
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| 1394 | Progranulin mutations as risk factors for Alzheimer disease. <b>2013</b> , 70, 774-8   | 84 |
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| 1392 | A multimodal evaluation of microstructural white matter damage in spinocerebellar ataxia type 3. <b>2013</b> , 28, 1125-32   | 55 |
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| 1390 | A GPU approach for accelerating 3D deformable registration (DARTEL) on brain biomedical images. <b>2013</b> ,  | 5  |
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| 1388 | Comparing brain amyloid deposition, glucose metabolism, and atrophy in mild cognitive impairment with and without a family history of dementia. <b>2013</b> , 35, 509-24     | 31 |
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| 1386 | Statistical Analysis of Brain MRI Data. <b>2013</b> , 33, 145-174  | 1  |
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| 1384 | Effect of Bcl-2 rs956572 polymorphism on age-related gray matter volume changes. <b>2013</b> , 8, e56663  | 9  |
| 1383 | Exercise challenge in Gulf War Illness reveals two subgroups with altered brain structure and function. <b>2013</b> , 8, e63903   | 56 |
| 1382 | Associations between white matter hyperintensities and amyloid on integrity of projection, association, and limbic fiber tracts measured with diffusion tensor MRI. <b>2013</b> , 8, e65175             | 63 |
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| 1380 | Structural modulation of brain development by oxygen: evidence on adolescents migrating from high altitude to sea level environment. <b>2013</b> , 8, e67803  | 8  |
| 1379 | Fully Bayesian inference for structural MRI: application to segmentation and statistical analysis of T2-hypointensities. <b>2013</b> , 8, e68196  | 5  |
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| 1376 | Increased ventral striatal volume in college-aged binge drinkers. <b>2013</b> , 8, e74164   | 45 |
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| 1373 | Relating inter-individual differences in verbal creative thinking to cerebral structures: an optimal voxel-based morphometry study. <b>2013</b> , 8, e79272   | 40 |
| 1372 | Structural brain changes as biomarkers and outcome predictors in patients with late-life depression: a cross-sectional and prospective study. <b>2013</b> , 8, e80049                                   | 26 |
| 1371 | Grey matter correlates of three language tests in non-demented older adults. <b>2013</b> , 8, e80215  | 17 |
| 1370 | Morphologic and functional connectivity alterations of corticostriatal and default mode network in treatment-naïve patients with obsessive-compulsive disorder. <b>2013</b> , 8, e83931                 | 48 |
| 1369 | Disorder-specific predictive classification of adolescents with attention deficit hyperactivity disorder (ADHD) relative to autism using structural magnetic resonance imaging. <b>2013</b> , 8, e63660 | 66 |
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| 1366 | Clinical utility of machine-learning approaches in schizophrenia: improving diagnostic confidence for translational neuroimaging. <b>2013</b> , 4, 95                         | 51  |
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| 1364 | Age-related vulnerability in the neural systems supporting semantic processing. <b>2013</b> , 5, 46   | 18  |
| 1363 | A combined electrophysiological and morphological examination of episodic memory decline in amnesic mild cognitive impairment. <b>2013</b> , 5, 51                            | 11  |
| 1362 | Using Voxel-Based Morphometry to Examine the Relationship between Regional Brain Volumes and Memory Performance in Amnesic Mild Cognitive Impairment. <b>2013</b> , 7, 89     | 13  |
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| 1360 | Methodological considerations in longitudinal morphometry of traumatic brain injury. <b>2013</b> , 7, 52  | 6   |
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| 1358 | Structural basis of empathy and the domain general region in the anterior insular cortex. <b>2013</b> , 7, 177  | 62  |
| 1357 | Recollection, familiarity, and content-sensitivity in lateral parietal cortex: a high-resolution fMRI study. <b>2013</b> , 7, 219   | 47  |
| 1356 | Cerebral responses to vocal attractiveness and auditory hallucinations in schizophrenia: a functional MRI study. <b>2013</b> , 7, 221   | 11  |
| 1355 | Structural changes in left fusiform areas and associated fiber connections in children with abacus training: evidence from morphometry and tractography. <b>2013</b> , 7, 335 | 28  |
| 1354 | Scene perception in posterior cortical atrophy: categorization, description and fixation patterns. <b>2013</b> , 7, 621   | 14  |
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| 1352 | Functional and anatomical correlates of word-, sentence-, and discourse-level integration in sign language. <b>2013</b> , 7, 681  | 4   |
| 1351 | Individual structural differences in left inferior parietal area are associated with schoolchildrens' arithmetic scores. <b>2013</b> , 7, 844                                 | 27  |
| 1350 | Addressing head motion dependencies for small-world topologies in functional connectomics. <b>2013</b> , 7, 910   | 125 |
| 1349 | Explicit B-spline regularization in diffeomorphic image registration. <b>2013</b> , 7, 39   | 131 |

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| 1348 | Fast parallel image registration on CPU and GPU for diagnostic classification of Alzheimer's disease. <b>2013</b> , 7, 50  | 233 |
| 1347 | Symmetric diffeomorphic modeling of longitudinal structural MRI. <b>2012</b> , 6, 197  | 203 |
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| 1344 | Brain Structure MR Imaging Methods: Morphometry and Tractography. <b>2013</b> ,  |     |
| 1343 | Reduced right frontal fractional anisotropy correlated with early elevated plasma LDL levels in obese young adults. <b>2014</b> , 9, e108180   | 15  |
| 1342 | Frequent seizures are associated with a network of gray matter atrophy in temporal lobe epilepsy with or without hippocampal sclerosis. <b>2014</b> , 9, e85843                                | 48  |
| 1341 | Association of structural global brain network properties with intelligence in normal aging. <b>2014</b> , 9, e86258   | 46  |
| 1340 | The self-liking brain: a VBM study on the structural substrate of self-esteem. <b>2014</b> , 9, e86430   | 23  |
| 1339 | Relationship between personality and gray matter volume in healthy young adults: a voxel-based morphometric study. <b>2014</b> , 9, e88763   | 50  |
| 1338 | Connectivity changes underlying neurofeedback training of visual cortex activity. <b>2014</b> , 9, e91090  | 21  |
| 1337 | Multiple white matter volume reductions in patients with panic disorder: relationships between orbitofrontal Gyrus volume and symptom severity and social dysfunction. <b>2014</b> , 9, e92862 | 10  |
| 1336 | Females and males rely on different cortical regions in Raven's Matrices reasoning capacity: evidence from a voxel-based morphometry study. <b>2014</b> , 9, e93104                            | 9   |
| 1335 | Structural and functional cerebral correlates of hypnotic suggestibility. <b>2014</b> , 9, e93187  | 14  |
| 1334 | DRD2/CHRNA5 interaction on prefrontal biology and physiology during working memory. <b>2014</b> , 9, e95997  | 14  |
| 1333 | Functional and structural correlates of motor speed in the cerebellar anterior lobe. <b>2014</b> , 9, e96871   | 17  |
| 1332 | A multi-methodological MR resting state network analysis to assess the changes in brain physiology of children with ADHD. <b>2014</b> , 9, e99119  | 25  |
| 1331 | Neural correlates associated with successful working memory performance in older adults as revealed by spatial ICA. <b>2014</b> , 9, e99250  | 9   |

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| 1142 | Gray and white matter correlates of navigational ability in humans. <b>2014, 35, 2561-72</b>  |     | 31  |
| 1141 | The feedback-related negativity (FRN) revisited: new insights into the localization, meaning and network organization. <i>NeuroImage</i> , <b>2014, 84, 159-68</b>  | 7.9 | 261 |
| 1140 | Amount of lifetime video gaming is positively associated with entorhinal, hippocampal and occipital volume. <b>2014, 19, 842-7</b>  |     | 107 |
| 1139 | Bayesian estimation of probabilistic atlas for tissue segmentation. <b>2014, 35, 27-32</b>  |     | 2   |
| 1138 | Neuroanatomical abnormalities and cognitive impairments are shared by adults with attention-deficit/hyperactivity disorder and their unaffected first-degree relatives. <b>2014, 76, 639-47</b>   |     | 59  |
| 1137 | Neural correlates of experimentally induced flow experiences. <i>NeuroImage</i> , <b>2014, 86, 194-202</b>  | 7.9 | 117 |
| 1136 | Accuracy and precision of pseudo-continuous arterial spin labeling perfusion during baseline and hypercapnia: a head-to-head comparison with $^{15}\text{O}$ HD positron emission tomography. <i>NeuroImage</i> , <b>2014, 92, 182-92</b> | 7.9 | 101 |
| 1135 | Comparison of human septal nuclei MRI measurements using automated segmentation and a new manual protocol based on histology. <i>NeuroImage</i> , <b>2014, 97, 245-51</b>   | 7.9 | 16  |
| 1134 | Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. <i>NeuroImage</i> , <b>2014, 93 Pt 1, 124-37</b>   | 7.9 | 81  |
| 1133 | A combined effect of two Alzheimer's risk genes on medial temporal activity during executive attention in young adults. <b>2014, 56, 1-8</b>  |     | 23  |

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| 1132 | Distinct pattern of hypometabolism and atrophy in preclinical and prodementia Alzheimer's disease. <b>2014</b> , 35, 1973-81  | 38  |
| 1131 | Olfactory performance acts as a cognitive reserve in non-demented patients with Parkinson's disease. <b>2014</b> , 20, 186-91   | 22  |
| 1130 | Reduced FDG-PET brain metabolism and executive function predict clinical progression in elderly healthy subjects. <b>2014</b> , 4, 45-52  | 78  |
| 1129 | Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. <b>2014</b> , 35, 1862-72   | 182 |
| 1128 | Discovering brain regions relevant to obsessive-compulsive disorder identification through bagging and transduction. <b>2014</b> , 18, 435-48   | 27  |
| 1127 | Effects of study design in multi-scanner voxel-based morphometry studies. <i>NeuroImage</i> , <b>2014</b> , 84, 133-40.9  | 33  |
| 1126 | Brain atrophy in primary progressive aphasia involves the cholinergic basal forebrain and Ayala's nucleus. <b>2014</b> , 221, 187-94  | 18  |
| 1125 | Differential vulnerability of gray matter and white matter to intrauterine growth restriction in preterm infants at 12 months corrected age. <b>2014</b> , 1545, 1-11                                   | 63  |
| 1124 | Correspondence of executive function related functional and anatomical alterations in aging brain. <b>2014</b> , 48, 41-50  | 39  |
| 1123 | Hippocampal activation during associative encoding of word pairs and its relation to symptomatic improvement in depression: a functional and volumetric MRI study. <b>2014</b> , 152-154, 462-7         | 18  |
| 1122 | Clinical and MRI correlates of disease progression in a case of nonfluent/agrammatic variant of primary progressive aphasia due to progranulin (GRN) Cys157LysfsX97 mutation. <b>2014</b> , 342, 167-72 | 12  |
| 1121 | Medial prefrontal cortex supports source memory for self-referenced materials in young and older adults. <b>2014</b> , 14, 236-52   | 69  |
| 1120 | Striatal volume is related to phonemic verbal fluency but not to semantic or alternating verbal fluency in early Parkinson's disease. <b>2014</b> , 121, 33-40  | 28  |
| 1119 | Morphometric analyses of the visual pathways in macular degeneration. <b>2014</b> , 56, 99-110  | 49  |
| 1118 | Medical image registration: a review. <b>2014</b> , 17, 73-93   | 389 |
| 1117 | Influence of magnetic field strength and image registration strategy on voxel-based morphometry in a study of Alzheimer's disease. <b>2014</b> , 35, 1865-74  | 25  |
| 1116 | Cognitive subtypes of dyslexia are characterized by distinct patterns of grey matter volume. <b>2014</b> , 219, 1697-707  | 48  |
| 1115 | Neural mechanisms of oxytocin receptor gene mediating anxiety-related temperament. <b>2014</b> , 219, 1543-54   | 51  |

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| 1114 | The eye of the self: precuneus volume and visual perspective during autobiographical memory retrieval. <b>2014</b> , 219, 959-68   |     | 104 |
| 1113 | Musical training intensity yields opposite effects on grey matter density in cognitive versus sensorimotor networks. <b>2014</b> , 219, 353-66                                     |     | 93  |
| 1112 | Quantitative regional validation of the visual rating scale for posterior cortical atrophy. <b>2014</b> , 24, 397-404  |     | 25  |
| 1111 | The impact of glucose disorders on cognition and brain volumes in the elderly: the Sydney Memory and Ageing Study. <b>2014</b> , 36, 977-93  |     | 48  |
| 1110 | Age estimation using cortical surface pattern combining thickness with curvatures. <b>2014</b> , 52, 331-41  |     | 40  |
| 1109 | Intensity based methods for brain MRI longitudinal registration. A study on multiple sclerosis patients. <b>2014</b> , 12, 365-79  |     | 13  |
| 1108 | Multivariate Tensor-Based Morphometry with a Right-Invariant Riemannian Distance on GL+(n). <b>2014</b> , 50, 18-31  |     | 9   |
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| 1106 | Source-based morphometry of gray matter volume in patients with schizophrenia who have persistent auditory verbal hallucinations. <b>2014</b> , 50, 102-9                          |     | 51  |
| 1105 | Brain networks disconnection in early multiple sclerosis cognitive deficits: an anatomofunctional study. <b>2014</b> , 35, 4706-17   |     | 92  |
| 1104 | Long-term effects of cannabis on brain structure. <b>2014</b> , 39, 2041-8   |     | 203 |
| 1103 | Visuoperceptive region atrophy independent of cognitive status in patients with Parkinson's disease with hallucinations. <b>2014</b> , 137, 849-59                                 |     | 103 |
| 1102 | Network diffusion accurately models the relationship between structural and functional brain connectivity networks. <i>NeuroImage</i> , <b>2014</b> , 90, 335-47                   | 7.9 | 151 |
| 1101 | Prediction of individual season of birth using MRI. <i>NeuroImage</i> , <b>2014</b> , 88, 61-8   | 7.9 | 8   |
| 1100 | Regional gray matter volume is associated with rejection sensitivity: a voxel-based morphometry study. <b>2014</b> , 14, 1077-85   |     | 7   |
| 1099 | Regionally accentuated reversible brain grey matter reduction in ultra marathon runners detected by voxel-based morphometry. <b>2014</b> , 6, 4                                    |     | 15  |
| 1098 | Regional covariance patterns of gray matter alterations in Alzheimer's disease and its replicability evaluation. <b>2014</b> , 39, 143-9   |     | 4   |
| 1097 | Validation of the automated method VIENA: an accurate, precise, and robust measure of ventricular enlargement. <b>2014</b> , 35, 1101-10   |     | 18  |

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| 1096 | Disrupted network architecture of the resting brain in attention-deficit/hyperactivity disorder. <b>2014</b> , 35, 4693-705   |     | 105 |
| 1095 | Brain alterations in adult ADHD: effects of gender, treatment and comorbid depression. <b>2014</b> , 24, 397-409  |     | 79  |
| 1094 | Investigation of brain hemodynamic changes induced by active and passive movements: a combined arterial spin labeling-BOLD fMRI study. <b>2014</b> , 40, 937-48   |     | 24  |
| 1093 | Brain microstructural changes and cognitive correlates in patients with pure obsessive compulsive disorder. <b>2014</b> , 4, 261-77   |     | 34  |
| 1092 | Impulsivity, aggression and brain structure in high and low lethality suicide attempters with borderline personality disorder. <b>2014</b> , 222, 131-9   |     | 42  |
| 1091 | Psychosis effect on hippocampal reduction in schizophrenia. <b>2014</b> , 48, 186-92  |     | 5   |
| 1090 | COMT Val158Met $\times$ 5-HTTLPR interaction impacts on gray matter volume of regions supporting emotion processing. <b>2014</b> , 9, 1232-8  |     | 13  |
| 1089 | Bilingualism protects anterior temporal lobe integrity in aging. <b>2014</b> , 35, 2126-33  |     | 109 |
| 1088 | Drawing on the right side of the brain: a voxel-based morphometry analysis of observational drawing. <i>NeuroImage</i> , <b>2014</b> , 96, 167-73   | 7.9 | 32  |
| 1087 | Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. <b>2014</b> , 111, 1156-61   |     | 116 |
| 1086 | The genetic and neuroanatomical basis of social dysfunction: lessons from neurofibromatosis type 1. <b>2014</b> , 35, 2372-82   |     | 23  |
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| 1084 | fMRI characterization of visual working memory recognition. <i>NeuroImage</i> , <b>2014</b> , 90, 413-22  | 7.9 | 19  |
| 1083 | Profiles of white matter tract pathology in frontotemporal dementia. <b>2014</b> , 35, 4163-79  |     | 84  |
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| 1078 | Converging genetic and functional brain imaging evidence links neuronal excitability to working memory, psychiatric disease, and brain activity. <b>2014</b> , 81, 1203-1213  |     | 73  |
| 1077 | Individual differences in the morphometry and activation of time perception networks are influenced by dopamine genotype. <i>NeuroImage</i> , <b>2014</b> , 89, 10-22         | 7.9 | 37  |
| 1076 | Multivariate regression approaches for surrogate-based diffeomorphic estimation of respiratory motion in radiation therapy. <b>2014</b> , 59, 1147-64                         |     | 21  |
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| 1073 | Individual differences in brain structure and resting-state functional connectivity associated with type A behavior pattern. <b>2014</b> , 272, 217-28                        |     | 7   |
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| 1071 | Disease prediction based on functional connectomes using a scalable and spatially-informed support vector machine. <i>NeuroImage</i> , <b>2014</b> , 96, 183-202              | 7.9 | 46  |
| 1070 | Gray matter differences contribute to variation in cognitive performance in Parkinson's disease. <b>2014</b> , 21, 245-52   |     | 5   |
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| 1068 | Source-based morphometry reveals distinct patterns of aberrant brain volume in delusional infestation. <b>2014</b> , 48, 112-6  |     | 24  |
| 1067 | Subregional basal forebrain atrophy in Alzheimer's disease: a multicenter study. <b>2014</b> , 40, 687-700  |     | 111 |
| 1066 | Probabilistic atlas and geometric variability estimation to drive tissue segmentation. <b>2014</b> , 33, 3576-99  |     | 3   |
| 1065 | Structural brain differences in school-age children with residual speech sound errors. <b>2014</b> , 128, 25-33   |     | 19  |
| 1064 | Visceral sensitivity correlates with decreased regional gray matter volume in healthy volunteers: a voxel-based morphometry study. <b>2014</b> , 155, 244-249                 |     | 43  |
| 1063 | Structural brain MRI abnormalities in pediatric patients with migraine. <b>2014</b> , 261, 350-7  |     | 59  |
| 1062 | CNVs conferring risk of autism or schizophrenia affect cognition in controls. <b>2014</b> , 505, 361-6  |     | 444 |
| 1061 | Cerebral gray matter volumes and low-frequency fluctuation of BOLD signals in cocaine dependence: duration of use and gender difference. <b>2014</b> , 134, 51-62             |     | 49  |

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| 1060 | Classifying social anxiety disorder using multivoxel pattern analyses of brain function and structure. <b>2014</b> , 259, 330-5   |     | 42  |
| 1059 | The structural-functional connectome and the default mode network of the human brain. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 1, 142-51  | 7.9 | 197 |
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| 1057 | Playing Super Mario induces structural brain plasticity: gray matter changes resulting from training with a commercial video game. <b>2014</b> , 19, 265-71                                     |     | 229 |
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| 1052 | Grey matter abnormalities in untreated hyperthyroidism: a voxel-based morphometry study using the DARTEL approach. <b>2014</b> , 83, e43-8  |     | 32  |
| 1051 | Different brains process numbers differently: structural bases of individual differences in spatial and nonspatial number representations. <b>2014</b> , 26, 768-76                             |     | 22  |
| 1050 | Mirrored feedback in chronic stroke: recruitment and effective connectivity of ipsilesional sensorimotor networks. <b>2014</b> , 28, 344-54   |     | 40  |
| 1049 | Brain systems underlying attentional control and emotional distraction during working memory encoding. <i>NeuroImage</i> , <b>2014</b> , 87, 276-86   | 7.9 | 19  |
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| 1045 | The structural neuroanatomy of metacognitive insight in schizophrenia and its psychopathological and neuropsychological correlates. <b>2014</b> , 35, 4729-40                                   |     | 33  |
| 1044 | No regional gray matter atrophy differences between pediatric- and adult-onset relapsing-remitting multiple sclerosis. <b>2014</b> , 24, 63-7   |     | 3   |
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| 1042 | Predictive support recovery with TV-Elastic Net penalty and logistic regression: An application to structural MRI. <b>2014,</b>                                       | 10  |
| 1041 | Comparison of dual-biomarker PIB-PET and dual-tracer PET in AD diagnosis. <b>2014, 24, 2800-9</b>   | 20  |
| 1040 | Fast local trust region technique for diffusion tensor registration using exact reorientation and regularization. <b>2014, 33, 1005-22</b>                            | 9   |
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| 1038 | Neural correlates of spelling difficulties in Alzheimer's disease. <b>2014, 65, 12-7</b>  | 6   |
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| 1036 | Neuroanatomy predicts individual risk attitudes. <b>2014, 34, 12394-401</b>   | 50  |
| 1035 | The neural correlates of worry in association with individual differences in neuroticism. <b>2014, 35, 4303-15</b>  | 53  |
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| 1032 | Dynamic modulation of amygdala-hippocampal connectivity by emotional arousal. <b>2014, 34, 13935-47</b>   | 87  |
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| 1030 | What's special about task in dystonia? A voxel-based morphometry and diffusion weighted imaging study. <b>2014, 29, 1141-50</b>                                       | 44  |
| 1029 | Comparative evaluation of registration algorithms in different brain databases with varying difficulty: results and insights. <b>2014, 33, 2039-65</b>                | 97  |
| 1028 | Frontal white matter tracts sustaining speech production in primary progressive aphasia. <b>2014, 34, 9754-67</b>   | 104 |
| 1027 | Graph analysis of functional brain networks: practical issues in translational neuroscience. <b>2014, 369,</b>  | 220 |
| 1026 | Altered coupling of regional cerebral blood flow and brain temperature in schizophrenia compared with bipolar disorder and healthy subjects. <b>2014, 34, 1868-72</b> | 15  |
| 1025 | Metaphorical sentences are more emotionally engaging than their literal counterparts. <b>2014, 26, 2585-95</b>  | 114 |

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| 1022 | Prognostic classification of mild cognitive impairment and Alzheimer's disease: MRI independent component analysis. <b>2014</b> , 224, 81-8  |     | 36  |
| 1021 | Grey matter hypometabolism and atrophy in Parkinson's disease with cognitive impairment: a two-step process. <b>2014</b> , 137, 2356-67  |     | 91  |
| 1020 | The level of audiovisual print-speech integration deficits in dyslexia. <b>2014</b> , 62, 245-61   |     | 44  |
| 1019 | Heritability of head motion during resting state functional MRI in 462 healthy twins. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 424-34   | 7.9 | 47  |
| 1018 | Voxel-based morphometry study of the insular cortex in bipolar depression. <b>2014</b> , 224, 89-95  |     | 8   |
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| 1008 | Possible involvement of rumination in gray matter abnormalities in persistent symptoms of major depression: an exploratory magnetic resonance imaging voxel-based morphometry study. <b>2014</b> , 168, 229-35 |     | 29  |
| 1007 | Energy landscape and dynamics of brain activity during human bistable perception. <b>2014</b> , 5, 4765  |     | 60  |

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| 991  | The correlation between emotional intelligence and gray matter volume in university students. <b>2014</b> , 91, 100-7   | 20  |
| 990  | Neuroanatomical correlates of dysglycemia in young children with type 1 diabetes. <b>2014</b> , 63, 343-53  | 85  |
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| 987 | A reliability study on brain activation during active and passive arm movements supported by an MRI-compatible robot. <b>2014</b> , 27, 731-46  |     | 9   |
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| 980 | A meta-cognitive interval type-2 fuzzy inference system and its projection based learning algorithm. <b>2014</b> , 5, 219-230   |     | 40  |
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| 977 | DTI correlates of cognition in conventional MRI of normal-appearing brain in patients with clinical features of subacute combined degeneration and biochemically proven vitamin B(12) deficiency. <b>2014</b> , 35, 872-7 |     | 24  |
| 976 | Mapping track density changes in nigrostriatal and extranigral pathways in Parkinson's disease. <i>NeuroImage</i> , <b>2014</b> , 99, 498-508   | 7.9 | 47  |
| 975 | Cortico-striatal-thalamic network functional connectivity in hemiparkinsonism. <b>2014</b> , 35, 2592-2602  |     | 53  |
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| 970 | Neural bases of imitation and pantomime in acute stroke patients: distinct streams for praxis. <b>2014</b> , 137, 2796-810   |     | 103 |
| 969 | Measuring individual morphological relationship of cortical regions. <b>2014</b> , 237, 103-7  |     | 39  |
| 968 | Neural correlate of autistic-like traits and a common allele in the oxytocin receptor gene. <b>2014</b> , 9, 1443-50   |     | 20  |
| 967 | Myeloid microvesicles in cerebrospinal fluid are associated with myelin damage and neuronal loss in mild cognitive impairment and Alzheimer disease. <b>2014</b> , 76, 813-25  |     | 62  |
| 966 | Cannabinoid modulation of prefrontal-limbic activation during fear extinction learning and recall in humans. <b>2014</b> , 113, 125-34   |     | 87  |
| 965 | General and specific effects of early-life psychosocial adversities on adolescent grey matter volume. <b>2014</b> , 4, 308-18  |     | 53  |
| 964 | Thalamic and parietal brain morphology predicts auditory category learning. <b>2014</b> , 53, 75-83  |     | 5   |
| 963 | fMRI evidence of improved visual function in patients with progressive retinitis pigmentosa by eye-movement training. <b>2014</b> , 5, 161-8                                   |     | 6   |
| 962 | Involvement of the human medial temporal lobe in a visual discrimination task. <b>2014</b> , 268, 22-30  |     | 14  |
| 961 | Neuroanatomical correlates of Klinefelter syndrome studied in relation to the neuropsychological profile. <b>2014</b> , 4, 1-9   |     | 47  |
| 960 | Basal forebrain atrophy and cortical amyloid deposition in nondemented elderly subjects. <b>2014</b> , 10, S344-53   |     | 58  |
| 959 | Neural activity associated with semantic versus phonological anomia treatments in aphasia. <b>2014</b> , 129, 47-57  |     | 32  |
| 958 | The structure of the geriatric depressed brain and response to electroconvulsive therapy. <b>2014</b> , 222, 1-9   |     | 20  |
| 957 | Examining brain structures associated with perceived stress in a large sample of young adults via voxel-based morphometry. <i>NeuroImage</i> , <b>2014</b> , 92, 1-7           | 7.9 | 45  |
| 956 | Imaging tactile imagery: changes in brain connectivity support perceptual grounding of mental images in primary sensory cortices. <i>NeuroImage</i> , <b>2014</b> , 98, 216-24 | 7.9 | 49  |
| 955 | Reduced functional connectivity in early-stage drug-naive Parkinson's disease: a resting-state fMRI study. <b>2014</b> , 35, 431-41  |     | 118 |
| 954 | Genetic effects on the cerebellar role in working memory: same brain, different genes?. <i>NeuroImage</i> , <b>2014</b> , 86, 392-403  | 7.9 | 13  |
| 953 | Human hippocampus arbitrates approach-avoidance conflict. <b>2014</b> , 24, 541-7  |     | 104 |

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| 952 | Neural correlates of delusion in bipolar depression. <b>2014</b> , 221, 1-5  |     | 20  |
| 951 | Activity reductions in perirhinal cortex predict conceptual priming and familiarity-based recognition. <b>2014</b> , 52, 19-26   |     | 41  |
| 950 | Individualized Gaussian process-based prediction and detection of local and global gray matter abnormalities in elderly subjects. <i>NeuroImage</i> , <b>2014</b> , 97, 333-48 | 7.9 | 48  |
| 949 | Impact of image acquisition on voxel-based-morphometry investigations of age-related structural brain changes. <i>NeuroImage</i> , <b>2014</b> , 87, 170-82                    | 7.9 | 27  |
| 948 | Pretreatment brain states identify likely nonresponse to standard treatments for depression. <b>2014</b> , 76, 527-35  |     | 99  |
| 947 | Pseudo-continuous arterial spin labeling MRI study of schizophrenic patients. <b>2014</b> , 154, 113-8   |     | 29  |
| 946 | Association of basal forebrain volumes and cognition in normal aging. <b>2014</b> , 53, 54-63  |     | 22  |
| 945 | Aging in deep gray matter and white matter revealed by diffusional kurtosis imaging. <b>2014</b> , 35, 2203-16   |     | 53  |
| 944 | Insulin resistance and gray matter volume in neurodegenerative disease. <b>2014</b> , 270, 139-47  |     | 30  |
| 943 | Genetic interaction of PICALM and APOE is associated with brain atrophy and cognitive impairment in Alzheimer's disease. <b>2014</b> , 10, S269-76                             |     | 38  |
| 942 | Structural brain abnormalities in patients with Parkinson's disease with visual hallucinations: a comparative voxel-based analysis. <b>2014</b> , 87, 97-103                   |     | 30  |
| 941 | Brain sensorimotor system atrophy during the early stage of spinal cord injury in humans. <b>2014</b> , 266, 208-15  |     | 41  |
| 940 | Aberrant functional connectivity in Papez circuit correlates with memory performance in cognitively intact middle-aged APOE4 carriers. <b>2014</b> , 57, 167-76                |     | 24  |
| 939 | A multivariate analysis of age-related differences in functional networks supporting conflict resolution. <i>NeuroImage</i> , <b>2014</b> , 86, 150-63                         | 7.9 | 23  |
| 938 | Gray matter atrophy pattern in elderly with subjective memory impairment. <b>2014</b> , 10, 99-108   |     | 100 |
| 937 | Voxel-based gray and white matter morphometry correlates of hallucinations in schizophrenia: The superior temporal gyrus does not stand alone. <b>2014</b> , 4, 249-57         |     | 52  |
| 936 | A comparison of three brain atlases for MCI prediction. <b>2014</b> , 221, 139-50  |     | 36  |
| 935 | Age effects in storage and extinction of a naturally acquired conditioned eyeblink response. <b>2014</b> , 109, 104-12   |     | 6   |



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| 934 | Correction of inter-scanner and within-subject variance in structural MRI based automated diagnosing. <i>NeuroImage</i> , <b>2014</b> , 98, 405-15   | 7.9 | 29  |
| 933 | Brain mechanisms underlying the effects of aging on different aspects of selective attention. <i>NeuroImage</i> , <b>2014</b> , 91, 52-62  | 7.9 | 49  |
| 932 | Cholinergic basal forebrain atrophy predicts amyloid burden in Alzheimer's disease. <b>2014</b> , 35, 482-91   |     | 77  |
| 931 | Perspective on future role of biological markers in clinical therapy trials of Alzheimer's disease: a long-range point of view beyond 2020. <b>2014</b> , 88, 426-49                           |     | 84  |
| 930 | Strength of retinotopic representation of visual memories is modulated by strategy. <b>2014</b> , 24, 281-92   |     | 8   |
| 929 | Central vestibular system modulation in vestibular migraine. <b>2014</b> , 34, 1053-61   |     | 58  |
| 928 | White matter damage disorganizes brain functional networks in amnesic mild cognitive impairment. <b>2014</b> , 4, 312-22   |     | 19  |
| 927 | Characteristic distributions of regional cerebral blood flow changes in major depressive disorder patients: a pseudo-continuous arterial spin labeling (pCASL) study. <b>2014</b> , 165, 59-63 |     | 29  |
| 926 | The salience network is responsible for switching between the default mode network and the central executive network: replication from DCM. <i>NeuroImage</i> , <b>2014</b> , 99, 180-90       | 7.9 | 365 |
| 925 | Subcortical grey matter changes in untreated, early stage Parkinson's disease without dementia. <b>2014</b> , 20, 622-6  |     | 38  |
| 924 | Specific brain morphometric changes in spinal cord injury with and without neuropathic pain. <b>2014</b> , 5, 28-35  |     | 34  |
| 923 | Association of television violence exposure with executive functioning and white matter volume in young adult males. <b>2014</b> , 88, 26-34   |     | 10  |
| 922 | Disrupted brain connectome in semantic variant of primary progressive aphasia. <b>2014</b> , 35, 2646-2655   |     | 59  |
| 921 | Midlife memory ability accounts for brain activity differences in healthy aging. <b>2014</b> , 35, 2495-2503   |     | 9   |
| 920 | Functional network organizations of two contrasting temperament groups in dimensions of novelty seeking and harm avoidance. <b>2014</b> , 1575, 33-44  |     | 22  |
| 919 | Validating the Why/How contrast for functional MRI studies of Theory of Mind. <i>NeuroImage</i> , <b>2014</b> , 99, 301-11   | 7.9 | 68  |
| 918 | Increased suicide attempts in young depressed patients with abnormal temporal-parietal-limbic gray matter volume. <b>2014</b> , 165, 69-73   |     | 39  |
| 917 | Larger amygdala volume in first-degree relatives of patients with major depression. <b>2014</b> , 5, 62-8  |     | 41  |

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| 916 | You'd better think twice: post-decision perceptual confidence. <i>NeuroImage</i> , <b>2014</b> , 99, 323-31  | 7.9 | 33  |
| 915 | Personalising population-based respiratory motion models of the heart using neighbourhood approximation based on learnt anatomical features. <b>2014</b> , 18, 1015-25                                 |     | 3   |
| 914 | No significant brain volume decreases or increases in adults with high-functioning autism spectrum disorder and above average intelligence: a voxel-based morphometric study. <b>2014</b> , 223, 67-74 |     | 20  |
| 913 | Motor features in posterior cortical atrophy and their imaging correlates. <b>2014</b> , 35, 2845-2857   |     | 21  |
| 912 | Body mass index-related regional gray and white matter volume reductions in first-episode mania patients. <b>2014</b> , 76, 138-45   |     | 38  |
| 911 | Neuroprotective effects of testosterone treatment in men with multiple sclerosis. <b>2014</b> , 4, 454-60  |     | 75  |
| 910 | Validity of modulation and optimal settings for advanced voxel-based morphometry. <i>NeuroImage</i> , <b>2014</b> , 86, 81-90  | 7.9 | 79  |
| 909 | Using structural neuroanatomy to identify trauma survivors with and without post-traumatic stress disorder at the individual level. <b>2014</b> , 44, 195-203  |     | 51  |
| 908 | Distant functional connectivity for bimanual finger coordination declines with aging: an fMRI and SEM exploration. <b>2014</b> , 8, 251  |     | 18  |
| 907 | Assessing age-related gray matter decline with voxel-based morphometry depends significantly on segmentation and normalization procedures. <b>2014</b> , 6, 124  |     | 31  |
| 906 | Increasing the detectability of external influence on precipitation by correcting feature location in GCMs. <b>2014</b> , 119, 12,466-12,478   |     | 1   |
| 905 | The binaural masking level difference: cortical correlates persist despite severe brain stem atrophy in progressive supranuclear palsy. <b>2014</b> , 112, 3086-94                                     |     | 15  |
| 904 | Correcting precipitation feature location in general circulation models. <b>2014</b> , 119, 13,350-13,369  |     | 3   |
| 903 | Aging reduces the stimulating effect of blue light on cognitive brain functions. <b>2014</b> , 37, 85-96   |     | 34  |
| 902 | Altered Brain Structure and Function Correlate with Disease Severity and Pain Catastrophizing in Migraine Patients. <b>2014</b> , 1, e20.14  |     | 100 |
| 901 | Hippocampal-parietal dysconnectivity and glutamate abnormalities in unmedicated patients with schizophrenia. <b>2014</b> , 24, 1524-32   |     | 41  |
| 900 | Parallel computation of mutual information in multicore environment & its applications in medical image registration. <b>2014</b> ,  |     | 0   |
| 899 | Altered resting-state frontoparietal control network in children with attention-deficit/hyperactivity disorder. <b>2015</b> , 21, 271-84   |     | 58  |

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| 898 | Sex differences in socioemotional functioning, attentional bias, and gray matter volume in maltreated children: A multilevel investigation. <b>2015</b> , 27, 1591-609  | 33 |
| 897 | A bi-ventricular cardiac atlas built from 1000+ high resolution MR images of healthy subjects and an analysis of shape and motion. <b>2015</b> , 26, 133-45   | 84 |
| 896 | The 5-HTTLPR variant in the serotonin transporter gene modifies degeneration of brain regions important for emotion in behavioral variant frontotemporal dementia. <b>2015</b> , 9, 283-90                    | 5  |
| 895 | Cognitive, psychophysical, and neural correlates of vulvar pain in primary and secondary provoked vestibulodynia: a pilot study. <b>2015</b> , 12, 1283-97  | 15 |
| 894 | The cognitive profile of prion disease: a prospective clinical and imaging study. <b>2015</b> , 2, 548-58   | 18 |
| 893 | Use of T1-weighted/T2-weighted magnetic resonance ratio images to elucidate changes in the schizophrenic brain. <b>2015</b> , 5, e00399   | 28 |
| 892 | Estimating the age of healthy infants from quantitative myelin water fraction maps. <b>2015</b> , 36, 1233-44   | 50 |
| 891 | Evidence in chronic fatigue syndrome for severity-dependent upregulation of prefrontal myelination that is independent of anxiety and depression. <b>2015</b> , 28, 404-13                                    | 36 |
| 890 | Tracking sensory system atrophy and outcome prediction in spinal cord injury. <b>2015</b> , 78, 751-61  | 57 |
| 889 | Day of injury CT and late MRI findings: Cognitive outcome in a paediatric sample with complicated mild traumatic brain injury. <b>2015</b> , 29, 1062-70  | 13 |
| 888 | Overview of Biomedical Image Understanding Methods. <b>2015</b> , 1-45  | 2  |
| 887 | A combination of dual-tree discrete wavelet transform and minimum redundancy maximum relevance method for diagnosis of Alzheimer's disease. <b>2015</b> , 11, 433-61  | 3  |
| 886 | A connectivity-based test-retest dataset of multi-modal magnetic resonance imaging in young healthy adults. <b>2015</b> , 2, 150056   | 30 |
| 885 | Selective Functional Disconnection of the Dorsal Subregion of the Temporal Pole in Schizophrenia. <b>2015</b> , 5, 11258  | 9  |
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| 883 | Altered baseline brain activity differentiates regional mechanisms subserving biological and psychological alterations in obese men. <b>2015</b> , 5, 11563   | 15 |
| 882 | Using mental visual imagery to improve autobiographical memory and episodic future thinking in relapsing-remitting multiple sclerosis patients: A randomised-controlled trial study. <b>2015</b> , 33, 621-38 | 22 |
| 881 | Cognitive rehabilitation of working memory in juvenile multiple sclerosis-effects on cognitive functioning, functional MRI and network related connectivity. <b>2015</b> , 33, 713-25                         | 20 |

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| 880 | Following the Spreading of Brain Structural Changes in Alzheimer's Disease: A Longitudinal, Multimodal MRI Study. <b>2015</b> , 47, 995-1007   | 15 |
| 879 | Increased cerebrospinal fluid fibrinogen in major depressive disorder. <b>2015</b> , 5, 11412  | 35 |
| 878 | Contribution of substantia nigra glutamate to prediction error signals in schizophrenia: a combined magnetic resonance spectroscopy/functional imaging study. <b>2015</b> , 1, 14001             | 24 |
| 877 | Identification of Conversion from Normal Elderly Cognition to Alzheimer's Disease using Multimodal Support Vector Machine. <b>2015</b> , 47, 1057-67   | 9  |
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| 875 | The Language Profile of Behavioral Variant Frontotemporal Dementia. <b>2016</b> , 50, 359-71   | 56 |
| 874 | White matter alterations in first episode treatment-naïve patients with deficit schizophrenia: a combined VBM and DTI study. <b>2015</b> , 5, 12994  | 33 |
| 873 | Accurate Prediction of Conversion to Alzheimer's Disease using Imaging, Genetic, and Neuropsychological Biomarkers. <b>2016</b> , 49, 1143-59  | 45 |
| 872 | Basal Forebrain and Hippocampus as Predictors of Conversion to Alzheimer's Disease in Patients with Mild Cognitive Impairment - A Multicenter DTI and Volumetry Study. <b>2015</b> , 48, 197-204 | 41 |
| 871 | Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. <b>2015</b> , 42, 4174-89   | 8  |
| 870 | Age-associated changes in rich-club organisation in autistic and neurotypical human brains. <b>2015</b> , 5, 16152   | 17 |
| 869 | The structural neural substrate of subjective happiness. <b>2015</b> , 5, 16891  | 53 |
| 868 | Altered resting state functional connectivity of anterior cingulate cortex in drug naïve adolescents at the earliest stages of anorexia nervosa. <b>2015</b> , 5, 10818                          | 32 |
| 867 | The Korean Size/Weight Attribute Test: A Semantic Knowledge Test for Korean Older Adults and Brain-Imaging Evidence. <b>2016</b> , 49, 377-86  | 2  |
| 866 | Effect of Anserine/Carnosine Supplementation on Verbal Episodic Memory in Elderly People. <b>2016</b> , 50, 149-59   | 62 |
| 865 | Effect of Experimental Thyrotoxicosis on Brain Gray Matter: A Voxel-Based Morphometry Study. <b>2015</b> , 4, 113-8  | 21 |
| 864 | Evaluation of MRI and cannabinoid type 1 receptor PET templates constructed using DARTEL for spatial normalization of rat brains. <b>2015</b> , 42, 6875-84                                      | 3  |
| 863 | Quantitative Susceptibility Mapping at 3 T and 1.5 T: Evaluation of Consistency and Reproducibility. <b>2015</b> , 50, 522-30  | 42 |

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| 862 | Examining brain structures associated with attention networks in a large sample of young adults: a voxel-based morphometry study. <b>2015</b> , 60, 1824-1832   | 2  |
| 861 | Compensation in Preclinical Huntington's Disease: Evidence From the Track-On HD Study. <b>2015</b> , 2, 1420-9  | 91 |
| 860 | Brain morphometric correlates of MAOA-uVNTR polymorphism in violent behavior. <b>2015</b> , 78, 13-20   | 2  |
| 859 | A structural group-connectome in standard stereotactic (MNI) space. <b>2015</b> , 5, 292-6  | 7  |
| 858 | Idiosyncratic responding during movie-watching predicted by age differences in attentional control. <b>2015</b> , 36, 3045-3055   | 53 |
| 857 | Age-related changes in FDG brain uptake are more accurately assessed when applying an adaptive template to the SPM method of voxel-based quantitative analysis. <b>2015</b> , 29, 921-8                 | 16 |
| 856 | Brain structural correlates of complex sentence comprehension in children. <b>2015</b> , 15, 48-57  | 9  |
| 855 | Decreased activity with increased background network efficiency in amnesic MCI during a visuospatial working memory task. <b>2015</b> , 36, 3387-403  | 14 |
| 854 | Intelligence-related differences in the asymmetry of spontaneous cerebral activity. <b>2015</b> , 36, 3586-602  | 37 |
| 853 | Different patterns of spontaneous brain activity between tremor-dominant and postural instability/gait difficulty subtypes of Parkinson's disease: a resting-state fMRI study. <b>2015</b> , 21, 855-66 | 40 |
| 852 | Regional brain volume differences between males with and without autism spectrum disorder are highly age-dependent. <b>2015</b> , 6, 29   | 41 |
| 851 | Brain gray matter volume changes associated with motor symptoms in patients with Parkinson's disease. <b>2015</b> , 1,  | 5  |
| 850 | Genome-wide variant by serum urate interaction in Parkinson's disease. <b>2015</b> , 78, 731-41   | 8  |
| 849 | Brain structural and functional connectivity in Parkinson's disease with freezing of gait. <b>2015</b> , 36, 5064-78  | 97 |
| 848 | Modifications of resting state networks in spinocerebellar ataxia type 2. <b>2015</b> , 30, 1382-90   | 16 |
| 847 | Effects of task-irrelevant emotional stimuli on working memory processes in mild cognitive impairment. <b>2015</b> , 44, 439-53   | 12 |
| 846 | Decreased Regional Cerebral Perfusion in Moderate-Severe Obstructive Sleep Apnoea during Wakefulness. <b>2015</b> , 38, 699-706   | 34 |
| 845 | Successful Scene Encoding in Presymptomatic Early-Onset Alzheimer's Disease. <b>2015</b> , 47, 955-64   | 5  |

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| 844 | Cerebral Amyloid Angiopathy-Related Microbleeds Correlate with Glucose Metabolism and Brain Volume in Alzheimer's Disease. <b>2015</b> , 48, 517-28   | 32 |
| 843 | Hippocampal and cerebellar atrophy in patients with Cushing's disease. <b>2015</b> , 39, E5   | 24 |
| 842 | Assessment of brain damage and plasticity in the visual system due to early occipital lesion: comparison of FDG-PET with diffusion MRI tractography. <b>2015</b> , 41, 431-8                              | 8  |
| 841 | Nonrigid registration improves MRI T2 quantification in heart transplant patient follow-up. <b>2015</b> , 42, 168-74  | 10 |
| 840 | Hemisphere, gender and age-related effects on iron deposition in deep gray matter revealed by quantitative susceptibility mapping. <b>2015</b> , 28, 1267-74  | 29 |
| 839 | Synergistic Effects of Age on Patterns of White and Gray Matter Volume across Childhood and Adolescence. <b>2015</b> , 2,   | 15 |
| 838 | Structural Connectivity Changes Underlying Altered Working Memory Networks in Mild Cognitive Impairment: A Three-Way Image Fusion Analysis. <b>2015</b> , 25, 634-42                                      | 8  |
| 837 | Disrupted topological organization of resting-state functional brain network in subcortical vascular mild cognitive impairment. <b>2015</b> , 21, 846-54  | 30 |
| 836 | Multivariate classification of smokers and nonsmokers using SVM-RFE on structural MRI images. <b>2015</b> , 36, 4869-79   | 33 |
| 835 | Hyperconnectivity of the Right Posterior Temporo-parietal Junction Predicts Social Difficulties in Boys with Autism Spectrum Disorder. <b>2015</b> , 8, 427-41  | 24 |
| 834 | Predicting the future relapse of alcohol-dependent patients from structural and functional brain images. <b>2015</b> , 20, 1042-55  | 26 |
| 833 | Multimodal neuroimaging evidence of alterations in cortical structure and function in HIV-infected older adults. <b>2015</b> , 36, 897-910  | 52 |
| 832 | Resting state functional connectivity of the subthalamic nucleus in Parkinson's disease assessed using arterial spin-labeled perfusion fMRI. <b>2015</b> , 36, 1937-50                                    | 36 |
| 831 | Differential patterns of functional and structural plasticity within and between inferior frontal gyri support training-induced improvements in inhibitory control proficiency. <b>2015</b> , 36, 2527-43 | 41 |
| 830 | NTU-DSI-122: A diffusion spectrum imaging template with high anatomical matching to the ICBM-152 space. <b>2015</b> , 36, 3528-41   | 37 |
| 829 | Network activity underlying the illusory self-attribution of a dummy arm. <b>2015</b> , 36, 2284-304  | 63 |
| 828 | Reduced cerebellar gray matter is a neural signature of physical frailty. <b>2015</b> , 36, 3666-76   | 60 |
| 827 | Mother's but not father's education predicts general fluid intelligence in emerging adulthood: Behavioral and neuroanatomical evidence. <b>2015</b> , 36, 4582-91   | 23 |

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| 826 | Effective connectivity during episodic memory retrieval in schizophrenia participants before and after antipsychotic medication. <b>2015</b> , 36, 1442-57   | 56 |
| 825 | How reliable are gray matter disruptions in specific reading disability across multiple countries and languages? Insights from a large-scale voxel-based morphometry study. <b>2015</b> , 36, 1741-54      | 48 |
| 824 | Regional volumes in brain stem and cerebellum are associated with postural impairments in young brain-injured patients. <b>2015</b> , 36, 4897-909   | 21 |
| 823 | Altered brain network centrality in depressed Parkinson's disease patients. <b>2015</b> , 30, 1777-84  | 63 |
| 822 | Investigation of the cingulate cortex in idiopathic generalized epilepsy. <b>2015</b> , 56, 1803-11  | 15 |
| 821 | Abnormal Connectivity Within Executive Resting-State Network in Migraine With Aura. <b>2015</b> , 55, 794-805  | 54 |
| 820 | Asymptomatic carotid stenosis is associated with gray and white matter damage. <b>2015</b> , 10, 1197-203  | 13 |
| 819 | Gray Matter Alterations in Young Children with Autism Spectrum Disorders: Comparing Morphometry at the Voxel and Regional Level. <b>2015</b> , 25, 866-74  | 36 |
| 818 | Amygdala response to anticipation of dyspnea is modulated by 5-HTTLPR genotype. <b>2015</b> , 52, 973-6  | 9  |
| 817 | Altered Contralateral Auditory Cortical Morphology in Unilateral Sudden Sensorineural Hearing Loss. <b>2015</b> , 36, 1622-7   | 21 |
| 816 | Focal atrophy of the hypothalamus associated with third ventricle enlargement in autism spectrum disorder. <b>2015</b> , 26, 1017-22   | 5  |
| 815 | Childhood neglect predicts disorganization in schizophrenia through grey matter decrease in dorsolateral prefrontal cortex. <b>2015</b> , 132, 244-56  | 30 |
| 814 | Anatomical and functional brain abnormalities in unmedicated major depressive disorder. <b>2015</b> , 11, 2415-23  | 14 |
| 813 | Evaluation of Regional White Matter Volume Reduction after Diffuse Axonal Injury using Voxel-based Morphometry. <b>2015</b> , 14, 183-92   | 4  |
| 812 | Cerebral Involvement in Stargardt's Disease: A VBM and TBSS Study. <b>2015</b> , 56, 7388-97   | 11 |
| 811 | Influence of parameter settings in voxel-based morphometry 8. Using DARTEL and region-of-interest on reproducibility in gray matter volumetry. <b>2015</b> , 54, 171-8                                     | 3  |
| 810 | Comparison of regional gray matter atrophy, white matter alteration, and glucose metabolism as a predictor of the conversion to Alzheimer's disease in mild cognitive impairment. <b>2015</b> , 30, 779-87 | 10 |
| 809 | Brain structural correlates of sensory phenomena in patients with obsessive-compulsive disorder. <b>2015</b> , 40, 232-40  | 36 |

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| 807 | Measures of Morphological Complexity of Gray Matter on Magnetic Resonance Imaging for Control Age Grouping. <b>2015</b> , 17, 8130-8151  | 5  |
| 806 | Differences in functional brain connectivity alterations associated with cerebral amyloid deposition in amnesic mild cognitive impairment. <b>2015</b> , 7, 15   | 21 |
| 805 | A stereotaxic, population-averaged T1w ovine brain atlas including cerebral morphology and tissue volumes. <b>2015</b> , 9, 69   | 35 |
| 804 | Physical attractiveness and sex as modulatory factors of empathic brain responses to pain. <b>2015</b> , 9, 236  | 15 |
| 803 | Case-Based fMRI Analysis after Cognitive Rehabilitation in MS: A Novel Approach. <b>2015</b> , 6, 78   | 18 |
| 802 | Gray Matter Volume Changes in the Apathetic Elderly. <b>2015</b> , 9, 318  | 7  |
| 801 | Physical exercise in overweight to obese individuals induces metabolic- and neurotrophic-related structural brain plasticity. <b>2015</b> , 9, 372   | 44 |
| 800 | Many neighbors are not silent. fMRI evidence for global lexical activity in visual word recognition. <b>2015</b> , 9, 423  | 12 |
| 799 | Increased striatal functional connectivity with auditory cortex in tinnitus. <b>2015</b> , 9, 568  | 25 |
| 798 | Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. <b>2015</b> , 9, 634   | 5  |
| 797 | Automatic analysis (aa): efficient neuroimaging workflows and parallel processing using Matlab and XML. <b>2014</b> , 8, 90  | 86 |
| 796 | Cortical reorganization in recent-onset tinnitus patients by the Heidelberg Model of Music Therapy. <b>2015</b> , 9, 49  | 24 |
| 795 | Prediction of individual differences in risky behavior in young adults via variations in local brain structure. <b>2015</b> , 9, 359   | 7  |
| 794 | Whole-Brain In-vivo Measurements of the Axonal G-Ratio in a Group of 37 Healthy Volunteers. <b>2015</b> , 9, 441   | 67 |
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