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Cortical surface-based analysis. II: Inflation, flattening, and a surface-based coordinate system

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| 2211 | GANGLIONECTOMY IN THE TREATMENT OF SEVERE POLYARTHRITIS AND OSTEO-ARTHRITIS. 1936 , 2, 375-81 | | 5 |
| 2210 | The representation of illusory and real contours in human cortical visual areas revealed by functional magnetic resonance imaging. 1999 , 19, 8560-72 | | 364 |
| 2209 | Detecting changes in nonisotropic images. 1999 , 8, 98-101 | | 353 |
| 2208 | High-resolution intersubject averaging and a coordinate system for the cortical surface. 1999 , 8, 272-84 | | 2212 |
| 2207 | Statistical limitations in functional neuroimaging. II. Signal detection and statistical inference. 1999 , 354, 1261-81 | | 137 |
| 2206 | Topologically constrained cortical surfaces from MRI. 2000 , | | 6 |
| 2205 | Projection of rods and cones within human visual cortex. 2000 , 9, 55-63 | | 38 |
| 2204 | Three-dimensional mapping of cortical thickness using Laplace's equation. 2000 , 11, 12-32 | | 377 |
| 2203 | Volumetry and topography of the human brain by magnetic resonance imaging. 2000 , 11, 198-208 | | 1 |
| 2202 | Segregation of somatosensory activation in the human rolandic cortex using fMRI. 2000 , 84, 558-69 | | 140 |
| 2201 | Visualization and measurement of the cortical surface. 2000 , 12, 739-52 | | 211 |
| 2200 | Human cortical areas underlying the perception of optic flow: brain imaging studies. 2000 , 44, 269-92 | | 72 |
| 2199 | Measuring the thickness of the human cerebral cortex from magnetic resonance images. 2000 , 97, 11050-5 | | 4038 |
| 2198 | Dynamic statistical parametric mapping: combining fMRI and MEG for high-resolution imaging of cortical activity. 2000 , 26, 55-67 | | 1228 |
| 2197 | Application of cortical unfolding techniques to functional MRI of the human hippocampal region. <i>NeuroImage</i> , 2000 , 11, 668-83 | 7.9 | 86 |
| 2196 | Spatiotemporal imaging of brain activation using FreeSurfer. <i>NeuroImage</i> , 2001 , 13, 286 | 7.9 | 1 |
| 2195 | Semantic processing of pictures of animals and tools: Event-related fMRI evidence on the organization of knowledge in the human brain. <i>NeuroImage</i> , 2001 , 13, 760 | 7.9 | 1 |

| | | | |
|------|---|-----|------|
| 2194 | Regional cortical thinning of the aging brain. <i>NeuroImage</i> , 2001 , 13, 831 | 7.9 | |
| 2193 | Information Processing in Medical Imaging. 2001 , | | 2 |
| 2192 | Electromagnetic brain mapping. 2001 , 18, 14-30 | | 1013 |
| 2191 | Spatiotemporal brain imaging of visual-evoked activity using interleaved EEG and fMRI recordings. <i>NeuroImage</i> , 2001 , 13, 1035-43 | 7.9 | 129 |
| 2190 | A parametric fMRI study of overt and covert shifts of visuospatial attention. <i>NeuroImage</i> , 2001 , 14, 310-219 | | 279 |
| 2189 | An efficient algorithm for topologically correct segmentation of the cortical sheet in anatomical mr volumes. <i>NeuroImage</i> , 2001 , 14, 329-46 | 7.9 | 188 |
| 2188 | Cortical network dynamics during verbal working memory function. 2001 , 42, 161-76 | | 20 |
| 2187 | Cortical mechanisms specific to explicit visual object recognition. 2001 , 29, 529-35 | | 390 |
| 2186 | Recovering meaning: left prefrontal cortex guides controlled semantic retrieval. 2001 , 31, 329-38 | | 726 |
| 2185 | Mapping visual cortex in monkeys and humans using surface-based atlases. 2001 , 41, 1359-78 | | 344 |
| 2184 | Case study: interacting with cortical flat maps of the human brain. | | 2 |
| 2183 | Cortical surface reconstruction using a topology preserving geometric deformable model. | | 1 |
| 2182 | Automated manifold surgery: constructing geometrically accurate and topologically correct models of the human cerebral cortex. 2001 , 20, 70-80 | | 1250 |
| 2181 | Functional MRI and its applications to the clinical neurosciences. 2001 , 7, 64-79 | | 43 |
| 2180 | Advances in functional neuroimaging methodology for the study of brain systems underlying human neuropsychological function and dysfunction. 2001 , 23, 3-18 | | 29 |
| 2179 | Where is 'dorsal V4' in human visual cortex? Retinotopic, topographic and functional evidence. 2001 , 11, 298-311 | | 192 |
| 2178 | Spatiotemporal maps of brain activity underlying word generation and their modification during repetition priming. 2001 , 21, 3564-71 | | 90 |
| 2177 | Use of Registration for Cohort Studies. 2001 , 303-329 | | 1 |

| | | |
|------|--|------|
| 2176 | Influence of EEG electrodes on the BOLD fMRI signal. 2001 , 14, 108-15 | 58 |
| 2175 | Unfolding the human hippocampus with high resolution structural and functional MRI. 2001 , 265, 111-20 | 78 |
| 2174 | History and future directions of human brain mapping and functional neuroimaging. 2001 , 107, 9-42 | 84 |
| 2173 | Abnormal retinotopic representations in human visual cortex revealed by fMRI. 2001 , 107, 229-47 | 53 |
| 2172 | Automated graph-based analysis and correction of cortical volume topology. 2001 , 20, 1167-77 | 157 |
| 2171 | Mapping of contralateral space in retinotopic coordinates by a parietal cortical area in humans. 2001 , 294, 1350-4 | 663 |
| 2170 | Local and global attention are mapped retinotopically in human occipital cortex. 2001 , 98, 2077-82 | 101 |
| 2169 | An integrated software suite for surface-based analyses of cerebral cortex. 2001 , 8, 443-59 | 939 |
| 2168 | 'The surface management system' (SuMS) database: a surface-based database to aid cortical surface reconstruction, visualization and analysis. 2001 , 356, 1277-92 | 42 |
| 2167 | Mechanisms of migraine aura revealed by functional MRI in human visual cortex. 2001 , 98, 4687-92 | 1087 |
| 2166 | Topology correction in brain cortex segmentation using a multiscale, graph-based algorithm. 2002 , 21, 109-21 | 101 |
| 2165 | Using a statistical shape model to extract sulcal curves on the outer cortex of the human brain. 2002 , 21, 513-24 | 68 |
| 2164 | Shape perception reduces activity in human primary visual cortex. 2002 , 99, 15164-9 | 366 |
| 2163 | The isomap algorithm and topological stability. 2002 , 295, 7 | 420 |
| 2162 | Regional and progressive thinning of the cortical ribbon in Huntington's disease. 2002 , 58, 695-701 | 869 |
| 2161 | Large-scale cortical displacement of a human retinotopic map. 2002 , 13, 41-6 | 14 |
| 2160 | Somatotopic activation in the human trigeminal pain pathway. 2002 , 22, 8183-92 | 179 |
| 2159 | Neurology. <i>NeuroImage</i> , 2002 , 16, 1584-1756 | 7.9 |

| | | | |
|------|---|-----|-----|
| 2158 | Spatiotemporal forward solution of the EEG and MEG using network modeling. 2002 , 21, 493-504 | | 99 |
| 2157 | On the metrics and euler-lagrange equations of computational anatomy. 2002 , 4, 375-405 | | 323 |
| 2156 | Image distortion correction in fMRI: A quantitative evaluation. <i>NeuroImage</i> , 2002 , 16, 217-40 | 7.9 | 530 |
| 2155 | Shape-based cortical surface segmentation for visualization brain mapping. <i>NeuroImage</i> , 2002 , 16, 295-316 | | 11 |
| 2154 | A quantitative assessment of the sensitivity of whole-head MEG to activity in the adult human cortex. <i>NeuroImage</i> , 2002 , 16, 638-50 | 7.9 | 327 |
| 2153 | Anatomically informed basis functions for EEG source localization: combining functional and anatomical constraints. <i>NeuroImage</i> , 2002 , 16, 678-95 | 7.9 | 149 |
| 2152 | A robust transcortical profile scanner for generating 2-d traverses in histological sections of richly curved cortical courses. <i>NeuroImage</i> , 2002 , 16, 1103-19 | 7.9 | 22 |
| 2151 | N400-like magnetoencephalography responses modulated by semantic context, word frequency, and lexical class in sentences. <i>NeuroImage</i> , 2002 , 17, 1101-16 | 7.9 | 319 |
| 2150 | Time-coherent expansion of MEG/EEG cortical sources. <i>NeuroImage</i> , 2002 , 17, 1277-89 | 7.9 | 18 |
| 2149 | fMRI retinotopic mapping--step by step. <i>NeuroImage</i> , 2002 , 17, 1665-83 | 7.9 | 149 |
| 2148 | Human brain activity during illusory visual jitter as revealed by functional magnetic resonance imaging. 2002 , 35, 1147-56 | | 27 |
| 2147 | Magnetoencephalographic Characterization of Dynamic Brain Activation: Basic Principles and Methods of Data Collection and Source Analysis. 2002 , 227-253 | | 29 |
| 2146 | Functional MRI. 2002 , 315-349 | | 10 |
| 2145 | Imaging and the Human Brain Project: A Review. 2002 , 41, 245-260 | | 18 |
| 2144 | Imaging Informatics and the Human Brain Project: the Role of Structure. 2002 , 11, 131-148 | | 2 |
| 2143 | Windows on the brain: the emerging role of atlases and databases in neuroscience. 2002 , 12, 574-9 | | 222 |
| 2142 | "Soap-Bubble" visualization and quantitative analysis of 3D coronary magnetic resonance angiograms. 2002 , 48, 658-66 | | 225 |
| 2141 | Anatomically informed basis functions in multisubject studies. 2002 , 16, 36-46 | | 16 |

| | | | |
|------|--|-----|-----|
| 2140 | Monte Carlo simulation studies of EEG and MEG localization accuracy. 2002 , 16, 47-62 | | 282 |
| 2139 | Neural basis of prosopagnosia: an fMRI study. 2002 , 16, 176-82 | | 106 |
| 2138 | Structural MR image processing using the BRAINS2 toolbox. 2002 , 26, 251-64 | | 264 |
| 2137 | Voxel-based texture mapping for medical data. 2002 , 26, 445-52 | | 7 |
| 2136 | The problem of functional localization in the human brain. 2002 , 3, 243-9 | | 981 |
| 2135 | Basic principles of MRI and morphometry studies of human brain development. 2002 , 5, 268-278 | | 21 |
| 2134 | Investigating the generators of the scalp recorded visuo-verbal P300 using cortically constrained source localization. 2003 , 18, 53-77 | | 48 |
| 2133 | Efficient acquisition of human retinotopic maps. 2003 , 18, 22-9 | | 64 |
| 2132 | A wavelet-based approximation of surface coil sensitivity profiles for correction of image intensity inhomogeneity and parallel imaging reconstruction. 2003 , 19, 96-111 | | 59 |
| 2131 | MRI-based morphometric of typical and atypical brain development. 2003 , 9, 155-60 | | 22 |
| 2130 | Surface visualization of electromagnetic brain activity. 2003 , 127, 137-47 | | 5 |
| 2129 | Biochemical and molecular studies using human autopsy brain tissue. 2003 , 85, 543-62 | | 202 |
| 2128 | Functional imaging of the visual pathways. 2003 , 21, 417-43, vi | | 25 |
| 2127 | Geometric atlas: modeling the cortex as an organized surface. <i>NeuroImage</i> , 2003 , 20, 1468-1468 | 7.9 | |
| 2126 | Novelty responses and differential effects of order in the amygdala, substantia innominata, and inferior temporal cortex. <i>NeuroImage</i> , 2003 , 18, 660-9 | 7.9 | 142 |
| 2125 | Automatic volumetric segmentation of human visual retinotopic cortex. <i>NeuroImage</i> , 2003 , 18, 576-87 | 7.9 | 46 |
| 2124 | Detection of cortical transition regions utilizing statistical analyses of excess masses. <i>NeuroImage</i> , 2003 , 19, 42-63 | 7.9 | 10 |
| 2123 | Cortical activation to illusory shapes as measured with magnetoencephalography. <i>NeuroImage</i> , 2003 , 18, 1001-9 | 7.9 | 114 |

| | | | |
|------|--|-----|-----|
| 2122 | Spatiotemporal maps of past-tense verb inflection. <i>NeuroImage</i> , 2003 , 19, 91-100 | 7.9 | 46 |
| 2121 | The LONI Pipeline Processing Environment. <i>NeuroImage</i> , 2003 , 19, 1033-48 | 7.9 | 262 |
| 2120 | Dynamic programming generation of boundaries of local coordinatized submanifolds in the neocortex: application to the planum temporale. <i>NeuroImage</i> , 2003 , 20, 359-77 | 7.9 | 49 |
| 2119 | Modeling & Analysis. <i>NeuroImage</i> , 2003 , 19, e1485-e2073 | 7.9 | 0 |
| 2118 | Amygdala and insular responses to emotionally valenced human faces in small animal specific phobia. 2003 , 54, 1067-76 | | 117 |
| 2117 | Geometric atlas: modeling the cortex as an organized surface. <i>NeuroImage</i> , 2003 , 20, 1468-84 | 7.9 | 41 |
| 2116 | The use of anatomical constraints with MEG beamformers. <i>NeuroImage</i> , 2003 , 20, 2302-13 | 7.9 | 92 |
| 2115 | Identifying regional activity associated with temporally separated components of working memory using event-related functional MRI. <i>NeuroImage</i> , 2003 , 20, 1670-84 | 7.9 | 94 |
| 2114 | Spatiotemporal dynamics of modality-specific and supramodal word processing. 2003 , 38, 487-97 | | 363 |
| 2113 | Spatial updating in human parietal cortex. 2003 , 39, 361-73 | | 231 |
| 2112 | Stereopsis activates V3A and caudal intraparietal areas in macaques and humans. 2003 , 39, 555-68 | | 267 |
| 2111 | Heterogeneity of MR signal intensity mapped onto brain surface models. | | 1 |
| 2110 | Regionally localized thinning of the cerebral cortex in schizophrenia. 2003 , 60, 878-88 | | 740 |
| 2109 | Processing shape, motion and three-dimensional shape-from-motion in the human cortex. 2003 , 13, 508-16 | | 102 |
| 2108 | Sulcal lines extraction for cortex characterization in cerebral MR images using the image foresting transform. | | |
| 2107 | fMRI responses to video and point-light displays of moving humans and manipulable objects. 2003 , 15, 991-1001 | | 352 |
| 2106 | Human cerebellum: surface-assisted cortical parcellation and volumetry with magnetic resonance imaging. 2003 , 15, 584-99 | | 60 |
| 2105 | Geometric Level Set Methods in Imaging, Vision, and Graphics. 2003 , | | 263 |

| | | |
|------|--|------|
| 2104 | Hemispheric surface area: sex, laterality and age effects. 2003 , 13, 364-70 | 20 |
| 2103 | Distinct patterns of neural modulation during the processing of conceptual and syntactic anomalies. 2003 , 15, 272-93 | 201 |
| 2102 | Characterization of the human cortex in MR images through the image foresting transform. | 2 |
| 2101 | Focal thinning of the cerebral cortex in multiple sclerosis. 2003 , 126, 1734-44 | 285 |
| 2100 | Permutation tests for classification: towards statistical significance in image-based studies. 2003 , 18, 330-41 | 197 |
| 2099 | Complete flatmounting of the macaque cerebral cortex. 2003 , 20, 663-86 | 51 |
| 2098 | Neuroimaging of direction-selective mechanisms for second-order motion. 2003 , 90, 3242-54 | 68 |
| 2097 | What neural correlates underlie successful encoding and retrieval? A functional magnetic resonance imaging study using a divided attention paradigm. 2003 , 23, 2407-15 | 112 |
| 2096 | Functional asymmetry for auditory processing in human primary auditory cortex. 2003 , 23, 11516-22 | 96 |
| 2095 | Dynamic Statistical Parametric Mapping for Analyzing the Magnetoencephalographic Epileptiform Activity in Patients With Epilepsy. 2004 , 19, 363-369 | |
| 2094 | Direct comparison of visual cortex activation in human and nonhuman primates using functional magnetic resonance imaging. 2004 , 385, 102-34 | 2 |
| 2093 | First-order and second-order motion: neurological evidence for neuroanatomically distinct systems. 2004 , 144, 197-212 | 34 |
| 2092 | SUMA: an interface for surface-based intra- and inter-subject analysis with AFNI. | 32 |
| 2091 | Cortical surface flattening using least square conformal mapping with minimal metric distortion. | 3 |
| 2090 | Automatically parcellating the human cerebral cortex. 2004 , 14, 11-22 | 2867 |
| 2089 | Spatiotemporal dynamics of word processing in the human cortex. 2004 , 10, 142-52 | 56 |
| 2088 | Thinning of the cerebral cortex in aging. 2004 , 14, 721-30 | 1282 |
| 2087 | Geodesic closest point constrained inter-subject non-rigid registration. 2004 , | |

| | | |
|------|---|-------|
| 2086 | Fear fosters flight: a mechanism for fear contagion when perceiving emotion expressed by a whole body. 2004 , 101, 16701-6 | 363 |
| 2085 | A neural representation of pitch salience in nonprimary human auditory cortex revealed with functional magnetic resonance imaging. 2004 , 24, 6810-5 | 220 |
| 2084 | Point-light biological motion perception activates human premotor cortex. 2004 , 24, 6181-8 | 327 |
| 2083 | Retinotopic organization in children measured with fMRI. 2004 , 4, 509-23 | 38 |
| 2082 | Human posterior auditory cortex gates novel sounds to consciousness. 2004 , 101, 6809-14 | 336 |
| 2081 | Tonotopic organization in human auditory cortex revealed by progressions of frequency sensitivity. 2004 , 91, 1282-96 | 237 |
| 2080 | Structural MR imaging. 2004 , 45 Suppl 4, 4-16 | 13 |
| 2079 | Server-based approach to web visualization of integrated three-dimensional brain imaging data. 2005 , 12, 140-51 | 11 |
| 2078 | Metallic electrodes and leads in simultaneous EEG-MRI: specific absorption rate (SAR) simulation studies. 2004 , 25, 285-95 | 61 |
| 2077 | Basal ganglia activity remains elevated after movement in focal hand dystonia. 2004 , 55, 744-8 | 73 |
| 2076 | Question/statement judgments: an fMRI study of intonation processing. 2004 , 23, 85-98 | 33 |
| 2075 | Mapping techniques for aligning sulci across multiple brains. 2004 , 8, 295-309 | 71 |
| 2074 | Interactive thickness visualization of articular cartilage. | 7 |
| 2073 | Meta-analysis of functional imaging studies using a geometric model of the cortical surface. | |
| 2072 | Modeling & Analysis. <i>NeuroImage</i> , 2004 , 22, e1393-e1900 | 7.9 1 |
| 2071 | A magnetic resonance imaging study of cortical thickness in animal phobia. 2004 , 55, 946-52 | 32 |
| 2070 | The human visual cortex. 2004 , 27, 649-77 | 764 |
| 2069 | Physiological basis and image processing in functional magnetic resonance imaging: neuronal and motor activity in brain. 2004 , 3, 13 | 8 |

| | | | |
|------|---|-----|------|
| 2068 | A hybrid approach to the skull stripping problem in MRI. <i>NeuroImage</i> , 2004 , 22, 1060-1060 | 7.9 | 6 |
| 2067 | The functional neuroanatomy of the human orbitofrontal cortex: evidence from neuroimaging and neuropsychology. 2004 , 72, 341-72 | | 1532 |
| 2066 | Retinotopic mapping of the visual cortex using functional magnetic resonance imaging in a patient with central scotomas from atrophic macular degeneration. 2004 , 111, 1595-8 | | 105 |
| 2065 | Integration of auditory and visual information about objects in superior temporal sulcus. 2004 , 41, 809-23 | | 559 |
| 2064 | Multiple spotlights of attentional selection in human visual cortex. 2004 , 42, 677-86 | | 219 |
| 2063 | Towards a quantitative, probabilistic neuroanatomy of cerebral cortex. 2004 , 40, 211-2 | | 16 |
| 2062 | Attention increases neural selectivity in the human lateral occipital complex. 2004 , 7, 70-4 | | 244 |
| 2061 | Human MT+ mediates perceptual filling-in during apparent motion. <i>NeuroImage</i> , 2004 , 21, 1772-80 | 7.9 | 67 |
| 2060 | Deformable model with surface registration for hippocampal shape deformity analysis in schizophrenia. <i>NeuroImage</i> , 2004 , 22, 831-40 | 7.9 | 29 |
| 2059 | Neuroanatomy of adult strabismus: a voxel-based morphometric analysis of magnetic resonance structural scans. <i>NeuroImage</i> , 2004 , 22, 986-94 | 7.9 | 58 |
| 2058 | Activation of the fusiform gyrus when individuals with autism spectrum disorder view faces. <i>NeuroImage</i> , 2004 , 22, 1141-50 | 7.9 | 262 |
| 2057 | A hybrid approach to the skull stripping problem in MRI. <i>NeuroImage</i> , 2004 , 22, 1060-75 | 7.9 | 1540 |
| 2056 | Local landmark-based mapping of human auditory cortex. <i>NeuroImage</i> , 2004 , 22, 1657-70 | 7.9 | 23 |
| 2055 | Deformable registration of cortical structures via hybrid volumetric and surface warping. <i>NeuroImage</i> , 2004 , 22, 1790-801 | 7.9 | 97 |
| 2054 | Spectral spatiotemporal imaging of cortical oscillations and interactions in the human brain. <i>NeuroImage</i> , 2004 , 23, 582-95 | 7.9 | 144 |
| 2053 | CRUISE: cortical reconstruction using implicit surface evolution. <i>NeuroImage</i> , 2004 , 23, 997-1012 | 7.9 | 199 |
| 2052 | Sequence-independent segmentation of magnetic resonance images. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S69-84 | 7.9 | 1507 |
| 2051 | Cortical cartography using the discrete conformal approach of circle packings. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S119-28 | 7.9 | 73 |

| | | | |
|------|--|-----|-----|
| 2050 | Computational anatomy: shape, growth, and atrophy comparison via diffeomorphisms. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S19-33 | 7.9 | 136 |
| 2049 | Surface-based approaches to spatial localization and registration in primate cerebral cortex. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S97-107 | 7.9 | 162 |
| 2048 | Cortical surface segmentation and mapping. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S108-18 | 7.9 | 51 |
| 2047 | A high resolution assessment of the repeatability of relative location and intensity of transcranial magnetic stimulation-induced and volitionally induced blood oxygen level-dependent response in the motor cortex. 2004 , 17, 163-73 | | 12 |
| 2046 | Electroencephalographic Recordings of Focal Seizures in Patients Affected by Periventricular Nodular Heterotopia: Role of the Heterotopic Nodules in the Genesis of Epileptic Discharges. 2004 , 19, 369-377 | | |
| 2045 | An increased precision comparison of TMS-induced motor cortex BOLD fMRI response for image-guided versus function-guided coil placement. 2005 , 18, 119-26 | | 30 |
| 2044 | Age-dependent changes in distribution of P3a/P3b amplitude and thickness of the cerebral cortex. 2005 , 16, 1451-4 | | 11 |
| 2043 | A genetic algorithm for the topology correction of cortical surfaces. 2005 , 19, 393-405 | | 69 |
| 2042 | Multiple sclerosis medical image analysis and information management. 2005 , 15, 103S-117S | | 21 |
| 2041 | Statistical criteria in FMRI studies of multisensory integration. 2005 , 3, 93-113 | | 174 |
| 2040 | Application of magnetoencephalography in epilepsy patients with widespread spike or slow-wave activity. 2005 , 46, 1264-72 | | 66 |
| 2039 | Differing neuropsychological and neuroanatomical correlates of abnormal reading in early-stage semantic dementia and dementia of the Alzheimer type. 2005 , 43, 833-46 | | 39 |
| 2038 | Voxel-based analysis of MRI detects abnormal visual cortex in children and adults with amblyopia. 2005 , 25, 222-36 | | 88 |
| 2037 | Meta-analysis of neuroimaging studies of the Wisconsin card-sorting task and component processes. 2005 , 25, 35-45 | | 354 |
| 2036 | Anatomy of the soul as reflected in the cerebral hemispheres: neural circuits underlying voluntary control of basic motivated behaviors. 2005 , 493, 122-31 | | 68 |
| 2035 | Methods for functional magnetic resonance imaging in normal and lesioned behaving monkeys. 2005 , 143, 179-95 | | 27 |
| 2034 | Developmental mechanics of the primate cerebral cortex. 2005 , 210, 411-7 | | 150 |
| 2033 | New Numerical Solution of the Laplace Equation for Tissue Thickness Measurement in Three-Dimensional MRI. 2005 , 4, 83-97 | | 8 |

| | | |
|------|--|---------|
| 2032 | Cortical surface alignment using geometry driven multispectral optical flow. 2005 , 19, 480-92 | 18 |
| 2031 | Brain surface reformatted images for fast and easy localization of perirolandic lesions. 2005 , 102, 302-10 | 23 |
| 2030 | Spatial working memory specific activity in dorsal prefrontal cortex? Disparate answers from fMRI beta-weight and timecourse analysis. 2005 , 22, 905-20 | 35 |
| 2029 | Electroencephalographic recordings of focal seizures in patients affected by periventricular nodular heterotopia: role of the heterotopic nodules in the genesis of epileptic discharges. 2005 , 20, 369-77 | 15 |
| 2028 | Neuroanatomical correlates of extraversion and neuroticism. 2006 , 16, 1809-19 | 162 |
| 2027 | Spatial reconstruction of trajectories of an array of recording microelectrodes. 2005 , 93, 2318-30 | 22 |
| 2026 | Reproducibility of functional MR imaging: preliminary results of prospective multi-institutional study performed by Biomedical Informatics Research Network. 2005 , 237, 781-9 | 86 |
| 2025 | A stochastic model for studying the laminar structure of cortex from MRI. 2005 , 24, 728-42 | 13 |
| 2024 | Visual field map clusters in human cortex. 2005 , 360, 693-707 | 198 |
| 2023 | Increasing the power of functional maps of the medial temporal lobe by using large deformation diffeomorphic metric mapping. 2005 , 102, 9685-90 | 143 |
| 2022 | Genetic contributions to human gyrification: sulcal morphometry in Williams syndrome. 2005 , 25, 7840-6 | 109 |
| 2021 | Processing efficiency of divided spatial attention mechanisms in human visual cortex. 2005 , 25, 9444-8 | 82 |
| 2020 | New surface flattening scheme and its application in the visualization of the human cortex unfolding. 2005 , 28, 539-543 | |
| 2019 | Reorganization of visual processing in macular degeneration. 2005 , 25, 614-8 | 202 |
| 2018 | Dynamic statistical parametric mapping for analyzing the magnetoencephalographic epileptiform activity in patients with epilepsy. 2005 , 20, 363-9 | 23 |
| 2017 | Cerebral cortex thickness in 15-year-old adolescents with low birth weight measured by an automated MRI-based method. 2005 , 128, 2588-96 | 152 |
| 2016 | Well-Separated Pair Decomposition for the Unit-Disk Graph Metric and Its Applications. 2005 , 35, 151-169 | 11 |
| 2015 | Identification of the neural sources of the pattern-reversal VEP. <i>NeuroImage</i> , 2005 , 24, 874-86 | 7.9 204 |

| | | | |
|------|---|-----|-----|
| 2014 | Increased MEG activation in OCD reflects a compensatory mechanism specific to the phase of a visual working memory task. <i>NeuroImage</i> , 2005 , 24, 1180-91 | 7.9 | 32 |
| 2013 | Hippocampal shape analysis using medial surfaces. <i>NeuroImage</i> , 2005 , 25, 1077-89 | 7.9 | 80 |
| 2012 | Visualizing human brain surface from T1-weighted MR images using texture-mapped triangle meshes. <i>NeuroImage</i> , 2005 , 26, 1-12 | 7.9 | 5 |
| 2011 | Bayesian analysis of the neuromagnetic inverse problem with $l(p)$ -norm priors. <i>NeuroImage</i> , 2005 , 26, 870-84 | 7.9 | 48 |
| 2010 | Automated 3-D extraction and evaluation of the inner and outer cortical surfaces using a Laplacian map and partial volume effect classification. <i>NeuroImage</i> , 2005 , 27, 210-21 | 7.9 | 686 |
| 2009 | The integrated response of the human cerebro-cerebellar and limbic systems to acupuncture stimulation at ST 36 as evidenced by fMRI. <i>NeuroImage</i> , 2005 , 27, 479-96 | 7.9 | 376 |
| 2008 | Spatiotemporal brain maps of delayed word repetition and recognition. <i>NeuroImage</i> , 2005 , 28, 293-304 | 7.9 | 19 |
| 2007 | Quantitative evaluation of three cortical surface flattening methods. <i>NeuroImage</i> , 2005 , 28, 869-80 | 7.9 | 31 |
| 2006 | A Population-Average, Landmark- and Surface-based (PALS) atlas of human cerebral cortex. <i>NeuroImage</i> , 2005 , 28, 635-62 | 7.9 | 948 |
| 2005 | An introduction to MR imaging-based stroke morphometry. 2005 , 15, 325-39, x | | 4 |
| 2004 | Thickness of ventromedial prefrontal cortex in humans is correlated with extinction memory. 2005 , 102, 10706-11 | | 330 |
| 2003 | Rostral and dorsal anterior cingulate cortex make dissociable contributions during antisaccade error commission. 2005 , 102, 15700-5 | | 166 |
| 2002 | Dissociable controlled retrieval and generalized selection mechanisms in ventrolateral prefrontal cortex. 2005 , 47, 907-18 | | 681 |
| 2001 | Human dorsal and ventral auditory streams subserve rehearsal-based and echoic processes during verbal working memory. 2005 , 48, 687-97 | | 217 |
| 2000 | Functional MRI in Epilepsy. 2005 , 281-298 | | |
| 1999 | Improving Sensitivity and Reliability of fMRI Group Studies through High Level Combination of Individual Subjects Results. | | 3 |
| 1998 | Cortical Surface Shape Analysis Based on Spherical Wavelet Transformation. 2006 , 2006, | | 1 |
| 1997 | Cluster analysis of dynamic cerebral contrast-enhanced perfusion MRI time-series. 2006 , 25, 62-73 | | 27 |

| | | | |
|------|--|-----|------|
| 1996 | Different regional patterns of cortical thinning in Alzheimer's disease and frontotemporal dementia. 2007 , 130, 1159-66 | | 316 |
| 1995 | Abstract grammatical processing of nouns and verbs in Broca's area: evidence from fMRI. 2006 , 42, 540-62 | | 88 |
| 1994 | Determinants of bold signal correlates of processing object-extracted relative clauses. 2006 , 42, 591-604 | | 57 |
| 1993 | Selective increase of cortical thickness in high-performing elderly--structural indices of optimal cognitive aging. <i>NeuroImage</i> , 2006 , 29, 984-94 | 7.9 | 103 |
| 1992 | Cortical reconstruction using implicit surface evolution: accuracy and precision analysis. <i>NeuroImage</i> , 2006 , 29, 838-52 | 7.9 | 34 |
| 1991 | Ecphory of autobiographical memories: an fMRI study of recent and remote memory retrieval. <i>NeuroImage</i> , 2006 , 30, 285-98 | 7.9 | 98 |
| 1990 | Cortical plasticity following surgical extension of lower limbs. <i>NeuroImage</i> , 2006 , 30, 172-83 | 7.9 | 21 |
| 1989 | Brain correlates of negative and positive visuospatial priming in adults. <i>NeuroImage</i> , 2006 , 30, 983-91 | 7.9 | 28 |
| 1988 | Estimating linear cortical magnification in human primary visual cortex via dynamic programming. <i>NeuroImage</i> , 2006 , 31, 125-38 | 7.9 | 55 |
| 1987 | Assessing and improving the spatial accuracy in MEG source localization by depth-weighted minimum-norm estimates. <i>NeuroImage</i> , 2006 , 31, 160-71 | 7.9 | 314 |
| 1986 | Somatosensory cortical plasticity in carpal tunnel syndrome--a cross-sectional fMRI evaluation. <i>NeuroImage</i> , 2006 , 31, 520-30 | 7.9 | 88 |
| 1985 | A novel quantitative cross-validation of different cortical surface reconstruction algorithms using MRI phantom. <i>NeuroImage</i> , 2006 , 31, 572-84 | 7.9 | 96 |
| 1984 | Regional cortical thickness matters in recall after months more than minutes. <i>NeuroImage</i> , 2006 , 31, 1343-51 | 7.9 | 58 |
| 1983 | An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest. <i>NeuroImage</i> , 2006 , 31, 968-80 | 7.9 | 6799 |
| 1982 | Cortical surface-based analysis of 18F-FDG PET: measured metabolic abnormalities in schizophrenia are affected by cortical structural abnormalities. <i>NeuroImage</i> , 2006 , 31, 1434-44 | 7.9 | 46 |
| 1981 | Reliability of MRI-derived measurements of human cerebral cortical thickness: the effects of field strength, scanner upgrade and manufacturer. <i>NeuroImage</i> , 2006 , 32, 180-94 | 7.9 | 1133 |
| 1980 | An fMRI investigation of syllable sequence production. <i>NeuroImage</i> , 2006 , 32, 821-41 | 7.9 | 373 |
| 1979 | Human cerebral cortex: a system for the integration of volume- and surface-based representations. <i>NeuroImage</i> , 2006 , 33, 139-53 | 7.9 | 59 |

| | | | |
|------|--|-----|-----|
| 1978 | Mapping an intrinsic MR property of gray matter in auditory cortex of living humans: a possible marker for primary cortex and hemispheric differences. <i>NeuroImage</i> , 2006 , 32, 1524-37 | 7.9 | 128 |
| 1977 | Automated brainstem co-registration (ABC) for MRI. <i>NeuroImage</i> , 2006 , 32, 1113-9 | 7.9 | 64 |
| 1976 | Making sense of discourse: an fMRI study of causal inferencing across sentences. <i>NeuroImage</i> , 2006 , 33, 343-61 | 7.9 | 128 |
| 1975 | Smoothing and cluster thresholding for cortical surface-based group analysis of fMRI data. <i>NeuroImage</i> , 2006 , 33, 1093-103 | 7.9 | 543 |
| 1974 | fMRI Measures of Perceptual Filling-in in the Human Visual Cortex. 2006 , 18, 363-375 | | 52 |
| 1973 | Anatomical differences in the mirror neuron system and social cognition network in autism. 2006 , 16, 1276-82 | | 468 |
| 1972 | Effects of sound level on fMRI activation in human brainstem, thalamic and cortical centers. 2006 , 215, 67-76 | | 82 |
| 1971 | The radial bias: a different slant on visual orientation sensitivity in human and nonhuman primates. 2006 , 51, 661-70 | | 148 |
| 1970 | Interhemispheric integration at different spatial scales: the evidence from EEG coherence and FMRI. 2006 , 96, 259-75 | | 25 |
| 1969 | Fast Talairach Transformation for magnetic resonance neuroimages. 2006 , 30, 629-41 | | 25 |
| 1968 | Shape-based Discrimination and Classification of Cortical Surfaces. 2006 , | | |
| 1967 | Elastic surface registration by parameterization optimization in spectral space. 2006 , 6065, 321 | | 1 |
| 1966 | Task-dependent changes in brain activation following therapy for nonfluent aphasia: discussion of two individual cases. 2006 , 12, 828-42 | | 41 |
| 1965 | POSS: efficient nonlinear optimization for parameterization methods. 2006 , 6066, 200 | | 1 |
| 1964 | Advances in magnetic resonance imaging methods for the evaluation of bipolar disorder. 2006 , 11, 269-80 | | 10 |
| 1963 | Regional cerebral cortical thinning in bipolar disorder. 2006 , 8, 65-74 | | 246 |
| 1962 | The BOLD effect of interictal spike activity in childhood occipital lobe epilepsy. 2006 , 47, 1536-42 | | 26 |
| 1961 | Maintaining the point correspondence in the level set framework. 2006 , 220, 339-354 | | 16 |

| | | |
|------|---|-----|
| 1960 | Medical image registration with partial data. 2006 , 10, 452-64 | 113 |
| 1959 | Interactive effects of APOE and CHRNA4 on attention and white matter volume in healthy middle-aged and older adults. 2006 , 6, 31-43 | 69 |
| 1958 | MEG and EEG source localization in beamspace. 2006 , 53, 430-41 | 32 |
| 1957 | Cortical patch basis model for spatially extended neural activity. 2006 , 53, 1740-54 | 66 |
| 1956 | Early detection of schizophrenia by diffusion weighted imaging. 2006 , 148, 61-6 | 46 |
| 1955 | Distributed current estimates using cortical orientation constraints. 2006 , 27, 1-13 | 236 |
| 1954 | Simplified intersubject averaging on the cortical surface using SUMA. 2006 , 27, 14-27 | 152 |
| 1953 | Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: effects of diagnosis, bias correction, and slice location. 2006 , 27, 99-113 | 131 |
| 1952 | Location and spatial profile of category-specific regions in human extrastriate cortex. 2006 , 27, 77-89 | 210 |
| 1951 | Dealing with the shortcomings of spatial normalization: multi-subject parcellation of fMRI datasets. 2006 , 27, 678-93 | 139 |
| 1950 | Functional imaging analysis contest (FIAC) analysis according to AFNI and SUMA. 2006 , 27, 417-24 | 50 |
| 1949 | Neuroimaging H.M.: a 10-year follow-up examination. 2006 , 16, 936-45 | 34 |
| 1948 | Wide-field retinotopy defines human cortical visual area v6. 2006 , 26, 7962-73 | 220 |
| 1947 | Objects Are Highlighted by Spatial Attention. 2006 , 18, 298-310 | 101 |
| 1946 | Regionally specific cortical thinning and gray matter abnormalities in the healthy relatives of schizophrenia patients. 2007 , 17, 415-24 | 94 |
| 1945 | Adjustment for whole brain and cranial size in volumetric brain studies: a review of common adjustment factors and statistical methods. 2006 , 14, 141-51 | 61 |
| 1944 | Role of mechanical factors in the morphology of the primate cerebral cortex. 2006 , 2, e22 | 228 |
| 1943 | Computational and neurobiological mechanisms underlying cognitive flexibility. 2006 , 103, 7186-91 | 132 |

| | | |
|------|---|-----|
| 1942 | Discrimination training alters object representations in human extrastriate cortex. 2006 , 26, 13025-36 | 192 |
| 1941 | Atlases of the Human Brain: Tools for Functional Neuroimaging. 2006 , 566-603 | 5 |
| 1940 | An Approach for Intersubject Analysis of 3D Brain Images Based on Conformal Geometry. 2006 , | 5 |
| 1939 | Invertible Filter Banks on the 2-Sphere. 2006 , | 4 |
| 1938 | Least square conformal mapping with spring energy. | |
| 1937 | Cortical Folding Development Study based on Over-Complete Spherical Wavelets. 2007 , 2007, | 12 |
| 1936 | An EEG-based real-time cortical rhythmic activity monitoring system: a pilot study. 2007 , 2007, 4394-7 | |
| 1935 | BRAIN SURFACE CONFORMAL PARAMETERIZATION WITH THE RICCI FLOW. 2007 , | 6 |
| 1934 | Visual word processing and experiential origins of functional selectivity in human extrastriate cortex. 2007 , 104, 9087-92 | 277 |
| 1933 | Human cortical activity during streaming without spectral cues suggests a general neural substrate for auditory stream segregation. 2007 , 27, 13074-81 | 70 |
| 1932 | Human MST but not MT responds to tactile stimulation. 2007 , 27, 8261-7 | 97 |
| 1931 | Neural activity is modulated by trial history: a functional magnetic resonance imaging study of the effects of a previous antisaccade. 2007 , 27, 1791-8 | 65 |
| 1930 | Topographic maps in human frontal cortex revealed in memory-guided saccade and spatial working-memory tasks. 2007 , 97, 3494-507 | 160 |
| 1929 | The influence of semantic processing on phonological decisions in children and adults: a magnetoencephalography (MEG) study. 2007 , 50, 716-31 | 20 |
| 1928 | Increased temporal and prefrontal activity in response to semantic associations in schizophrenia. 2007 , 64, 138-51 | 93 |
| 1927 | What is involved and what is necessary for complex linguistic and nonlinguistic auditory processing: evidence from functional magnetic resonance imaging and lesion data. 2007 , 19, 799-816 | 82 |
| 1926 | Functional magnetic resonance imaging evidence for a hierarchical organization of the prefrontal cortex. 2007 , 19, 2082-99 | 435 |
| 1925 | The Empirical Type I Error of Dynamic Statistical Parameter Mapping Estimates. 2007 , | 1 |

| | | |
|------|--|--------|
| 1924 | Structural analysis of fMRI data revisited: improving the sensitivity and reliability of fMRI group studies. 2007 , 26, 1256-69 | 41 |
| 1923 | Brain Activities during 3-D Structure Perception from 2-D Motion as Assessed by Combined MEG/fMRI Techniques. 2007 , | |
| 1922 | Hippocampal activation in adults with mild cognitive impairment predicts subsequent cognitive decline. 2008 , 79, 630-5 | 165 |
| 1921 | A tale of two cities: a neuroimaging investigation of Melbourne-Sydney rivalry comparing cortical thickness in healthy adults. 2007 , 15, 67-71 | 1 |
| 1920 | Brain networks subserving the extraction of sentence information and its encoding to memory. 2007 , 17, 2899-913 | 64 |
| 1919 | Selectivity for animal vocalizations in the human auditory cortex. 2007 , 17, 2601-8 | 49 |
| 1918 | Cortical thinning of the attention and executive function networks in adults with attention-deficit/hyperactivity disorder. 2007 , 17, 1364-75 | 334 |
| 1917 | Visual topography of human intraparietal sulcus. 2007 , 27, 5326-37 | 375 |
| 1916 | Gender-specific left-right asymmetries in human visual cortex. 2007 , 27, 1356-64 | 96 |
| 1915 | Hearing lips and seeing voices: how cortical areas supporting speech production mediate audiovisual speech perception. 2007 , 17, 2387-99 | 294 |
| 1914 | Stability of brain potentials, mental abilities, and cortical thickness. 2007 , 18, 725-8 | 5 |
| 1913 | Combined activation and deactivation of visual cortex during tactile sensory processing. 2007 , 97, 1633-41 | 108 |
| 1912 | Abstract coding of audiovisual speech: beyond sensory representation. 2007 , 56, 1116-26 | 101 |
| 1911 | Multiscale 3-D shape representation and segmentation using spherical wavelets. 2007 , 26, 598-618 | 59 |
| 1910 | Distributed cortical networks for focused auditory attention and distraction. 2007 , 416, 247-51 | 36 |
| 1909 | Paving the way for cross-site pooling of magnetoencephalography (MEG) data. 2007 , 1300, 615-618 | 10 |
| 1908 | Hierarchical Bayesian estimates of distributed MEG sources: theoretical aspects and comparison of variational and MCMC methods. <i>NeuroImage</i> , 2007 , 35, 669-85 | 7.9 54 |
| 1907 | Neuroimaging evidence for object model verification theory: Role of prefrontal control in visual object categorization. <i>NeuroImage</i> , 2007 , 34, 384-98 | 7.9 40 |

| | | | |
|------|--|-----|-----|
| 1906 | Spatial accuracy of fMRI activation influenced by volume- and surface-based spatial smoothing techniques. <i>NeuroImage</i> , 2007 , 34, 550-64 | 7.9 | 66 |
| 1905 | In praise of tedious anatomy. <i>NeuroImage</i> , 2007 , 37, 1033-41; discussion 1050-8 | 7.9 | 152 |
| 1904 | Dodecapus: An MR-compatible system for somatosensory stimulation. <i>NeuroImage</i> , 2007 , 34, 1060-73 | 7.9 | 75 |
| 1903 | Spatial dynamics of masked picture repetition effects. <i>NeuroImage</i> , 2007 , 34, 1723-32 | 7.9 | 19 |
| 1902 | Neuroanatomical correlates of personality in the elderly. <i>NeuroImage</i> , 2007 , 35, 263-72 | 7.9 | 81 |
| 1901 | MRI-constrained spectral imaging of benzodiazepine modulation of spontaneous neuromagnetic activity in human cortex. <i>NeuroImage</i> , 2007 , 35, 577-82 | 7.9 | 35 |
| 1900 | Mental rotation and object categorization share a common network of prefrontal and dorsal and ventral regions of posterior cortex. <i>NeuroImage</i> , 2007 , 35, 1264-77 | 7.9 | 59 |
| 1899 | Hippocampus-specific fMRI group activation analysis using the continuous medial representation. <i>NeuroImage</i> , 2007 , 35, 1516-30 | 7.9 | 22 |
| 1898 | Parietal and superior frontal visuospatial maps activated by pointing and saccades. <i>NeuroImage</i> , 2007 , 35, 1562-77 | 7.9 | 152 |
| 1897 | The advantage of combining MEG and EEG: comparison to fMRI in focally stimulated visual cortex. <i>NeuroImage</i> , 2007 , 36, 1225-35 | 7.9 | 151 |
| 1896 | Volumetric cerebral characteristics of children exposed to opiates and other substances in utero. <i>NeuroImage</i> , 2007 , 36, 1331-44 | 7.9 | 112 |
| 1895 | Automatic relevance determination based hierarchical Bayesian MEG inversion in practice. <i>NeuroImage</i> , 2007 , 37, 876-89 | 7.9 | 28 |
| 1894 | Reduced microstructural integrity of the white matter underlying anterior cingulate cortex is associated with increased saccadic latency in schizophrenia. <i>NeuroImage</i> , 2007 , 37, 599-610 | 7.9 | 73 |
| 1893 | Combining anatomical manifold information via diffeomorphic metric mappings for studying cortical thinning of the cingulate gyrus in schizophrenia. <i>NeuroImage</i> , 2007 , 37, 821-33 | 7.9 | 43 |
| 1892 | The occipitofrontal fascicle in humans: a quantitative, in vivo, DT-MRI study. <i>NeuroImage</i> , 2007 , 37, 1100-11 | 7.9 | 77 |
| 1891 | Human cortical representations for reaching: mirror neurons for execution, observation, and imagery. <i>NeuroImage</i> , 2007 , 37, 1315-28 | 7.9 | 449 |
| 1890 | Activations in visual and attention-related areas predict and correlate with the degree of perceptual learning. 2007 , 27, 11401-11 | | 132 |
| 1889 | Brain functional localization: a survey of image registration techniques. 2007 , 26, 427-51 | | 169 |

| | | |
|------|---|-----|
| 1888 | An EEG-based real-time cortical rhythmic activity monitoring system. 2007 , 28, 1101-13 | 16 |
| 1887 | Detecting Sparse Signals in Random Fields, With an Application to Brain Mapping. 2007 , 102, 913-928 | 83 |
| 1886 | Relationship of fMRI activation to clinical trial memory measures in Alzheimer disease. 2007 , 69, 1331-41 | 32 |
| 1885 | Linear Dynamical System Response Modeling of Trial-to-Trial Amplitude Variability in Event-Related MEG/EEG. 2007 , | |
| 1884 | Cortical surface shape analysis based on spherical wavelets. 2007 , 26, 582-97 | 69 |
| 1883 | Brain surface conformal parameterization using Riemann surface structure. 2007 , 26, 853-65 | 67 |
| 1882 | What Data to Co-register for Computing Atlases. 2007 , 2007, | 4 |
| 1881 | Entropy-controlled quadratic markov measure field models for efficient image segmentation. 2007 , 16, 3047-57 | 46 |
| 1880 | RECONSTRUCTION OF CENTRAL CORTICAL SURFACE FROM BRAIN MRI IMAGES: METHOD AND APPLICATION. 2007 , | 1 |
| 1879 | Abnormal cortical folding patterns within Broca's area in schizophrenia: evidence from structural MRI. 2007 , 94, 317-27 | 64 |
| 1878 | Determination of hemispheric emotional valence in individual subjects: a new approach with research and therapeutic implications. 2007 , 3, 13 | 22 |
| 1877 | Visual Cortex: Evolution of Maps and Mapping. 2007 , 423-435 | |
| 1876 | Magnocellular projections as the trigger of top-down facilitation in recognition. 2007 , 27, 13232-40 | 323 |
| 1875 | A preference for contralateral stimuli in human object- and face-selective cortex. 2007 , 2, e574 | 120 |
| 1874 | Sulcal thickness as a vulnerability indicator for schizophrenia. 2007 , 191, 229-33 | 39 |
| 1873 | Somatosensory cortical plasticity in carpal tunnel syndrome treated by acupuncture. 2007 , 28, 159-71 | 90 |
| 1872 | Spatiotemporal analysis of the cortical sources of the steady-state visual evoked potential. 2007 , 28, 323-34 | 220 |
| 1871 | Spatiotemporal cortical dynamics underlying abstract and concrete word reading. 2007 , 28, 355-62 | 51 |

| | | |
|------|---|-----|
| 1870 | Abnormal activation of the social brain during face perception in autism. 2007 , 28, 441-9 | 215 |
| 1869 | Bayesian inverse analysis of neuromagnetic data using cortically constrained multiple dipoles. 2007 , 28, 979-94 | 14 |
| 1868 | Cognitive function, P3a/P3b brain potentials, and cortical thickness in aging. 2007 , 28, 1098-116 | 40 |
| 1867 | Prefrontal-hippocampal-fusiform activity during encoding predicts intraindividual differences in free recall ability: an event-related functional-anatomic MRI study. 2007 , 17, 1060-70 | 72 |
| 1866 | Least-square conformal brain mapping with spring energy. 2007 , 31, 656-64 | 6 |
| 1865 | Brain mapping as a tool to study neurodegeneration. 2007 , 4, 387-400 | 45 |
| 1864 | Changes in cerebral cortex of children treated for medulloblastoma. 2007 , 68, 992-8 | 32 |
| 1863 | Direct cortical mapping via solving partial differential equations on implicit surfaces. 2007 , 11, 207-23 | 30 |
| 1862 | Improving the resolution of functional brain imaging: analyzing functional data in anatomical space. 2007 , 25, 1070-8 | 23 |
| 1861 | Retinotopic maps and foveal suppression in the visual cortex of amblyopic adults. 2007 , 583, 159-73 | 34 |
| 1860 | Speech-associated gestures, Broca's area, and the human mirror system. 2007 , 101, 260-77 | 216 |
| 1859 | Effects of phonological contrast on auditory word discrimination in children with and without reading disability: a magnetoencephalography (MEG) study. 2007 , 45, 3251-62 | 29 |
| 1858 | Precise Estimation of Brain Electrical Sources Using Anatomically Constrained Area Source (ACAS) Localization. 2007 , 43, 1713-1716 | 8 |
| 1857 | fMRI responses in medial frontal cortex that depend on the temporal frequency of visual input. 2007 , 180, 677-91 | 42 |
| 1856 | Cortical atrophy is relevant in multiple sclerosis at clinical onset. 2007 , 254, 1212-20 | 182 |
| 1855 | Feasibility of multi-site clinical structural neuroimaging studies of aging using legacy data. 2007 , 5, 235-45 | 82 |
| 1854 | Robust parametrization of brain surface meshes. 2008 , 12, 291-9 | 14 |
| 1853 | Measures of spatial similarity and response magnitude in MEG and scalp EEG. 2008 , 20, 131-41 | 22 |

| | | |
|------|--|-----|
| 1852 | Approximation of optimal surface parameterizations and the application in cerebral cortex mapping. 2008 , 212, 497-511 | |
| 1851 | A methodology for analyzing curvature in the developing brain from preterm to adult. 2008 , 18, 42-68 | 107 |
| 1850 | A fast spherical inflation method of the cerebral cortex by deformation of a simplex mesh on the polar coordinates. 2008 , 18, 9-16 | 5 |
| 1849 | Variability of the paracingulate sulcus and morphometry of the medial frontal cortex: associations with cortical thickness, surface area, volume, and sulcal depth. 2008 , 29, 222-36 | 91 |
| 1848 | Surface-based morphometry of the anterior cingulate cortex in first episode schizophrenia. 2008 , 29, 478-89 | 94 |
| 1847 | Task and semantic relationship influence both the polarity and localization of hemodynamic modulation during lexico-semantic processing. 2008 , 29, 544-61 | 40 |
| 1846 | Effects of registration regularization and atlas sharpness on segmentation accuracy. 2008 , 12, 603-15 | 72 |
| 1845 | A robust and accurate algorithm for estimating the complexity of the cortical surface. 2008 , 172, 122-30 | 23 |
| 1844 | Automated MRI parcellation study of regional volume and thickness of prefrontal cortex (PFC) in antipsychotic-naïve schizophrenia. 2008 , 117, 420-31 | 84 |
| 1843 | Feedback of visual object information to foveal retinotopic cortex. 2008 , 11, 1439-45 | 127 |
| 1842 | Regional neocortical thinning in mesial temporal lobe epilepsy. 2008 , 49, 794-803 | 141 |
| 1841 | Illustrative Hybrid Visualization and Exploration of Anatomical and Functional Brain Data. 2008 , 27, 855-862 | 11 |
| 1840 | A surface-based approach to quantify local cortical gyrification. 2008 , 27, 161-70 | 373 |
| 1839 | Hamilton-Jacobi skeleton on cortical surfaces. 2008 , 27, 664-73 | 31 |
| 1838 | A geometry-driven optical flow warping for spatial normalization of cortical surfaces. 2008 , 27, 1739-53 | 31 |
| 1837 | Reorganization of visual processing in macular degeneration: replication and clues about the role of foveal loss. 2008 , 48, 1910-9 | 104 |
| 1836 | Perception matches selectivity in the human anterior color center. 2008 , 18, 216-20 | 71 |
| 1835 | Anatomical abnormalities of the anterior cingulate and paracingulate cortex in patients with bipolar I disorder. 2008 , 162, 123-32 | 62 |

| | | | |
|------|--|-----|-----|
| 1834 | Investigating possible subtypes of schizophrenia patients and controls based on brain cortical thickness. 2008 , 164, 254-64 | | 8 |
| 1833 | MRI of the newborn brain. 2008 , 18, 183-195 | | 4 |
| 1832 | Regional thinning of the cerebral cortex in schizophrenia: effects of diagnosis, age and antipsychotic medication. 2008 , 98, 16-28 | | 161 |
| 1831 | Cingulate gyrus neuroanatomy in schizophrenia subjects and their non-psychotic siblings. 2008 , 104, 61-70 | | 45 |
| 1830 | Functional magnetic resonance imaging reveals neuroanatomical dissociations during semantic integration in schizophrenia. 2008 , 64, 407-18 | | 43 |
| 1829 | Integrated contextual representation for objects' identities and their locations. 2008 , 20, 371-88 | | 74 |
| 1828 | Accelerated age-related cortical thinning in healthy carriers of apolipoprotein E epsilon 4. 2008 , 29, 329-40 | | 107 |
| 1827 | Different dynamics of performance and brain activation in the time course of perceptual learning. 2008 , 57, 827-33 | | 228 |
| 1826 | Acupuncture modulates resting state connectivity in default and sensorimotor brain networks. 2008 , 136, 407-418 | | 209 |
| 1825 | A distributed spatio-temporal EEG/MEG inverse solver. 2008 , 11, 26-34 | | 5 |
| 1824 | Pointing with the eyes: the role of gaze in communicating danger. 2008 , 68, 1-8 | | 109 |
| 1823 | Training-induced structural changes in the adult human brain. 2008 , 192, 137-42 | | 319 |
| 1822 | Task-dependent and task-independent neurovascular responses to syntactic processing. 2008 , 44, 257-75 | | 83 |
| 1821 | Projection of fMRI data onto the cortical surface using anatomically-informed convolution kernels. <i>NeuroImage</i> , 2008 , 39, 127-35 | 7.9 | 21 |
| 1820 | Detection of cortical thickness correlates of cognitive performance: Reliability across MRI scan sessions, scanners, and field strengths. <i>NeuroImage</i> , 2008 , 39, 10-8 | 7.9 | 231 |
| 1819 | Intrinsic and extrinsic analysis in computational anatomy. <i>NeuroImage</i> , 2008 , 39, 1803-14 | 7.9 | 16 |
| 1818 | Improving the analysis, storage and sharing of neuroimaging data using relational databases and distributed computing. <i>NeuroImage</i> , 2008 , 39, 693-706 | 7.9 | 30 |
| 1817 | Structural damage to the corticospinal tract correlates with bilateral sensorimotor cortex reorganization in stroke patients. <i>NeuroImage</i> , 2008 , 39, 1370-82 | 7.9 | 98 |

| | | | |
|------|--|-----|-----|
| 1816 | Neuroanatomical distinctions within the semantic system during sentence comprehension: evidence from functional magnetic resonance imaging. <i>NeuroImage</i> , 2008 , 40, 367-88 | 7.9 | 87 |
| 1815 | Accurate prediction of V1 location from cortical folds in a surface coordinate system. <i>NeuroImage</i> , 2008 , 39, 1585-99 | 7.9 | 179 |
| 1814 | Head movements of children in MEG: quantification, effects on source estimation, and compensation. <i>NeuroImage</i> , 2008 , 40, 541-550 | 7.9 | 57 |
| 1813 | Reconstruction of central cortical surface from brain MRI images: method and application. <i>NeuroImage</i> , 2008 , 40, 991-1002 | 7.9 | 66 |
| 1812 | A selective representation of the meaning of actions in the auditory mirror system. <i>NeuroImage</i> , 2008 , 40, 1274-86 | 7.9 | 127 |
| 1811 | Structure-specific statistical mapping of white matter tracts. <i>NeuroImage</i> , 2008 , 41, 448-61 | 7.9 | 138 |
| 1810 | Impact of inconsistent resolution on VBM studies. <i>NeuroImage</i> , 2008 , 40, 1711-7 | 7.9 | 13 |
| 1809 | Neocortical reorganization in spina bifida. <i>NeuroImage</i> , 2008 , 40, 1516-22 | 7.9 | 48 |
| 1808 | Objective phonological and subjective perceptual characteristics of syllables modulate spatiotemporal patterns of superior temporal gyrus activity. <i>NeuroImage</i> , 2008 , 40, 1888-901 | 7.9 | 11 |
| 1807 | Comparing surface-based and volume-based analyses of functional neuroimaging data in patients with schizophrenia. <i>NeuroImage</i> , 2008 , 41, 835-48 | 7.9 | 87 |
| 1806 | Thinner prefrontal cortex in veterans with posttraumatic stress disorder. <i>NeuroImage</i> , 2008 , 41, 675-81 | 7.9 | 118 |
| 1805 | Touch, sound and vision in human superior temporal sulcus. <i>NeuroImage</i> , 2008 , 41, 1011-20 | 7.9 | 155 |
| 1804 | Detection of focal changes in human cortical thickness: spherical wavelets versus Gaussian smoothing. <i>NeuroImage</i> , 2008 , 41, 1278-92 | 7.9 | 39 |
| 1803 | Reduced cortical thickness in hippocampal subregions among cognitively normal apolipoprotein E e4 carriers. <i>NeuroImage</i> , 2008 , 41, 1177-83 | 7.9 | 170 |
| 1802 | Event-related single-shot volumetric functional magnetic resonance inverse imaging of visual processing. <i>NeuroImage</i> , 2008 , 42, 230-47 | 7.9 | 43 |
| 1801 | Multi-structure network shape analysis via normal surface momentum maps. <i>NeuroImage</i> , 2008 , 42, 1430-8 | 7.9 | 81 |
| 1800 | A non-invasive method to relate the timing of neural activity to white matter microstructural integrity. <i>NeuroImage</i> , 2008 , 42, 710-6 | 7.9 | 36 |
| 1799 | Neural correlates of novelty and face-age effects in young and elderly adults. <i>NeuroImage</i> , 2008 , 42, 956-68 | 7.9 | 80 |

| | | | |
|------|---|-----|-----|
| 1798 | Quantification of the benefit from integrating MEG and EEG data in minimum l2-norm estimation. <i>NeuroImage</i> , 2008 , 42, 1069-77 | 7.9 | 133 |
| 1797 | The relationship between diffusion tensor imaging and volumetry as measures of white matter properties. <i>NeuroImage</i> , 2008 , 42, 1654-68 | 7.9 | 127 |
| 1796 | Linear constraint minimum variance beamformer functional magnetic resonance inverse imaging. <i>NeuroImage</i> , 2008 , 43, 297-311 | 7.9 | 32 |
| 1795 | Lexical influences on speech perception: a Granger causality analysis of MEG and EEG source estimates. <i>NeuroImage</i> , 2008 , 43, 614-23 | 7.9 | 136 |
| 1794 | Evidence for abnormalities of cortical development in adolescent-onset schizophrenia. <i>NeuroImage</i> , 2008 , 43, 665-75 | 7.9 | 117 |
| 1793 | Magnetic sources of the M50 response are localized to frontal cortex. 2008 , 119, 388-98 | | 35 |
| 1792 | Brain atrophy assessment in multiple sclerosis: importance and limitations. 2008 , 18, 675-86, xi | | 57 |
| 1791 | Brain surface conformal parameterization with the slit mapping. 2008 , | | 1 |
| 1790 | Neural consequences of religious belief on self-referential processing. 2008 , 3, 1-15 | | 130 |
| 1789 | fMRI mapping of a morphed continuum of 3D shapes within inferior temporal cortex. 2008 , 105, 3605-9 | | 21 |
| 1788 | Enhanced cortical activation in the contralesional hemisphere of chronic stroke patients in response to motor skill challenge. 2008 , 18, 638-47 | | 89 |
| 1787 | Cortical folding patterns and predicting cytoarchitecture. 2008 , 18, 1973-80 | | 553 |
| 1786 | Rapid interactions between the ventral visual stream and emotion-related structures rely on a two-pathway architecture. 2008 , 28, 2793-803 | | 112 |
| 1785 | MRI measures of temporoparietal regions show differential rates of atrophy during prodromal AD. 2008 , 71, 819-25 | | 73 |
| 1784 | Neural substrates of sound-touch synesthesia after a thalamic lesion. 2008 , 28, 13696-702 | | 57 |
| 1783 | Reduced error-related activation in two anterior cingulate circuits is related to impaired performance in schizophrenia. 2008 , 131, 971-86 | | 110 |
| 1782 | Response monitoring, repetitive behaviour and anterior cingulate abnormalities in autism spectrum disorders (ASD). 2008 , 131, 2464-78 | | 263 |
| 1781 | Preliminary evidence for sensitive periods in the effect of childhood sexual abuse on regional brain development. 2008 , 20, 292-301 | | 476 |

| | | |
|------|--|------|
| 1780 | Mapping the primary motor cortex in healthy subjects and patients with peri-rolandic brain lesions before neurosurgery. 2008 , 30, 968-73 | 8 |
| 1779 | Diffuse changes in cortical thickness in pediatric moderate-to-severe traumatic brain injury. 2008 , 25, 1343-5 | 79 |
| 1778 | Simple dual tasking recruits prefrontal cortices in chronic severe traumatic brain injury patients, but not in controls. 2008 , 25, 1057-70 | 27 |
| 1777 | Evaluation of Five Algorithms for Mapping Brain Cortical Surfaces. 2008 , | 6 |
| 1776 | Spatiotemporal mapping the neural correlates of acupuncture with MEG. 2008 , 14, 679-88 | 10 |
| 1775 | Perception of emotional expressions is independent of face selectivity in monkey inferior temporal cortex. 2008 , 105, 5591-6 | 88 |
| 1774 | Scenes unseen: the parahippocampal cortex intrinsically subserves contextual associations, not scenes or places per se. 2008 , 28, 8539-44 | 184 |
| 1773 | Retinotopy and attention in human occipital, temporal, parietal, and frontal cortex. 2008 , 18, 2158-68 | 151 |
| 1772 | Complex organization of human primary motor cortex: a high-resolution fMRI study. 2008 , 100, 1800-12 | 196 |
| 1771 | Mapping the structural core of human cerebral cortex. 2008 , 6, e159 | 2853 |
| 1770 | A stable topography of selectivity for unfamiliar shape classes in monkey inferior temporal cortex. 2008 , 18, 1676-94 | 63 |
| 1769 | Morphometric changes in the episodic memory network and tau pathologic features correlate with memory performance in patients with mild cognitive impairment. 2008 , 29, 1183-9 | 44 |
| 1768 | Early visual brain areas reflect the percept of an ambiguous scene. 2008 , 105, 20500-4 | 70 |
| 1767 | A genetic model for understanding higher order visual processing: functional interactions of the ventral visual stream in Williams syndrome. 2008 , 18, 2402-9 | 34 |
| 1766 | The cortical underpinnings of context-based memory distortion. 2008 , 20, 2226-37 | 42 |
| 1765 | Cortical correspondence using entropy-based particle systems and local features. 2008 , | 17 |
| 1764 | A neuroimaging study of premotor lateralization and cerebellar involvement in the production of phonemes and syllables. 2008 , 51, 1183-202 | 116 |
| 1763 | Brain-derived neurotrophic factor polymorphisms and frontal cortex morphology in schizophrenia. 2008 , 18, 177-83 | 25 |

| | | |
|------|--|-----|
| 1762 | fMRI measurements of color in macaque and human. 2008 , 8, 6.1-19 | 55 |
| 1761 | . 2009 , | 9 |
| 1760 | Object representations in the temporal cortex of monkeys and humans as revealed by functional magnetic resonance imaging. 2009 , 101, 688-700 | 139 |
| 1759 | Structural Neuroimaging in the Detection and Prognosis of Pre-Clinical and Early AD. 2009 , 21, 3-12 | 38 |
| 1758 | Visual field representation and location of visual area V1 in human visual cortex by functional MRI. 2009 , | |
| 1757 | Multi-structure whole brain registration and population average. 2009 , 2009, 5797-800 | 2 |
| 1756 | Shape analysis with conformal invariants for multiply connected domains and its application to analyzing brain morphology. 2009 , | 3 |
| 1755 | MEG and fMRI for nonlinear estimation of neural activity. 2009 , | |
| 1754 | Visualization and Processing of Tensor Fields. 2009 , | 11 |
| 1753 | A quantitative comparison of three methods for inflating cortical meshes. 2009 , | 2 |
| 1752 | Automatically learning cortical folding patterns. 2009 , | 2 |
| 1751 | One-year brain atrophy evident in healthy aging. 2009 , 29, 15223-31 | 418 |
| 1750 | Visual field map clusters in macaque extrastriate visual cortex. 2009 , 29, 7031-9 | 133 |
| 1749 | Neural priming in human frontal cortex: multiple forms of learning reduce demands on the prefrontal executive system. 2009 , 21, 1766-81 | 101 |
| 1748 | Neural dynamics of 3-D object perception assessed by combined MEG/fMRI imaging technique. 2009 , | 1 |
| 1747 | Heterogeneity in subcortical brain development: A structural magnetic resonance imaging study of brain maturation from 8 to 30 years. 2009 , 29, 11772-82 | 351 |
| 1746 | The processing of three-dimensional shape from disparity in the human brain. 2009 , 29, 727-42 | 183 |
| 1745 | Central V4 receptive fields are scaled by the V1 cortical magnification and correspond to a constant-sized sampling of the V1 surface. 2009 , 29, 5749-57 | 67 |

| | | |
|------|--|-----|
| 1744 | Neural representations of faces and body parts in macaque and human cortex: a comparative fMRI study. 2009 , 101, 2581-600 | 249 |
| 1743 | Retinotopic organization of human ventral visual cortex. 2009 , 29, 10638-52 | 240 |
| 1742 | Representation of cross-frequency spatial phase relationships in human visual cortex. 2009 , 29, 14342-51 | 37 |
| 1741 | Mini-mental state examination is sensitive to brain atrophy in Alzheimer's disease. 2009 , 28, 252-8 | 31 |
| 1740 | Patterns of cortical thickness according to APOE genotype in Alzheimer's disease. 2009 , 28, 476-85 | 26 |
| 1739 | Aberrant frontoparietal function during recognition memory in schizophrenia: a multimodal neuroimaging investigation. 2009 , 29, 11347-59 | 16 |
| 1738 | Prefrontal plasticity and stress inoculation-induced resilience. 2009 , 31, 293-9 | 60 |
| 1737 | Regionally specific cortical thinning in children with sickle cell disease. 2009 , 19, 1549-56 | 32 |
| 1736 | Temporoparietal MR imaging measures of atrophy in subjects with mild cognitive impairment that predict subsequent diagnosis of Alzheimer disease. 2009 , 30, 532-8 | 68 |
| 1735 | Alterations in cortical thickness and white matter integrity in mild cognitive impairment measured by whole-brain cortical thickness mapping and diffusion tensor imaging. 2009 , 30, 893-9 | 115 |
| 1734 | Automated MRI measures identify individuals with mild cognitive impairment and Alzheimer's disease. 2009 , 132, 2048-57 | 289 |
| 1733 | Alzheimer disease: quantitative structural neuroimaging for detection and prediction of clinical and structural changes in mild cognitive impairment. 2009 , 251, 195-205 | 252 |
| 1732 | Topographic localization of brain activation in diffuse optical imaging using spherical wavelets. 2009 , 54, 6383-413 | 25 |
| 1731 | Conflict monitoring in early frontotemporal dementia. 2009 , 73, 349-55 | 35 |
| 1730 | Baseline MRI predictors of conversion from MCI to probable AD in the ADNI cohort. 2009 , 6, 347-61 | 408 |
| 1729 | Distinct genetic influences on cortical surface area and cortical thickness. 2009 , 19, 2728-35 | 862 |
| 1728 | Cutting your nerve changes your brain. 2009 , 132, 3122-33 | 100 |
| 1727 | Brain atrophy in primary lateral sclerosis. 2009 , 72, 1236-41 | 28 |

| | | |
|------|---|-----|
| 1726 | Widespread reductions of cortical thickness in schizophrenia and spectrum disorders and evidence of heritability. 2009 , 66, 467-77 | 209 |
| 1725 | Subregional neuroanatomical change as a biomarker for Alzheimer's disease. 2009 , 106, 20954-9 | 173 |
| 1724 | Imaging studies in congenital anophthalmia reveal preservation of brain architecture in 'visual' cortex. 2009 , 132, 3467-80 | 105 |
| 1723 | The cortical signature of Alzheimer's disease: regionally specific cortical thinning relates to symptom severity in very mild to mild AD dementia and is detectable in asymptomatic amyloid-positive individuals. 2009 , 19, 497-510 | 669 |
| 1722 | The cortical signature of prodromal AD: regional thinning predicts mild AD dementia. 2009 , 72, 1048-55 | 213 |
| 1721 | High consistency of regional cortical thinning in aging across multiple samples. 2009 , 19, 2001-12 | 475 |
| 1720 | Regional rates of neocortical atrophy from normal aging to early Alzheimer disease. 2009 , 73, 457-65 | 232 |
| 1719 | Reorganization of visual processing in macular degeneration is not specific to the "preferred retinal locus". 2009 , 29, 2768-73 | 88 |
| 1718 | Minute effects of sex on the aging brain: a multisample magnetic resonance imaging study of healthy aging and Alzheimer's disease. 2009 , 29, 8774-83 | 92 |
| 1717 | Multiple parietal reach regions in humans: cortical representations for visual and proprioceptive feedback during on-line reaching. 2009 , 29, 2961-71 | 193 |
| 1716 | Body expressions of emotion do not trigger fear contagion in autism spectrum disorder. 2009 , 4, 70-8 | 58 |
| 1715 | Hippocampal volume and declarative memory function in combat-related PTSD. 2009 , 15, 830-9 | 28 |
| 1714 | Task-dependent organization of brain regions active during rest. 2009 , 106, 10841-6 | 149 |
| 1713 | Smaller global and regional cortical volume in combat-related posttraumatic stress disorder. 2009 , 66, 1373-82 | 76 |
| 1712 | Task-free presurgical mapping using functional magnetic resonance imaging intrinsic activity. 2009 , 111, 746-54 | 103 |
| 1711 | Cerebral cortical thickness and a history of obstetric complications in schizophrenia. 2009 , 43, 1287-93 | 24 |
| 1710 | Combined volumetric and surface registration. 2009 , 28, 508-22 | 110 |
| 1709 | Neuroimaging of Language: Why Hasn't a Clearer Picture Emerged?. 2009 , 3, 839-865 | 59 |

| | | |
|------|---|-----|
| 1708 | Gestures orchestrate brain networks for language understanding. 2009 , 19, 661-7 | 94 |
| 1707 | Prefrontal organization of cognitive control according to levels of abstraction. 2009 , 1286, 94-105 | 161 |
| 1706 | Advancing fetal brain MRI: targets for the future. 2009 , 33, 289-98 | 36 |
| 1705 | Abnormal cerebral cortex structure in children with ADHD. 2009 , 30, 175-84 | 122 |
| 1704 | Automatic fMRI-guided MEG multidipole localization for visual responses. 2009 , 30, 1087-99 | 20 |
| 1703 | Mapping the signal-to-noise-ratios of cortical sources in magnetoencephalography and electroencephalography. 2009 , 30, 1077-86 | 168 |
| 1702 | Source estimates for MEG/EEG visual evoked responses constrained by multiple, retinotopically-mapped stimulus locations. 2009 , 30, 1290-309 | 47 |
| 1701 | Evaluation of automated brain MR image segmentation and volumetry methods. 2009 , 30, 1310-27 | 158 |
| 1700 | Patterns of structural complexity in Alzheimer's disease and frontotemporal dementia. 2009 , 30, 1667-77 | 8 |
| 1699 | Functional decoupling of BOLD and gamma-band amplitudes in human primary visual cortex. 2009 , 30, 2000-7 | 50 |
| 1698 | Structural MRI biomarkers for preclinical and mild Alzheimer's disease. 2009 , 30, 3238-53 | 172 |
| 1697 | Dynamic Granger-Geweke causality modeling with application to interictal spike propagation. 2009 , 30, 1877-86 | 36 |
| 1696 | Co-speech gestures influence neural activity in brain regions associated with processing semantic information. 2009 , 30, 3509-26 | 153 |
| 1695 | Comparing MEG and fMRI views to naming actions and objects. 2009 , 30, 1845-56 | 82 |
| 1694 | Facial expressions of pain modulate observer's long-latency responses in superior temporal sulcus. 2009 , 30, 3910-23 | 7 |
| 1693 | Cancellation of EEG and MEG signals generated by extended and distributed sources. 2010 , 31, 140-9 | 91 |
| 1692 | Dissecting structure-function interactions in acute optic neuritis to investigate neuroplasticity. 2010 , 31, 276-86 | 24 |
| 1691 | Neuroanatomy of creativity. 2010 , 31, 398-409 | 197 |

| | | |
|------|--|-----|
| 1690 | The Iowa Gambling Task in fMRI images. 2010 , 31, 410-23 | 203 |
| 1689 | Primary and multisensory cortical activity is correlated with audiovisual percepts. 2010 , 31, 526-38 | 56 |
| 1688 | Parametric surface modeling and registration for comparison of manual and automated segmentation of the hippocampus. 2009 , 19, 588-95 | 25 |
| 1687 | Imaging the relationship between structure, function and behaviour in the human brain. 2009 , 213, 499-500 | 7 |
| 1686 | A fast, model-independent method for cerebral cortical thickness estimation using MRI. 2009 , 13, 269-85 | 28 |
| 1685 | 3D Topology Preserving Flows for Viewpoint-Based Cortical Unfolding. 2009 , 85, 223-236 | |
| 1684 | Characterization of Atrophic Changes in the Cerebral Cortex Using Fractal Dimensional Analysis. 2009 , 3, 154-166 | 76 |
| 1683 | Hippocampal volumes are important predictors for memory function in elderly women. 2009 , 9, 17 | 69 |
| 1682 | A little more conversation, a little less action--candidate roles for the motor cortex in speech perception. 2009 , 10, 295-302 | 245 |
| 1681 | Comparative reliability of total intracranial volume estimation methods and the influence of atrophy in a longitudinal semantic dementia cohort. 2009 , 19, 37-46 | 81 |
| 1680 | The neuroanatomy of grapheme-color synesthesia. 2009 , 29, 1287-93 | 85 |
| 1679 | Spatial attention can modulate audiovisual integration at multiple cortical and subcortical sites. 2009 , 29, 1247-57 | 94 |
| 1678 | Dissociation of attention and intention in human posterior parietal cortex: an fMRI study. 2009 , 29, 2083-91 | 19 |
| 1677 | 3D surface perception from motion involves a temporal-parietal network. 2009 , 30, 703-13 | 38 |
| 1676 | Distributed source modeling of language with magnetoencephalography: application to patients with intractable epilepsy. 2009 , 50, 2256-66 | 43 |
| 1675 | New directions in clinical imaging of cortical dysplasias. 2009 , 50 Suppl 9, 9-18 | 135 |
| 1674 | Involvement of the thalamocortical network in TLE with and without mesiotemporal sclerosis. 2010 , 51, 1436-45 | 46 |
| 1673 | Alcoholism and dampened temporal limbic activation to emotional faces. 2009 , 33, 1880-92 | 106 |

| | | |
|------|--|-----|
| 1672 | Dynamic statistical parametric mapping for analyzing ictal magnetoencephalographic spikes in patients with intractable frontal lobe epilepsy. 2009 , 85, 279-86 | 37 |
| 1671 | Depth potential function for folding pattern representation, registration and analysis. 2009 , 13, 203-14 | 80 |
| 1670 | Biomechanisms for modelling cerebral cortical folding. 2009 , 13, 920-30 | 35 |
| 1669 | Atlas-based segmentation of 3D cerebral structures with competitive level sets and fuzzy control. 2009 , 13, 456-70 | 29 |
| 1668 | Essentials of Functional Neuroimaging. 2009 , | 2 |
| 1667 | Differential effects of aging and Alzheimer's disease on medial temporal lobe cortical thickness and surface area. 2009 , 30, 432-40 | 203 |
| 1666 | An MRI-based method for measuring volume, thickness and surface area of entorhinal, perirhinal, and posterior parahippocampal cortex. 2009 , 30, 420-31 | 45 |
| 1665 | Neuroanatomical correlates of cognitive phenotypes in temporal lobe epilepsy. 2009 , 15, 445-51 | 70 |
| 1664 | The relationship between symptom severity and regional cortical and grey matter volumes in schizophrenia. 2009 , 33, 482-90 | 23 |
| 1663 | Enter feelings: somatosensory responses following early stages of visual induction of emotion. 2009 , 72, 13-23 | 44 |
| 1662 | Database-managed grid-enabled analysis of neuroimaging data: the CNARI framework. 2009 , 73, 62-72 | 7 |
| 1661 | Effects of age, sex, and independent life events on amygdala and nucleus accumbens volumes in child bipolar I disorder. 2009 , 65, 432-7 | 20 |
| 1660 | Childhood sexual abuse is associated with reduced gray matter volume in visual cortex of young women. 2009 , 66, 642-8 | 120 |
| 1659 | Gyral and sulcal cortical thinning in adolescents with first episode early-onset psychosis. 2009 , 66, 1047-54 | 41 |
| 1658 | Extent of cerebellum, subcortical and cortical atrophy in patients with MS: a case-control study. 2009 , 282, 47-54 | 114 |
| 1657 | Graph wavelet applied to human brain connectivity. 2009 , | 2 |
| 1656 | Imaging Structure and Function. 2009 , 461-480 | 1 |
| 1655 | A Scale-Space of Cortical Feature Maps. 2009 , 16, 873-876 | 4 |

| | | | |
|------|--|-----|-----|
| 1654 | Detection of motor cortex thinning and corticospinal tract involvement by quantitative MRI in amyotrophic lateral sclerosis. 2009 , 10, 47-52 | | 68 |
| 1653 | A distributed spatio-temporal EEG/MEG inverse solver. <i>NeuroImage</i> , 2009 , 44, 932-46 | 7.9 | 134 |
| 1652 | Local landmark-based registration for fMRI group studies of nonprimary auditory cortex. <i>NeuroImage</i> , 2009 , 44, 145-53 | 7.9 | 13 |
| 1651 | A framework to analyze partial volume effect on gray matter mean diffusivity measurements. <i>NeuroImage</i> , 2009 , 44, 136-44 | 7.9 | 27 |
| 1650 | A new method for improving functional-to-structural MRI alignment using local Pearson correlation. <i>NeuroImage</i> , 2009 , 44, 839-48 | 7.9 | 303 |
| 1649 | Regional white matter volume differences in nondemented aging and Alzheimer's disease. <i>NeuroImage</i> , 2009 , 44, 1247-58 | 7.9 | 225 |
| 1648 | Time sequence diffeomorphic metric mapping and parallel transport track time-dependent shape changes. <i>NeuroImage</i> , 2009 , 45, S51-60 | 7.9 | 43 |
| 1647 | The emerging discipline of Computational Functional Anatomy. <i>NeuroImage</i> , 2009 , 45, S16-39 | 7.9 | 60 |
| 1646 | Discrete conformal methods for cortical brain flattening. <i>NeuroImage</i> , 2009 , 45, S86-98 | 7.9 | 48 |
| 1645 | Multimodal imaging in mild cognitive impairment: Metabolism, morphometry and diffusion of the temporal-parietal memory network. <i>NeuroImage</i> , 2009 , 45, 215-23 | 7.9 | 76 |
| 1644 | Motion sensitivity of human V6: a magnetoencephalography study. <i>NeuroImage</i> , 2009 , 45, 1253-63 | 7.9 | 17 |
| 1643 | Widespread neocortical abnormalities in temporal lobe epilepsy with and without mesial sclerosis. <i>NeuroImage</i> , 2009 , 46, 353-9 | 7.9 | 107 |
| 1642 | Study of neurovascular coupling in humans via simultaneous magnetoencephalography and diffuse optical imaging acquisition. <i>NeuroImage</i> , 2009 , 46, 624-32 | 7.9 | 42 |
| 1641 | Advances in high-resolution imaging and computational unfolding of the human hippocampus. <i>NeuroImage</i> , 2009 , 47, 42-9 | 7.9 | 82 |
| 1640 | Mapping the bilateral visual integration by EEG and fMRI. <i>NeuroImage</i> , 2009 , 46, 989-97 | 7.9 | 30 |
| 1639 | Locating the functional and anatomical boundaries of human primary visual cortex. <i>NeuroImage</i> , 2009 , 46, 915-22 | 7.9 | 83 |
| 1638 | Automatic cortical sulcal parcellation based on surface principal direction flow field tracking. <i>NeuroImage</i> , 2009 , 46, 923-37 | 7.9 | 56 |
| 1637 | Local and covariate-modulated false discovery rates applied in neuroimaging. <i>NeuroImage</i> , 2009 , 47, 213-9 | 7.9 | 4 |

| | | | |
|------|--|-----|-----|
| 1636 | Morphological alterations in the congenital blind based on the analysis of cortical thickness and surface area. <i>NeuroImage</i> , 2009 , 47, 98-106 | 7.9 | 165 |
| 1635 | Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , 2009 , 47, 8-17 | 7.9 | 78 |
| 1634 | Increased sensitivity to effects of normal aging and Alzheimer's disease on cortical thickness by adjustment for local variability in gray/white contrast: a multi-sample MRI study. <i>NeuroImage</i> , 2009 , 47, 1545-57 | 7.9 | 83 |
| 1633 | Improvement of brain segmentation accuracy by optimizing non-uniformity correction using N3. <i>NeuroImage</i> , 2009 , 48, 73-83 | 7.9 | 70 |
| 1632 | Age-associated alterations in cortical gray and white matter signal intensity and gray to white matter contrast. <i>NeuroImage</i> , 2009 , 48, 21-8 | 7.9 | 197 |
| 1631 | Hierarchical coding of characters in the ventral and dorsal visual streams of Chinese language processing. <i>NeuroImage</i> , 2009 , 48, 423-35 | 7.9 | 22 |
| 1630 | Localization of the syntactic mismatch negativity in the temporal cortex: an MEG study. <i>NeuroImage</i> , 2009 , 48, 590-600 | 7.9 | 54 |
| 1629 | Exact geodesics and shortest paths on polyhedral surfaces. 2009 , 31, 1006-16 | | 22 |
| 1628 | Brain imaging of multiple sclerosis: the next 10 years. 2009 , 19, 101-12 | | 7 |
| 1627 | Functional imaging of human auditory cortex. 2009 , 17, 407-11 | | 35 |
| 1626 | Hemispheric differences in amygdala contributions to response monitoring. 2009 , 20, 398-402 | | 21 |
| 1625 | Decreased gyrification in major depressive disorder. 2009 , 20, 378-80 | | 44 |
| 1624 | Imaging informatics for personalised medicine: applications and challenges. 2009 , 2, 125-135 | | 3 |
| 1623 | The neural basis of perceiving emotional bodily expressions in monkeys. 2009 , 20, 642-6 | | 17 |
| 1622 | Retinotopically defined primary visual cortex in Williams syndrome. 2009 , 132, 635-44 | | 10 |
| 1621 | Brain structural abnormalities and mental health sequelae in South Vietnamese ex-political detainees who survived traumatic head injury and torture. 2009 , 66, 1221-32 | | 60 |
| 1620 | In vivo imaging of autologous islet grafts in the liver and under the kidney capsule in non-human primates. 2009 , 87, 1659-66 | | 46 |
| 1619 | Multimodal surface-based morphometry reveals diffuse cortical atrophy in traumatic brain injury. 2009 , 9, 20 | | 33 |

| | | |
|------|--|-----|
| 1618 | Mapping gray matter volume and cortical thickness in Alzheimer's disease. 2010, | |
| 1617 | Genetic variation and neuroimaging measures in Alzheimer disease. 2010, 67, 677-85 | 180 |
| 1616 | General associative learning shapes the plasticity of the visual word form area. 2010, 21, 333-7 | 5 |
| 1615 | Neuroanatomical characteristics and speech perception in noise in older adults. 2010, 31, 471-9 | 121 |
| 1614 | Regionally selective atrophy after traumatic axonal injury. 2010, 67, 1336-44 | 100 |
| 1613 | Structural abnormalities in gyri of the prefrontal cortex in individuals with schizophrenia and their unaffected siblings. 2010, 196, 150-7 | 59 |
| 1612 | Mechanisms of cross-modal plasticity in early-blind subjects. 2010, 104, 2995-3008 | 41 |
| 1611 | In-vivo measurement of cortical morphology: means and meanings. 2010, 23, 359-67 | 101 |
| 1610 | Structural differences in adult orbital and ventromedial prefrontal cortex predicted by infant temperament at 4 months of age. 2010, 67, 78-84 | 62 |
| 1609 | Reduced cortical folding in mental retardation. 2010, 31, 1063-7 | 35 |
| 1608 | Differential human brain activation by vertical and horizontal global visual textures. 2010, 202, 669-79 | 12 |
| 1607 | Computational analysis of cerebral cortex. 2010, 52, 691-8 | 29 |
| 1606 | Sporadic corticobasal syndrome due to FTLN-TDP. 2010, 119, 365-74 | 46 |
| 1605 | Psychopathological correlates of the entorhinal cortical shape in schizophrenia. 2010, 260, 351-8 | 17 |
| 1604 | Comparison of manual and automated determination of hippocampal volumes in MCI and early AD. 2010, 4, 86-95 | 69 |
| 1603 | Sensitivity of MEG and EEG to source orientation. 2010, 23, 227-32 | 155 |
| 1602 | Understanding brain injury and neurodevelopmental disabilities in the preterm infant: the evolving role of advanced magnetic resonance imaging. 2010, 34, 57-66 | 80 |
| 1601 | Spherical demons: fast diffeomorphic landmark-free surface registration. 2010, 29, 650-68 | 252 |

| | | |
|------|--|-----|
| 1600 | Building 3-D statistical shape models by direct optimization. 2010 , 29, 961-81 | 79 |
| 1599 | Reduced right frontal cortical thickness in children, adolescents and adults with ADHD and its correlation to clinical variables: a cross-sectional study. 2010 , 44, 1214-23 | 105 |
| 1598 | Cerebral cortex structure in prodromal Huntington disease. 2010 , 40, 544-54 | 115 |
| 1597 | Neuroimaging of the functional and structural networks underlying visuospatial vs. linguistic reasoning in high-functioning autism. 2010 , 48, 86-95 | 138 |
| 1596 | Brain substrates of learning and retention in mild cognitive impairment diagnosis and progression to Alzheimer's disease. 2010 , 48, 1237-47 | 55 |
| 1595 | Neuroanatomical correlates of executive functions in children and adolescents: a magnetic resonance imaging (MRI) study of cortical thickness. 2010 , 48, 2496-508 | 111 |
| 1594 | Investigating relationships between cortical thickness and cognitive performance in patients with schizophrenia and healthy adults. 2010 , 182, 123-33 | 69 |
| 1593 | Complex pattern of cortical thinning in schizophrenia: results from an automated surface based analysis of cortical thickness. 2010 , 182, 134-40 | 44 |
| 1592 | Preserved subcortical volumes and cortical thickness in women with sexual abuse-related PTSD. 2010 , 183, 181-6 | 50 |
| 1591 | Evaluation of a magnetic resonance-compatible dentoalveolar tactile stimulus device. 2010 , 11, 142 | 5 |
| 1590 | Human parietal cortex structure predicts individual differences in perceptual rivalry. 2010 , 20, 1626-30 | 168 |
| 1589 | Neural development of networks for audiovisual speech comprehension. 2010 , 114, 101-14 | 101 |
| 1588 | Language laterality in autism spectrum disorder and typical controls: a functional, volumetric, and diffusion tensor MRI study. 2010 , 112, 113-20 | 114 |
| 1587 | Bilateral brain regions associated with naming in older adults. 2010 , 113, 113-23 | 53 |
| 1586 | Short-term language experience shapes the plasticity of the visual word form area. 2010 , 1316, 83-91 | 24 |
| 1585 | Intrinsic interhemispheric hippocampal functional connectivity predicts individual differences in memory performance ability. 2010 , 20, 345-51 | 70 |
| 1584 | Computer-based morphometry of brain. 2010 , 20, 117-125 | 1 |
| 1583 | Anxiety sensitivity correlates with two indices of right anterior insula structure in specific animal phobia. 2010 , 27, 1104-10 | 33 |

| | | |
|------|--|-----|
| 1582 | Neuroplasticity predicts outcome of optic neuritis independent of tissue damage. 2010 , 67, 99-113 | 64 |
| 1581 | A computational model of cerebral cortex folding. 2010 , 264, 467-78 | 48 |
| 1580 | Topology-corrected segmentation and local intensity estimates for improved partial volume classification of brain cortex in MRI. 2010 , 188, 305-15 | 24 |
| 1579 | Hierarchical vibrations for part-based recognition of complex objects. 2010 , 43, 2681-2691 | 9 |
| 1578 | Generalized spike-wave discharges involve a default mode network in patients with juvenile absence epilepsy: a MEG study. 2010 , 89, 176-84 | 39 |
| 1577 | Amphetamine dependence and co-morbid alcohol abuse: associations to brain cortical thickness. 2010 , 10, 5 | 25 |
| 1576 | Prefrontal morphology, 5-HTTLPR polymorphism and biased attention for emotional stimuli. 2010 , 9, 224-33 | 32 |
| 1575 | Cortical thickness reduction of normal appearing cortex in patients with polymicrogyria. 2010 , 20, 46-52 | 11 |
| 1574 | Visualization of image data from cells to organisms. 2010 , 7, S26-41 | 189 |
| 1573 | TMS of posterior parietal cortex disrupts visual tactile multisensory integration. 2010 , 31, 1783-90 | 64 |
| 1572 | Functional dissociation of transient and sustained fMRI BOLD components in human auditory cortex revealed with a streaming paradigm based on interaural time differences. 2010 , 32, 1970-8 | 15 |
| 1571 | Imaging the preterm brain. 39-53 | |
| 1570 | Group Analysis for Functional Optical Brain Imaging using a Random Effects Model. 2010 , | |
| 1569 | Neuroplasticity associated with tactile language communication in a deaf-blind subject. 2010 , 3, 60 | 10 |
| 1568 | Regional brain morphometry predicts memory rehabilitation outcome after traumatic brain injury. 2010 , 4, 182 | 47 |
| 1567 | MEG and fMRI Fusion for Non-Linear Estimation of Neural and BOLD Signal Changes. 2010 , 4, 114 | 19 |
| 1566 | Neural substrates of reliability-weighted visual-tactile multisensory integration. 2010 , 4, 25 | 36 |
| 1565 | Functional properties of human auditory cortical fields. 2010 , 4, 155 | 76 |

| | | |
|------|---|-----|
| 1564 | Greater Pre-Stimulus Effective Connectivity from the Left Inferior Frontal Area to other Areas is Associated with Better Phonological Decoding in Dyslexic Readers. 2010 , 4, 156 | 17 |
| 1563 | Robotic Vision with the Conformal Camera: Modeling Perisaccadic Perception. 2010 , 2010, 1-16 | 4 |
| 1562 | Cortical thickness and subcortical gray matter reductions in neuropsychiatric systemic lupus erythematosus. 2010 , 5, e9302 | 40 |
| 1561 | Knowing with which eye we see: utricular discrimination and eye-specific signals in human visual cortex. 2010 , 5, e13775 | 23 |
| 1560 | Mapping informative clusters in a hierarchical [corrected] framework of fMRI multivariate analysis. 2010 , 5, e15065 | 2 |
| 1559 | The functional anatomy of a perceptual decision in the human brain. 2010 , 103, 1179-94 | 92 |
| 1558 | BOLD responses in human auditory cortex are more closely related to transient MEG responses than to sustained ones. 2010 , 103, 2015-26 | 22 |
| 1557 | Mechanisms of spatial attention control in frontal and parietal cortex. 2010 , 30, 148-60 | 231 |
| 1556 | Level of executive function influences verbal memory in amnesic mild cognitive impairment and predicts prefrontal and posterior cingulate thickness. 2010 , 20, 1305-13 | 95 |
| 1555 | fMRI-Guided transcranial magnetic stimulation reveals that the superior temporal sulcus is a cortical locus of the McGurk effect. 2010 , 30, 2414-7 | 178 |
| 1554 | The number of attentional foci and their precision are dissociated in the posterior parietal cortex. 2010 , 20, 1341-9 | 20 |
| 1553 | Describing the brain in autism in five dimensions--magnetic resonance imaging-assisted diagnosis of autism spectrum disorder using a multiparameter classification approach. 2010 , 30, 10612-23 | 303 |
| 1552 | Competition in visual cortex impedes attention to multiple items. 2010 , 30, 161-9 | 47 |
| 1551 | Neuroimaging enrichment strategy for secondary prevention trials in Alzheimer disease. 2010 , 24, 269-77 | 38 |
| 1550 | Activity associated with stream segregation in human auditory cortex is similar for spatial and pitch cues. 2010 , 20, 2863-73 | 50 |
| 1549 | CSF biomarkers in prediction of cerebral and clinical change in mild cognitive impairment and Alzheimer's disease. 2010 , 30, 2088-101 | 164 |
| 1548 | The retinotopic organization of the human middle temporal area MT/V5 and its cortical neighbors. 2010 , 30, 9801-20 | 239 |
| 1547 | Preterm birth and maternal responsiveness during childhood are associated with brain morphology in adolescence. 2010 , 16, 784-94 | 27 |

| | | |
|------|--|-----|
| 1546 | Everyday memory: self-perception and structural brain correlates in a healthy elderly population. 2010 , 16, 1115-26 | 10 |
| 1545 | Profiles of precentral and postcentral cortical mean thicknesses in individual subjects over acute and subacute time-scales. 2010 , 20, 1513-22 | 12 |
| 1544 | 3D shape context surface registration for cortical mapping. 2010 , | 4 |
| 1543 | Assessing spatial relationships between axonal integrity, regional brain volumes, and neuropsychological outcomes after traumatic axonal injury. 2010 , 27, 2121-30 | 90 |
| 1542 | Combining MR imaging, positron-emission tomography, and CSF biomarkers in the diagnosis and prognosis of Alzheimer disease. 2010 , 31, 347-54 | 224 |
| 1541 | Imágenes NeuroOftalmológicas. 2010 , 21, 997-1002 | |
| 1540 | Quantitative structural MRI for early detection of Alzheimer's disease. 2010 , 10, 1675-88 | 45 |
| 1539 | Update on neuroimaging in epilepsy. 2010 , 10, 961-73 | 11 |
| 1538 | Human v6: the medial motion area. 2010 , 20, 411-24 | 146 |
| 1537 | Epidural cortical stimulation as adjunctive treatment for non-fluent aphasia: preliminary findings. 2010 , 81, 1014-21 | 33 |
| 1536 | fMRI retinotopic mapping at 3 T: benefits gained from correcting the spatial distortions due to static field inhomogeneity. 2010 , 10, 30 | 6 |
| 1535 | Geodesic Active Fields on the Sphere. 2010 , | 1 |
| 1534 | The role of top-down task context in learning to perceive objects. 2010 , 30, 9869-76 | 38 |
| 1533 | Hemispheric asymmetry in visuotopic posterior parietal cortex emerges with visual short-term memory load. 2010 , 30, 12581-8 | 89 |
| 1532 | Domain general change detection accounts for "dishabituation" effects in temporal-parietal regions in functional magnetic resonance imaging studies of speech perception. 2010 , 30, 1110-7 | 34 |
| 1531 | A surface-based analysis of hemispheric asymmetries and folding of cerebral cortex in term-born human infants. 2010 , 30, 2268-76 | 228 |
| 1530 | Steal physiology is spatially associated with cortical thinning. 2010 , 81, 290-3 | 81 |
| 1529 | Sex-dependent association of common variants of microcephaly genes with brain structure. 2010 , 107, 384-8 | 111 |

| | | |
|------|--|-----|
| 1528 | Basal ganglia and frontal/parietal cortical atrophy is associated with fatigue in relapsing-remitting multiple sclerosis. 2010 , 16, 1220-8 | 154 |
| 1527 | Task effects on BOLD signal correlates of implicit syntactic processing. 2010 , 25, 866-901 | 13 |
| 1526 | Function-based intersubject alignment of human cortical anatomy. 2010 , 20, 130-40 | 122 |
| 1525 | Widespread cortical thinning characterizes patients with MS with mild cognitive impairment. 2010 , 74, 321-8 | 118 |
| 1524 | Combining tractography and cortical measures to test system-specific hypotheses in multiple sclerosis. 2010 , 16, 555-65 | 27 |
| 1523 | Distinct structural changes underpin clinical phenotypes in patients with Gilles de la Tourette syndrome. 2010 , 133, 3649-60 | 131 |
| 1522 | Multispectral brain morphometry in Tourette syndrome persisting into adulthood. 2010 , 133, 3661-75 | 113 |
| 1521 | Impaired consciousness in temporal lobe seizures: role of cortical slow activity. 2010 , 133, 3764-77 | 140 |
| 1520 | Age-related temporal and parietal cortical thinning in autism spectrum disorders. 2010 , 133, 3745-54 | 192 |
| 1519 | Human anterior intraparietal and ventral premotor cortices support representations of grasping with the hand or a novel tool. 2010 , 22, 2594-608 | 69 |
| 1518 | Defining the units of competition: influences of perceptual organization on competitive interactions in human visual cortex. 2010 , 22, 2417-26 | 28 |
| 1517 | Longitudinal magnetic resonance imaging study of cortical development through early childhood in autism. 2010 , 30, 4419-27 | 409 |
| 1516 | Cortical thickness is influenced by regionally specific genetic factors. 2010 , 67, 493-9 | 109 |
| 1515 | Changes in the frontotemporal cortex and cognitive correlates in first-episode psychosis. 2010 , 68, 51-60 | 61 |
| 1514 | Cortical thickness and subcortical volumes in schizophrenia and bipolar disorder. 2010 , 68, 41-50 | 332 |
| 1513 | Reduced cortical thickness in first episode schizophrenia. 2010 , 116, 204-9 | 135 |
| 1512 | Subcortical alignment precision in patients with schizophrenia. 2010 , 120, 76-83 | 4 |
| 1511 | Gray matter volume reduction in rostral middle frontal gyrus in patients with chronic schizophrenia. 2010 , 123, 153-9 | 71 |

| | | | |
|------|---|-----|-----|
| 1510 | Increased parahippocampal and lingual gyrification in first-episode schizophrenia. 2010 , 123, 137-44 | | 54 |
| 1509 | Improved tractography alignment using combined volumetric and surface registration. <i>NeuroImage</i> , 2010 , 51, 206-13 | 7.9 | 49 |
| 1508 | Near-isometric flattening of brain surfaces. <i>NeuroImage</i> , 2010 , 51, 694-703 | 7.9 | 10 |
| 1507 | Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. <i>NeuroImage</i> , 2010 , 53, 1093-102 | 7.9 | 72 |
| 1506 | Increased functional brain response during word retrieval in cognitively intact older adults at genetic risk for Alzheimer's disease. <i>NeuroImage</i> , 2010 , 51, 1222-33 | 7.9 | 27 |
| 1505 | Phonetically irregular word pronunciation and cortical thickness in the adult brain. <i>NeuroImage</i> , 2010 , 51, 1453-8 | 7.9 | 25 |
| 1504 | Differentiating maturational and aging-related changes of the cerebral cortex by use of thickness and signal intensity. <i>NeuroImage</i> , 2010 , 52, 172-85 | 7.9 | 124 |
| 1503 | Determining the optimal level of smoothing in cortical thickness analysis: a hierarchical approach based on sequential statistical thresholding. <i>NeuroImage</i> , 2010 , 52, 158-71 | 7.9 | 37 |
| 1502 | Quantitative evaluation of LDDMM, FreeSurfer, and CARET for cortical surface mapping. <i>NeuroImage</i> , 2010 , 52, 131-41 | 7.9 | 47 |
| 1501 | Reduced cognitive control of response inhibition by the anterior cingulate cortex in autism spectrum disorders. <i>NeuroImage</i> , 2010 , 52, 336-47 | 7.9 | 151 |
| 1500 | Gyral folding pattern analysis via surface profiling. <i>NeuroImage</i> , 2010 , 52, 1202-14 | 7.9 | 48 |
| 1499 | Current dipole orientation and distribution of epileptiform activity correlates with cortical thinning in left mesiotemporal epilepsy. <i>NeuroImage</i> , 2010 , 52, 1238-42 | 7.9 | 9 |
| 1498 | Auditory evoked fields to vocalization during passive listening and active generation in adults who stutter. <i>NeuroImage</i> , 2010 , 52, 1645-53 | 7.9 | 56 |
| 1497 | Laminar analysis of 7T BOLD using an imposed spatial activation pattern in human V1. <i>NeuroImage</i> , 2010 , 52, 1334-46 | 7.9 | 286 |
| 1496 | Selective aberrant functional connectivity of resting state networks in social anxiety disorder. <i>NeuroImage</i> , 2010 , 52, 1549-58 | 7.9 | 235 |
| 1495 | Spatially sparse source cluster modeling by compressive neuromagnetic tomography. <i>NeuroImage</i> , 2010 , 53, 146-60 | 7.9 | 33 |
| 1494 | Effects of memory training on cortical thickness in the elderly. <i>NeuroImage</i> , 2010 , 52, 1667-76 | 7.9 | 260 |
| 1493 | Evaluating the validity of volume-based and surface-based brain image registration for developmental cognitive neuroscience studies in children 4 to 11 years of age. <i>NeuroImage</i> , 2010 , 53, 85-93 | 7.9 | 198 |

| | | | |
|------|--|-----|------|
| 1492 | Magnetoencephalography reveals early activation of V4 in grapheme-color synesthesia. <i>NeuroImage</i> , 2010 , 53, 268-74 | 7.9 | 87 |
| 1491 | Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. <i>NeuroImage</i> , 2010 , 53, 1-15 | 7.9 | 1441 |
| 1490 | Head size, age and gender adjustment in MRI studies: a necessary nuisance?. <i>NeuroImage</i> , 2010 , 53, 1244-55 | 7.9 | 313 |
| 1489 | Fractal dimension analysis of the cortical ribbon in mild Alzheimer's disease. <i>NeuroImage</i> , 2010 , 53, 471-9 | 7.9 | 112 |
| 1488 | Multimodal imaging of repetition priming: Using fMRI, MEG, and intracranial EEG to reveal spatiotemporal profiles of word processing. <i>NeuroImage</i> , 2010 , 53, 707-17 | 7.9 | 70 |
| 1487 | Highly accurate inverse consistent registration: a robust approach. <i>NeuroImage</i> , 2010 , 53, 1181-96 | 7.9 | 782 |
| 1486 | Brain maturation in adolescence and young adulthood: regional age-related changes in cortical thickness and white matter volume and microstructure. 2010 , 20, 534-48 | | 544 |
| 1485 | Life-span changes of the human brain white matter: diffusion tensor imaging (DTI) and volumetry. 2010 , 20, 2055-68 | | 533 |
| 1484 | Cortical thickness is associated with different apolipoprotein E genotypes in healthy elderly adults. 2010 , 479, 332-6 | | 32 |
| 1483 | Neuroimaging with near-infrared spectroscopy demonstrates speech-evoked activity in the auditory cortex of deaf children following cochlear implantation. 2010 , 270, 39-47 | | 63 |
| 1482 | Current themes in neuroimaging of epilepsy: brain networks, dynamic phenomena, and clinical relevance. 2010 , 121, 1153-75 | | 46 |
| 1481 | Multi-modal imaging predicts memory performance in normal aging and cognitive decline. 2010 , 31, 1107-21 | | 125 |
| 1480 | Cognition in healthy aging is related to regional white matter integrity, but not cortical thickness. 2010 , 31, 1912-26 | | 128 |
| 1479 | Analysis of regional MRI volumes and thicknesses as predictors of conversion from mild cognitive impairment to Alzheimer's disease. 2010 , 31, 1375-85 | | 84 |
| 1478 | Automated MRI measures predict progression to Alzheimer's disease. 2010 , 31, 1364-74 | | 71 |
| 1477 | Subregions of the inferior parietal lobule are affected in the progression to Alzheimer's disease. 2010 , 31, 1304-11 | | 50 |
| 1476 | Longitudinal MRI atrophy biomarkers: relationship to conversion in the ADNI cohort. 2010 , 31, 1401-18 | | 188 |
| 1475 | Frontal cortex and the discovery of abstract action rules. 2010 , 66, 315-26 | | 221 |

| | | | |
|------|---|-----|-----|
| 1474 | Met158 variant of the catechol-O-methyltransferase genotype is associated with thicker cortex in adult brain. 2010 , 167, 809-14 | | 28 |
| 1473 | Methods of MRI-based structural imaging in the aging monkey. 2010 , 50, 166-77 | | 15 |
| 1472 | Surface-based mapping of gene expression and probabilistic expression maps in the mouse cortex. 2010 , 50, 55-62 | | 16 |
| 1471 | Guest editors' introduction. 2010 , 50, 51-4 | | 2 |
| 1470 | Brain atrophy in healthy aging is related to CSF levels of A β -42. 2010 , 20, 2069-79 | | 96 |
| 1469 | Genetic and environmental influences on the size of specific brain regions in midlife: the VETSA MRI study. <i>NeuroImage</i> , 2010 , 49, 1213-23 | 7.9 | 174 |
| 1468 | Update on the magnetic resonance imaging core of the Alzheimer's disease neuroimaging initiative. 2010 , 6, 212-20 | | 244 |
| 1467 | Voxel-based morphometry and automated lobar volumetry: the trade-off between spatial scale and statistical correction. <i>NeuroImage</i> , 2010 , 49, 587-96 | 7.9 | 20 |
| 1466 | Anatomical atlas-guided diffuse optical tomography of brain activation. <i>NeuroImage</i> , 2010 , 49, 561-7 | 7.9 | 100 |
| 1465 | Automatic extraction of sulcal lines on cortical surfaces based on anisotropic geodesic distance. <i>NeuroImage</i> , 2010 , 49, 293-302 | 7.9 | 24 |
| 1464 | Multi-manifold diffeomorphic metric mapping for aligning cortical hemispheric surfaces. <i>NeuroImage</i> , 2010 , 49, 355-65 | 7.9 | 41 |
| 1463 | Comparison of landmark-based and automatic methods for cortical surface registration. <i>NeuroImage</i> , 2010 , 49, 2479-93 | 7.9 | 100 |
| 1462 | Novelty as a dimension in the affective brain. <i>NeuroImage</i> , 2010 , 49, 2871-8 | 7.9 | 144 |
| 1461 | Atrophy patterns in Alzheimer's disease and semantic dementia: a comparison of FreeSurfer and manual volumetric measurements. <i>NeuroImage</i> , 2010 , 49, 2264-74 | 7.9 | 79 |
| 1460 | Comprehension of degraded speech sounds with m-sequence modulation: an fMRI study. <i>NeuroImage</i> , 2010 , 49, 2697-706 | 7.9 | 20 |
| 1459 | Multivariate tensor-based morphometry on surfaces: application to mapping ventricular abnormalities in HIV/AIDS. <i>NeuroImage</i> , 2010 , 49, 2141-57 | 7.9 | 75 |
| 1458 | K-space reconstruction of magnetic resonance inverse imaging (K-Inv) of human visuomotor systems. <i>NeuroImage</i> , 2010 , 49, 3086-98 | 7.9 | 22 |
| 1457 | A multiple-plane approach to measure the structural properties of functionally active regions in the human cortex. <i>NeuroImage</i> , 2010 , 49, 3075-85 | 7.9 | 7 |

| | | | |
|------|--|-----|------|
| 1456 | Graph properties of synchronized cortical networks during visual working memory maintenance. <i>NeuroImage</i> , 2010 , 49, 3257-68 | 7.9 | 115 |
| 1455 | Visual gamma oscillations and evoked responses: variability, repeatability and structural MRI correlates. <i>NeuroImage</i> , 2010 , 49, 3349-57 | 7.9 | 128 |
| 1454 | Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. <i>NeuroImage</i> , 2010 , 53, 1135-46 | 7.9 | 763 |
| 1453 | Propagation of epileptic spikes reconstructed from spatiotemporal magnetoencephalographic and electroencephalographic source analysis. <i>NeuroImage</i> , 2010 , 50, 217-22 | 7.9 | 55 |
| 1452 | Predictive models of autism spectrum disorder based on brain regional cortical thickness. <i>NeuroImage</i> , 2010 , 50, 589-99 | 7.9 | 177 |
| 1451 | Model-driven parameterization of the cortical surface for localization and inter-subject matching. <i>NeuroImage</i> , 2010 , 50, 552-66 | 7.9 | 21 |
| 1450 | Whole genome association study of brain-wide imaging phenotypes for identifying quantitative trait loci in MCI and AD: A study of the ADNI cohort. <i>NeuroImage</i> , 2010 , 53, 1051-63 | 7.9 | 266 |
| 1449 | Surface area accounts for the relation of gray matter volume to reading-related skills and history of dyslexia. 2010 , 20, 2625-35 | | 64 |
| 1448 | Magnetic resonance evidence of cerebellar cortical pathology in multiple sclerosis. 2010 , 81, 401-4 | | 51 |
| 1447 | Differences in medication use in the Alzheimer's disease neuroimaging initiative: analysis of baseline characteristics. 2010 , 27, 677-86 | | 17 |
| 1446 | Use of SVM methods with surface-based cortical and volumetric subcortical measurements to detect Alzheimer's disease. 2010 , 19, 1263-72 | | 71 |
| 1445 | Discrete Calculus. 2010 , | | 134 |
| 1444 | . 2010 , | | |
| 1443 | Patterns of cortical thinning in relation to event-based prospective memory performance three months after moderate to severe traumatic brain injury in children. 2010 , 35, 318-32 | | 40 |
| 1442 | Diffeomorphic Sulcal Shape Analysis for Cortical Surface Registration. 2010 , 13-18 June, 475-482 | | 2 |
| 1441 | Surface-Base Approach Using a Multi-scale EM-ICP Registration for Statistical Population Analysis. 2011 , | | 2 |
| 1440 | Integrative diffeomorphic metric mapping based on image and unlabeled points. 2011 , | | |
| 1439 | The organization of the human cerebellum estimated by intrinsic functional connectivity. 2011 , 106, 2322-45 | | 1265 |

| | | | |
|------|--|-----|------|
| 1438 | Cortical functional connectivity inference using MEG. 2011, | | |
| 1437 | Diffeomorphic cortical surface mapping and its comparison with spherical cortical mapping. 2011, | | |
| 1436 | Early pericalcarine atrophy in acute optic neuritis is associated with conversion to multiple sclerosis. 2011, 82, 1017-21 | | 17 |
| 1435 | The organization of the human cerebral cortex estimated by intrinsic functional connectivity. 2011, 106, 1125-65 | | 3997 |
| 1434 | Structural analysis of the cerebral cortex using blind source separation. 2011, | | |
| 1433 | From language comprehension to action understanding and back again. 2011, 21, 1166-77 | | 39 |
| 1432 | Smelling odors, understanding actions. 2011, 6, 31-47 | | 15 |
| 1431 | Parietal activity in episodic retrieval measured by fMRI and MEG. <i>NeuroImage</i> , 2011, 55, 788-93 | 7.9 | 14 |
| 1430 | Candidate gene analysis of the human natural killer-1 carbohydrate pathway and perineuronal nets in schizophrenia: B3GAT2 is associated with disease risk and cortical surface area. 2011, 69, 90-6 | | 37 |
| 1429 | Reduced cortical thickness as an outcome of differential sensitivity to environmental risks in schizophrenia. 2011, 69, 487-94 | | 105 |
| 1428 | Aberrant frontal lobe maturation in adolescents with fragile X syndrome is related to delayed cognitive maturation. 2011, 70, 852-8 | | 43 |
| 1427 | Group-wise automatic mesh-based analysis of cortical thickness. 2011, | | 5 |
| 1426 | Decreased interhemispheric functional connectivity in autism. 2011, 21, 1134-46 | | 313 |
| 1425 | Globally altered structural brain network topology in grapheme-color synesthesia. 2011, 31, 5816-28 | | 102 |
| 1424 | fMRI investigation of unexpected somatosensory feedback perturbation during speech. <i>NeuroImage</i> , 2011, 55, 1324-38 | 7.9 | 94 |
| 1423 | Regional heterogeneity in limbic maturational changes: evidence from integrating cortical thickness, volumetric and diffusion tensor imaging measures. <i>NeuroImage</i> , 2011, 55, 868-79 | 7.9 | 49 |
| 1422 | Interpretation-mediated changes in neural activity during language comprehension. <i>NeuroImage</i> , 2011, 55, 1314-23 | 7.9 | 26 |
| 1421 | Relationships between cognitive function and frontal grey matter volumes and thickness in middle aged and early old-aged adults: the PATH Through Life Study. <i>NeuroImage</i> , 2011, 55, 845-55 | 7.9 | 22 |

| | | | |
|------|--|-----|-----|
| 1420 | Associations between cortical thickness and verbal fluency in childhood, adolescence, and young adulthood. <i>NeuroImage</i> , 2011 , 55, 1865-77 | 7.9 | 49 |
| 1419 | Whole brain diffeomorphic metric mapping via integration of sulcal and gyral curves, cortical surfaces, and images. <i>NeuroImage</i> , 2011 , 56, 162-73 | 7.9 | 65 |
| 1418 | Locally Linear Diffeomorphic Metric Embedding (LLDME) for surface-based anatomical shape modeling. <i>NeuroImage</i> , 2011 , 56, 149-61 | 7.9 | 10 |
| 1417 | Local cortical surface complexity maps from spherical harmonic reconstructions. <i>NeuroImage</i> , 2011 , 56, 961-73 | 7.9 | 101 |
| 1416 | Multi-echo fMRI of the cortical laminae in humans at 7 T. <i>NeuroImage</i> , 2011 , 56, 1276-85 | 7.9 | 117 |
| 1415 | Frequency-specific electrocorticographic correlates of working memory delay period fMRI activity. <i>NeuroImage</i> , 2011 , 56, 1773-82 | 7.9 | 39 |
| 1414 | Surface-based TBM boosts power to detect disease effects on the brain: an N=804 ADNI study. <i>NeuroImage</i> , 2011 , 56, 1993-2010 | 7.9 | 88 |
| 1413 | Differential selectivity for dynamic versus static information in face-selective cortical regions. <i>NeuroImage</i> , 2011 , 56, 2356-63 | 7.9 | 267 |
| 1412 | In vivo evidence of disseminated subpial T2* signal changes in multiple sclerosis at 7 T: a surface-based analysis. <i>NeuroImage</i> , 2011 , 57, 55-62 | 7.9 | 46 |
| 1411 | Syntactic and auditory spatial processing in the human temporal cortex: an MEG study. <i>NeuroImage</i> , 2011 , 57, 624-33 | 7.9 | 31 |
| 1410 | Quantitative comparison and analysis of sulcal patterns using sulcal graph matching: a twin study. <i>NeuroImage</i> , 2011 , 57, 1077-86 | 7.9 | 47 |
| 1409 | A comparison of voxel and surface based cortical thickness estimation methods. <i>NeuroImage</i> , 2011 , 57, 856-65 | 7.9 | 122 |
| 1408 | DISC1 is associated with cortical thickness and neural efficiency. <i>NeuroImage</i> , 2011 , 57, 1591-600 | 7.9 | 44 |
| 1407 | On the context-dependent nature of the contribution of the ventral premotor cortex to speech perception. <i>NeuroImage</i> , 2011 , 57, 1561-71 | 7.9 | 80 |
| 1406 | Imaging derived cortical thickness reduction in high-functioning autism: key regions and temporal slope. <i>NeuroImage</i> , 2011 , 58, 391-400 | 7.9 | 83 |
| 1405 | Maturation of obligatory auditory responses and their neural sources: evidence from EEG and MEG. <i>NeuroImage</i> , 2011 , 58, 630-9 | 7.9 | 28 |
| 1404 | How the brain tissue shapes the electric field induced by transcranial magnetic stimulation. <i>NeuroImage</i> , 2011 , 58, 849-59 | 7.9 | 205 |
| 1403 | Age-related cortical thinning in schizophrenia. 2011 , 125, 21-9 | | 44 |

| | | | |
|------|--|-----|-----|
| 1402 | Regional contraction of brain surface area involves three large-scale networks in schizophrenia. 2011 , 129, 163-8 | | 53 |
| 1401 | Abnormally persistent fMRI activation during antisaccades in schizophrenia: a neural correlate of perseveration?. 2011 , 132, 62-8 | | 26 |
| 1400 | Decoding brain states from fMRI connectivity graphs. <i>NeuroImage</i> , 2011 , 56, 616-26 | 7.9 | 222 |
| 1399 | Evaluation of fiber bundles across subjects through brain mapping and registration of diffusion tensor data. <i>NeuroImage</i> , 2011 , 54 Suppl 1, S165-75 | 7.9 | 8 |
| 1398 | Automatic classification of patients with Alzheimer's disease from structural MRI: a comparison of ten methods using the ADNI database. <i>NeuroImage</i> , 2011 , 56, 766-81 | 7.9 | 689 |
| 1397 | Cortical surface-based searchlight decoding. <i>NeuroImage</i> , 2011 , 56, 582-92 | 7.9 | 56 |
| 1396 | Fractionating verbal episodic memory in Alzheimer's disease. <i>NeuroImage</i> , 2011 , 54, 1530-9 | 7.9 | 137 |
| 1395 | ¹ H-MR spectroscopic detection of metabolic changes in pain processing brain regions in the presence of non-specific chronic low back pain. <i>NeuroImage</i> , 2011 , 54, 1315-23 | 7.9 | 53 |
| 1394 | Comparison of noise-normalized minimum norm estimates for MEG analysis using multiple resolution metrics. <i>NeuroImage</i> , 2011 , 54, 1966-74 | 7.9 | 130 |
| 1393 | Hippocampal degeneration is associated with temporal and limbic gray matter/white matter tissue contrast in Alzheimer's disease. <i>NeuroImage</i> , 2011 , 54, 1795-802 | 7.9 | 47 |
| 1392 | Practical constraints on estimation of source extent with MEG beamformers. <i>NeuroImage</i> , 2011 , 54, 2732-40 | 7.9 | 51 |
| 1391 | Thickness of the human cerebral cortex is associated with metrics of cerebrovascular health in a normative sample of community dwelling older adults. <i>NeuroImage</i> , 2011 , 54, 2659-71 | 7.9 | 102 |
| 1390 | The generation of tetrahedral mesh models for neuroanatomical MRI. <i>NeuroImage</i> , 2011 , 55, 153-64 | 7.9 | 17 |
| 1389 | Functional magnetic resonance inverse imaging of human visuomotor systems using eigenspace linearly constrained minimum amplitude (eLCMA) beamformer. <i>NeuroImage</i> , 2011 , 55, 87-100 | 7.9 | 6 |
| 1388 | Contribution of chronic pain and neuroticism to abnormal forebrain gray matter in patients with temporomandibular disorder. <i>NeuroImage</i> , 2011 , 55, 277-86 | 7.9 | 121 |
| 1387 | Age-associated reductions in cerebral blood flow are independent from regional atrophy. <i>NeuroImage</i> , 2011 , 55, 468-78 | 7.9 | 248 |
| 1386 | Dysbindin C-A-T haplotype is associated with thicker medial orbitofrontal cortex in healthy population. <i>NeuroImage</i> , 2011 , 55, 508-13 | 7.9 | 10 |
| 1385 | Localization of cortical phase and amplitude dynamics during visual working memory encoding and retention. 2011 , 31, 5013-25 | | 124 |

| | | |
|------|--|-----|
| 1384 | Medical Computer Vision. Recognition Techniques and Applications in Medical Imaging. 2011 , | 6 |
| 1383 | Brain Imaging in Behavioral Medicine and Clinical Neuroscience. 2011 , | 5 |
| 1382 | Genetic influences on cost-efficient organization of human cortical functional networks. 2011 , 31, 3261-70 | 235 |
| 1381 | Computing and Intelligent Systems. 2011 , | |
| 1380 | Predictive models for autism spectrum disorder based on multiple cortical features. 2011 , | 2 |
| 1379 | Predictive models for subtypes of autism spectrum disorder based on single-nucleotide polymorphisms and magnetic resonance imaging. 2011 , 56, 334-42 | 17 |
| 1378 | Effects of alcohol intoxication and gender on cerebral perfusion: an arterial spin labeling study. 2011 , 45, 725-37 | 29 |
| 1377 | Probing brain connectivity by combined analysis of diffusion MRI tractography and electrocorticography. 2011 , 41, 1092-9 | 17 |
| 1376 | Anatomic and electro-physiologic connectivity of the language system: a combined DTI-CCEP study. 2011 , 41, 1100-9 | 62 |
| 1375 | Memory and brain volume in adults prenatally exposed to alcohol. 2011 , 75, 67-77 | 66 |
| 1374 | Visual detection and identification are not the same: evidence from psychophysics and fMRI. 2011 , 75, 29-38 | 11 |
| 1373 | Altered prefrontal and insular cortical thickness in adolescent marijuana users. 2011 , 220, 164-72 | 131 |
| 1372 | A random-effects model for group-level analysis of diffuse optical brain imaging. 2010 , 2, 1-25 | 22 |
| 1371 | Diffuse optical cortical mapping using the boundary element method. 2011 , 2, 568-78 | 6 |
| 1370 | Caudate atrophy and impaired frontostriatal connections are linked to executive dysfunction in temporal lobe epilepsy. 2011 , 21, 80-7 | 49 |
| 1369 | Prematurity affects cortical maturation in early childhood. 2011 , 45, 213-9 | 24 |
| 1368 | Schneiderian first rank symptoms and inferior parietal lobule cortical thickness in antipsychotic-naïve schizophrenia. 2011 , 35, 40-6 | 26 |
| 1367 | Cortical thickness and voxel-based morphometry in posterior cortical atrophy and typical Alzheimer's disease. 2011 , 32, 1466-76 | 138 |

| | | |
|------|--|-----|
| 1366 | Acceleration of cortical thinning in familial Alzheimer's disease. 2011 , 32, 1765-73 | 38 |
| 1365 | Genetic influences on cortical regionalization in the human brain. 2011 , 72, 537-44 | 99 |
| 1364 | COMPARISON OF VOLUMETRIC REGISTRATION ALGORITHMS FOR TENSOR-BASED MORPHOMETRY. 2011 , 2011, 1536-1541 | 0 |
| 1363 | Magnetic resonance imaging and graph theoretical analysis of complex brain networks in neuropsychiatric disorders. 2011 , 1, 349-65 | 74 |
| 1362 | Advanced techniques in magnetic resonance imaging of the brain in children with ADHD. 2011 , 69, 242-52 | 10 |
| 1361 | From inefficient to pop-out visual search in one week. 2011 , 1, 00031 | |
| 1360 | Quantification of Volumetric Changes of Brain in Neurodegenerative Diseases Using Magnetic Resonance Imaging and Stereology. 2011 , | |
| 1359 | Glimpses of the Living Brain with Alzheimer's Disease. 2011 , 505-534 | 1 |
| 1358 | Electromagnetic Brain Mapping Using MEG and EEG. 2011 , | 1 |
| 1357 | Motor response selection in overt sentence production: a functional MRI study. 2011 , 2, 253 | 33 |
| 1356 | Phonological processing in human auditory cortical fields. 2011 , 5, 42 | 28 |
| 1355 | Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in python. 2011 , 5, 13 | 737 |
| 1354 | Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. 2011 , 5, 23 | 361 |
| 1353 | Malformations of cortical development: current concepts and advanced neuroimaging review. 2011 , 69, 130-8 | 17 |
| 1352 | Detection of epileptogenic cortical malformations with surface-based MRI morphometry. 2011 , 6, e16430 | 57 |
| 1351 | A hypomethylating variant of MTHFR, 677C>T, blunts the neural response to errors in patients with schizophrenia and healthy individuals. 2011 , 6, e25253 | 23 |
| 1350 | Presence of ApoE ϵ allele associated with thinner frontal cortex in middle age. 2011 , 26 Suppl 3, 49-60 | 60 |
| 1349 | Three-dimensional visualization of subdural electrodes for presurgical planning. 2011 , 68, 152-60; discussion 160-1 | 7 |

| | | |
|------|---|-----|
| 1348 | Time course of electromagnetic activity associated with detection of rare events. 2011 , 22, 136-40 | 1 |
| 1347 | Double dissociation in the anatomy of socioemotional disinhibition and executive functioning in dementia. 2011 , 25, 249-59 | 39 |
| 1346 | Let's inhibit our excitement: the relationships between Stroop, behavioral disinhibition, and the frontal lobes. 2011 , 25, 655-65 | 33 |
| 1345 | Neural correlates of sentence reading in children with reading difficulties. 2011 , 22, 674-8 | 5 |
| 1344 | Widespread Brain Areas Engaged during a Classical Auditory Streaming Task Revealed by Intracranial EEG. 2011 , 5, 74 | 29 |
| 1343 | Intentional signals during saccadic and reaching delays in the human posterior parietal cortex. 2011 , 34, 1871-85 | 39 |
| 1342 | Anatomical markers of sleep slow wave activity derived from structural magnetic resonance images. 2011 , 20, 506-13 | 29 |
| 1341 | Cortical curvature analysis in MRI-negative temporal lobe epilepsy: a surrogate marker for malformations of cortical development. 2011 , 52, 28-34 | 9 |
| 1340 | Neocortical thinning in "benign" mesial temporal lobe epilepsy. 2011 , 52, 712-7 | 45 |
| 1339 | Widespread cortical thinning in children with frontal lobe epilepsy. 2011 , 52, 1685-91 | 36 |
| 1338 | Cortical thickness, surface area, and volume of the brain reward system in alcohol dependence: relationships to relapse and extended abstinence. 2011 , 35, 1187-200 | 182 |
| 1337 | Reduced cortical thickness in abstinent alcoholics and association with alcoholic behavior. 2011 , 35, 2193-201 | 68 |
| 1336 | Algorithms to improve the reparameterization of spherical mappings of brain surface meshes. 2011 , 21, e134-47 | 61 |
| 1335 | Quality and quantity of diffuse and focal white matter disease and cognitive disability of patients with multiple sclerosis. 2011 , 21, e57-63 | 11 |
| 1334 | Reduced cortical thickness is associated with the glutamatergic regulatory gene risk variant DAOA Arg30Lys in schizophrenia. 2011 , 36, 1747-53 | 36 |
| 1333 | Mapping the visual brain: how and why. 2011 , 25, 291-6 | 21 |
| 1332 | Distinct neuroanatomical substrates and cognitive mechanisms of figure copy performance in Alzheimer's disease and behavioral variant frontotemporal dementia. 2011 , 49, 43-8 | 134 |
| 1331 | Altered brain response for semantic knowledge in Alzheimer's disease. 2011 , 49, 392-404 | 19 |

| | | |
|------|--|-----|
| 1330 | The role of lateral occipital face and object areas in the face inversion effect. 2011 , 49, 3448-53 | 50 |
| 1329 | The brain dynamics of intellectual development: waxing and waning white and gray matter. 2011 , 49, 3605-11 | 43 |
| 1328 | Morphometry and connectivity of the fronto-parietal verbal working memory network in development. 2011 , 49, 3854-62 | 87 |
| 1327 | Lateralized abnormalities in auditory M50 sensory gating and cortical thickness of the superior temporal gyrus in post-traumatic stress disorder: preliminary results. 2011 , 191, 138-44 | 28 |
| 1326 | Brain morphometry changes and depressive symptoms after traumatic brain injury. 2011 , 191, 160-5 | 38 |
| 1325 | Structural evidence for involvement of a left amygdala-orbitofrontal network in subclinical anxiety. 2011 , 194, 296-303 | 60 |
| 1324 | Imaging retinotopic maps in the human brain. 2011 , 51, 718-37 | 249 |
| 1323 | Cortical thickness and VBM-DARTEL in late-life depression. 2011 , 133, 158-64 | 43 |
| 1322 | Magnetic resonance imaging demonstrates long-term changes in brain structure in children born preterm and exposed to chorioamnionitis. 2011 , 205, 384.e1-8 | 23 |
| 1321 | Surface-based analysis methods for high-resolution functional magnetic resonance imaging. 2011 , 73, 313-322 | 23 |
| 1320 | Neural correlates in the processing of phoneme-level complexity in vowel production. 2011 , 119, 158-66 | 15 |
| 1319 | Cortical and subcortical changes in typically developing preadolescent children. 2011 , 1399, 15-24 | 45 |
| 1318 | Improved method for retinotopy constrained source estimation of visual-evoked responses. 2013 , 34, 665-83 | 12 |
| 1317 | Right hemisphere has the last laugh: neural dynamics of joke appreciation. 2011 , 11, 113-30 | 56 |
| 1316 | Age-related changes in the thickness of cortical zones in humans. 2011 , 24, 279-91 | 100 |
| 1315 | Drug therapy of post-stroke aphasia: a review of current evidence. 2011 , 21, 302-17 | 65 |
| 1314 | Diffusion tensor imaging shows white matter tracts between human auditory and visual cortex. 2011 , 213, 299-308 | 96 |
| 1313 | Anatomically constrained minimum variance beamforming applied to EEG. 2011 , 214, 515-28 | 20 |

| | | |
|------|--|-----|
| 1312 | Cortical thickness, gray matter volume, and white matter anisotropy and diffusivity in schizophrenia. 2011 , 53, 859-66 | 16 |
| 1311 | Nonlinear registration of longitudinal images and measurement of change in regions of interest. 2011 , 15, 489-97 | 97 |
| 1310 | fMRI of syntactic processing in typically developing children: structural correlates in the inferior frontal gyrus. 2011 , 1, 313-23 | 56 |
| 1309 | An open source multivariate framework for n-tissue segmentation with evaluation on public data. 2011 , 9, 381-400 | 340 |
| 1308 | An EEG-based real-time cortical functional connectivity imaging system. 2011 , 49, 985-95 | 8 |
| 1307 | MTHFR 677C>T effects on anterior cingulate structure and function during response monitoring in schizophrenia: a preliminary study. 2011 , 5, 65-75 | 21 |
| 1306 | A few thoughts on brain ROIs. 2011 , 5, 189-202 | 41 |
| 1305 | Differences in cortical response to acupressure and electroacupuncture stimuli. 2011 , 12, 73 | 16 |
| 1304 | Artifact quantification and tractography from 3T MRI after placement of aneurysm clips in subarachnoid hemorrhage patients. 2011 , 11, 19 | 12 |
| 1303 | Behavioral effects of congenital ventromedial prefrontal cortex malformation. 2011 , 11, 151 | 25 |
| 1302 | Focal cortical and subcortical atrophy in early Parkinson's disease. 2011 , 26, 436-41 | 99 |
| 1301 | A novel method for quantifying scanner instability in fMRI. 2011 , 65, 1053-61 | 38 |
| 1300 | Apathy and cortical atrophy in Alzheimer's disease. 2011 , 26, 741-8 | 63 |
| 1299 | Early parietal response in episodic retrieval revealed with MEG. 2011 , 32, 171-81 | 9 |
| 1298 | Topological correction of brain surface meshes using spherical harmonics. 2011 , 32, 1109-24 | 89 |
| 1297 | Sequential temporo-fronto-temporal activation during monitoring of the auditory environment for temporal patterns. 2011 , 32, 1260-76 | 26 |
| 1296 | Visual phonetic processing localized using speech and nonspeech face gestures in video and point-light displays. 2011 , 32, 1660-76 | 36 |
| 1295 | Beyond topographic representation: Decoding visuospatial attention from local activity patterns in the human frontal cortex. 2011 , 21, 201-210 | 6 |

| | | |
|------|--|-----|
| 1294 | 3D visualization of subdural electrode shift as measured at craniotomy reopening. 2011 , 94, 102-9 | 25 |
| 1293 | Default network correlations analyzed on native surfaces. 2011 , 198, 301-11 | 26 |
| 1292 | Distinguishing between major depressive disorder and obsessive-compulsive disorder in children by measuring regional cortical thickness. 2011 , 68, 527-33 | 69 |
| 1291 | Impact of methodologic choice for automatic detection of different aspects of brain atrophy by using temporal lobe epilepsy as a model. 2011 , 32, 1669-76 | 22 |
| 1290 | The dynamics of cortical and hippocampal atrophy in Alzheimer disease. 2011 , 68, 1040-8 | 207 |
| 1289 | A method for anisotropic spatial smoothing of functional magnetic resonance images using distance transformation of a structural image. 2011 , 56, 5063-77 | 4 |
| 1288 | Distinct profiles of brain and cognitive changes in the very old with Alzheimer disease. 2011 , 77, 713-21 | 24 |
| 1287 | Mild cognitive impairment: baseline and longitudinal structural MR imaging measures improve predictive prognosis. 2011 , 259, 834-43 | 80 |
| 1286 | Alexithymia in neurodegenerative disease. 2011 , 17, 242-50 | 51 |
| 1285 | Multiple cortical representation methods for functional localization in the human brain. 2011 , | |
| 1284 | MEG-fMRI integration to visualize brain dynamics while perceiving 3-D object shape from motion. 2011 , 2011, 4917-20 | 1 |
| 1283 | Cortical pathology and cognitive impairment in multiple sclerosis. 2011 , 11, 425-32 | 59 |
| 1282 | Intact bilateral resting-state networks in the absence of the corpus callosum. 2011 , 31, 15154-62 | 133 |
| 1281 | The effectiveness of geometry features on multi-resolution diffeomorphic demons registration in the implementation of human cortex surface parcellation. 2011 , | 1 |
| 1280 | The role of frontal and parietal brain areas in bistable perception. 2011 , 31, 10293-301 | 148 |
| 1279 | Temporal lobe structures and facial emotion recognition in schizophrenia patients and nonpsychotic relatives. 2011 , 37, 1281-94 | 58 |
| 1278 | Genetic and environmental contributions to regional cortical surface area in humans: a magnetic resonance imaging twin study. 2011 , 21, 2313-21 | 78 |
| 1277 | Puberty influences medial temporal lobe and cortical gray matter maturation differently in boys than girls matched for sexual maturity. 2011 , 21, 636-46 | 200 |

| | | |
|------|--|-----|
| 1276 | Early onset of neural synchronization in the contextual associations network. 2011 , 108, 3389-94 | 119 |
| 1275 | Comparison of structural magnetic resonance imaging and development in toddlers born very low birth weight and full-term. 2011 , 26, 586-92 | 14 |
| 1274 | Cerebellar gray matter density in females with ADHD combined type: a cross-sectional voxel-based morphometry study. 2011 , 15, 368-81 | 22 |
| 1273 | Dynamic activation of frontal, parietal, and sensory regions underlying anticipatory visual spatial attention. 2011 , 31, 13880-9 | 50 |
| 1272 | Neural correlates of interindividual differences in children's audiovisual speech perception. 2011 , 31, 13963-71 | 53 |
| 1271 | Brain structure correlates of individual differences in the acquisition and inhibition of conditioned fear. 2011 , 21, 1954-62 | 120 |
| 1270 | Dissociation of sensitivity to spatial frequency in word and face preferential areas of the fusiform gyrus. 2011 , 21, 2307-12 | 63 |
| 1269 | Lower-level stimulus features strongly influence responses in the fusiform face area. 2011 , 21, 35-47 | 74 |
| 1268 | A preliminary neuroimaging study of preschool children with ADHD. 2011 , 25, 1009-28 | 29 |
| 1267 | The neurobiological role of the dorsolateral prefrontal cortex in recovery from trauma. Longitudinal brain imaging study among survivors of the South Korean subway disaster. 2011 , 68, 701-13 | 85 |
| 1266 | Surgical revascularization reverses cerebral cortical thinning in patients with severe cerebrovascular steno-occlusive disease. 2011 , 42, 1631-7 | 54 |
| 1265 | Global clinical dementia rating of 0.5 in MCI masks variability related to level of function. 2011 , 76, 652-9 | 74 |
| 1264 | Correlations between MRI white matter lesion location and executive function and episodic memory. 2011 , 76, 1492-9 | 162 |
| 1263 | Reciprocal anatomical relationship between primary sensory and prefrontal cortices in the human brain. 2011 , 31, 9472-80 | 25 |
| 1262 | Visuotopic organization of macaque posterior parietal cortex: a functional magnetic resonance imaging study. 2011 , 31, 2064-78 | 87 |
| 1261 | Increased functional selectivity over development in rostralateral prefrontal cortex. 2011 , 31, 17260-8 | 56 |
| 1260 | Resting-state neural activity across face-selective cortical regions is behaviorally relevant. 2011 , 31, 10323-30 | 104 |
| 1259 | Deep and superficial amygdala nuclei projections revealed in vivo by probabilistic tractography. 2011 , 31, 618-23 | 115 |

| | | |
|------|--|-----|
| 1258 | Mapping human cortical areas in vivo based on myelin content as revealed by T1- and T2-weighted MRI. 2011 , 31, 11597-616 | 808 |
| 1257 | Attention-driven auditory cortex short-term plasticity helps segregate relevant sounds from noise. 2011 , 108, 4182-7 | 84 |
| 1256 | Neural characterization of the speed-accuracy tradeoff in a perceptual decision-making task. 2011 , 31, 1254-66 | 53 |
| 1255 | Heritability of working memory brain activation. 2011 , 31, 10882-90 | 141 |
| 1254 | Scene-selective cortical regions in human and nonhuman primates. 2011 , 31, 13771-85 | 174 |
| 1253 | Interactions of top-down and bottom-up mechanisms in human visual cortex. 2011 , 31, 587-97 | 115 |
| 1252 | Dynamic changes in superior temporal sulcus connectivity during perception of noisy audiovisual speech. 2011 , 31, 1704-14 | 127 |
| 1251 | Associations between regional cortical thickness and attentional networks as measured by the attention network test. 2011 , 21, 345-56 | 125 |
| 1250 | Intrinsic curvature: a marker of millimeter-scale tangential cortico-cortical connectivity?. 2011 , 21, 351-66 | 51 |
| 1249 | Internet addiction: Neuroimaging findings. 2011 , 4, 637-9 | 45 |
| 1248 | Dysfunction of a cortical midline network during emotional appraisals in schizophrenia. 2011 , 37, 164-76 | 38 |
| 1247 | EEG sleep slow-wave activity as a mirror of cortical maturation. 2011 , 21, 607-15 | 169 |
| 1246 | Individual differences in verbal abilities associated with regional blurring of the left gray and white matter boundary. 2011 , 31, 15257-63 | 16 |
| 1245 | Structural alterations in lateral prefrontal, parietal and posterior midline regions of men with chronic posttraumatic stress disorder. 2011 , 36, 176-86 | 78 |
| 1244 | The predictive value of gray matter atrophy in clinically isolated syndromes. 2011 , 77, 257-63 | 122 |
| 1243 | Transient bold activity locked to perceptual reversals of auditory streaming in human auditory cortex and inferior colliculus. 2011 , 105, 1977-83 | 52 |
| 1242 | Mapping connectivity damage in the case of Phineas Gage. 2012 , 7, e37454 | 111 |
| 1241 | Mathematical Methods for Signal and Image Analysis and Representation. 2012 , | 2 |

| | | |
|------|---|-----|
| 1240 | An early category-specific neural response for the perception of both places and faces. 2012 , 3, 45-51 | 11 |
| 1239 | Regional cortical thinning associated with detectable levels of HIV DNA. 2012 , 22, 2065-75 | 65 |
| 1238 | Early-onset Alzheimer disease clinical variants: multivariate analyses of cortical thickness. 2012 , 79, 80-4 | 63 |
| 1237 | Reduced cortical thickness in children with new-onset seizures. 2012 , 33, 673-7 | 15 |
| 1236 | The association between a polygenic Alzheimer score and cortical thickness in clinically normal subjects. 2012 , 22, 2653-61 | 91 |
| 1235 | Cortical Surface Reconstruction from High-Resolution MR Brain Images. 2012 , 2012, 870196 | 6 |
| 1234 | Spatio-temporal brain mapping of motion-onset VEPs combined with fMRI and retinotopic maps. 2012 , 7, e35771 | 33 |
| 1233 | Long-term influence of normal variation in neonatal characteristics on human brain development. 2012 , 109, 20089-94 | 138 |
| 1232 | Humans mimicking animals: a cortical hierarchy for human vocal communication sounds. 2012 , 32, 8084-93 | 17 |
| 1231 | Visuotopic cortical connectivity underlying attention revealed with white-matter tractography. 2012 , 32, 2773-82 | 82 |
| 1230 | Distinct effects of attention on the neural responses to form and motion processing: a SSVEP source-imaging study. 2012 , 12, 15 | 15 |
| 1229 | Changes in cortical morphology resulting from long-term amygdala damage. 2012 , 7, 588-95 | 17 |
| 1228 | Eye movements modulate the spatiotemporal dynamics of word processing. 2012 , 32, 4482-94 | 4 |
| 1227 | Associations of cortical thickness and cognition in patients with schizophrenia and healthy controls. 2012 , 38, 1050-62 | 106 |
| 1226 | Prevalence of selectivity for mirror-symmetric views of faces in the ventral and dorsal visual pathways. 2012 , 32, 11763-72 | 57 |
| 1225 | Resetting capacity limitations revealed by long-lasting elimination of attentional blink through training. 2012 , 109, 12242-7 | 41 |
| 1224 | Parcellations and hemispheric asymmetries of human cerebral cortex analyzed on surface-based atlases. 2012 , 22, 2241-62 | 410 |
| 1223 | Task-relevant and task-irrelevant dimensions are modulated independently at a task-irrelevant location. 2012 , 24, 1884-95 | 11 |

| | | |
|------|--|-----|
| 1222 | A computational growth model for measuring dynamic cortical development in the first year of life. 2012 , 22, 2272-84 | 47 |
| 1221 | Multimodal imaging of spike propagation: a technical case report. 2012 , 33, E82-4 | 15 |
| 1220 | Cortical thinning in psychopathy. 2012 , 169, 743-9 | 101 |
| 1219 | Performance Dip in motor response induced by task-irrelevant weaker coherent visual motion signals. 2012 , 22, 1887-93 | 2 |
| 1218 | Interregional correlations in Parkinson disease and Parkinson-related dementia with resting functional MR imaging. 2012 , 263, 226-34 | 65 |
| 1217 | Multimodal Brain Image Analysis. 2012 , | 0 |
| 1216 | Parcellation of human inferior parietal lobule based on diffusion MRI. 2012 , 2012, 3219-22 | 4 |
| 1215 | . 2012 , | 0 |
| 1214 | Guide to Medical Image Analysis. 2012 , | 32 |
| 1213 | Neuronal representations of distance in human auditory cortex. 2012 , 109, 11019-24 | 36 |
| 1212 | Age-related changes in the neurophysiology of language in adults: relationship to regional cortical thinning and white matter microstructure. 2012 , 32, 12204-13 | 17 |
| 1211 | Variation in neural development as a result of exposure to institutionalization early in childhood. 2012 , 109, 12927-32 | 293 |
| 1210 | The organization of the human striatum estimated by intrinsic functional connectivity. 2012 , 108, 2242-63 | 527 |
| 1209 | Age-related changes to the neural correlates of social evaluation. 2012 , 7, 552-64 | 14 |
| 1208 | An integrated framework for high angular resolution diffusion imaging-based investigation of structural connectivity. 2012 , 2, 69-79 | 8 |
| 1207 | Diminished whole-brain but enhanced peri-sylvian connectivity in absolute pitch musicians. 2012 , 24, 1447-61 | 48 |
| 1206 | Two solutions for registration of ultrasound to MRI for image-guided prostate interventions. 2012 , 2012, 1129-32 | 13 |
| 1205 | A comparison of heritability maps of cortical surface area and thickness and the influence of adjustment for whole brain measures: a magnetic resonance imaging twin study. 2012 , 15, 304-14 | 89 |

| | | |
|------|---|-----|
| 1204 | CSF biomarker and PIB-PET-derived beta-amyloid signature predicts metabolic, gray matter, and cognitive changes in nondemented subjects. 2012 , 22, 1993-2004 | 73 |
| 1203 | Multimodal Neuroimaging Predictors for Cognitive Performance Using Structured Sparse Learning. 2012 , 1-17 | 3 |
| 1202 | Classification of ADHD children through multimodal magnetic resonance imaging. 2012 , 6, 63 | 103 |
| 1201 | A digital atlas of the dog brain. 2012 , 7, e52140 | 61 |
| 1200 | A pilot study of quantitative MRI measurements of ventricular volume and cortical atrophy for the differential diagnosis of normal pressure hydrocephalus. 2012 , 2012, 718150 | 26 |
| 1199 | Influence of anisotropic conductivity in the skull and white matter on transcranial direct current stimulation via an anatomically realistic finite element head model. 2012 , 57, 6961-80 | 61 |
| 1198 | Dissociating memory processes in the developing brain: the role of hippocampal volume and cortical thickness in recall after minutes versus days. 2012 , 22, 381-90 | 40 |
| 1197 | A demonstration that task difficulty can confound the interpretation of lateral differences in brain activation between typical and dyslexic readers. 2012 , 17, 340-60 | 3 |
| 1196 | Higher education is not associated with greater cortical thickness in brain areas related to literacy or intelligence in normal aging or mild cognitive impairment. 2012 , 34, 925-35 | 16 |
| 1195 | Sparse imaging of cortical electrical current densities via wavelet transforms. 2012 , 57, 6881-901 | 16 |
| 1194 | A surface based approach for cortical thickness comparison between PiB+ and PiB- healthy control subjects. 2012 , | 2 |
| 1193 | Prefrontal cortical deficits in type 1 diabetes mellitus: brain correlates of comorbid depression. 2012 , 69, 1267-76 | 24 |
| 1192 | Medial perirhinal cortex disambiguates confusable objects. 2012 , 135, 3757-69 | 66 |
| 1191 | Mapping cortical dynamics using simultaneous MEG/EEG and anatomically-constrained minimum-norm estimates: an auditory attention example. 2012 , e4262 | 13 |
| 1190 | How to measure cortical folding from MR images: a step-by-step tutorial to compute local gyrification index. 2012 , e3417 | 73 |
| 1189 | The effects of FreeSurfer version, workstation type, and Macintosh operating system version on anatomical volume and cortical thickness measurements. 2012 , 7, e38234 | 234 |
| 1188 | Prediction of conversion from mild cognitive impairment to Alzheimer disease based on bayesian data mining with ensemble learning. 2012 , 25, 5-16 | 8 |
| 1187 | Cortical thickness of supratemporal plane predicts auditory N1 amplitude. 2012 , 23, 1026-30 | 23 |

| | | |
|------|---|--------|
| 1186 | Patterns of gray and white matter changes in individuals at risk for Alzheimer's disease. 2012 , 9, 1097-105 | 3 |
| 1185 | Structural abnormalities of the central auditory pathway in infants with nonsyndromic cleft lip and/or palate. 2012 , 49, 137-45 | 11 |
| 1184 | Selection of events in time enhances activity throughout early visual cortex. 2012 , 108, 3239-52 | 23 |
| 1183 | Cerebral blood flow in Alzheimer's disease. 2012 , 8, 599-611 | 124 |
| 1182 | The neural basis of logopenic progressive aphasia. 2012 , 32, 1051-9 | 39 |
| 1181 | Longitudinal changes in behavioral approach system sensitivity and brain structures involved in reward processing during adolescence. 2012 , 48, 1488-500 | 138 |
| 1180 | Meta-analysis of functional neuroimaging data using Bayesian nonparametric binary regression. 2012 , 6, | 17 |
| 1179 | Diffeomorphic sulcal shape analysis on the cortex. 2012 , 31, 1195-212 | 25 |
| 1178 | Laterality of temporoparietal causal connectivity during the prestimulus period correlates with phonological decoding task performance in dyslexic and typical readers. 2012 , 22, 1923-34 | 12 |
| 1177 | Predicting the development of mild cognitive impairment: a new use of pattern recognition. <i>NeuroImage</i> , 2012 , 60, 894-901 | 7.9 22 |
| 1176 | Risk classification in mild cognitive impairment patients for developing Alzheimer's disease. 2012 , 30, 367-75 | 18 |
| 1175 | Within-subject template estimation for unbiased longitudinal image analysis. <i>NeuroImage</i> , 2012 , 61, 1402-18 | 1386 |
| 1174 | Temporally-independent functional modes of spontaneous brain activity. 2012 , 109, 3131-6 | 555 |
| 1173 | From phenotype to genotype: an association study of longitudinal phenotypic markers to Alzheimer's disease relevant SNPs. 2012 , 28, i619-i625 | 45 |
| 1172 | Multimodal imaging of the self-regulating developing brain. 2012 , 109, 19620-5 | 169 |
| 1171 | Spatio-temporal mapping cortical neuroplasticity in carpal tunnel syndrome. 2012 , 135, 3062-73 | 23 |
| 1170 | A 5-year follow-up study of brain cortical and subcortical abnormalities in a schizophrenia cohort. 2012 , 142, 209-16 | 30 |
| 1169 | Digital Image Acquisition. 2012 , 21-82 | 1 |

| | | | |
|------|---|-----|----|
| 1168 | Structure Tensor Informed Fiber Tractography (STIFT) by combining gradient echo MRI and diffusion weighted imaging. <i>NeuroImage</i> , 2012 , 59, 3941-54 | 7.9 | 15 |
| 1167 | Comparing local shape descriptors. 2012 , 28, 919-929 | | 6 |
| 1166 | Dissociable morphometric differences of the inferior parietal lobule in schizophrenia. 2012 , 262, 579-87 | | 28 |
| 1165 | Grey matter abnormalities in social anxiety disorder: a pilot study. 2012 , 27, 299-309 | | 72 |
| 1164 | Greater regional brain atrophy rate in healthy elderly subjects with a history of cigarette smoking. 2012 , 8, 513-9 | | 42 |
| 1163 | Regional cortical thinning in patients with major depressive disorder: a surface-based morphometry study. 2012 , 202, 206-13 | | 72 |
| 1162 | Effects of alcohol dependence on cortical thickness as determined by magnetic resonance imaging. 2012 , 204, 101-11 | | 61 |
| 1161 | Reduced insular volume in attention deficit hyperactivity disorder. 2012 , 204, 32-9 | | 53 |
| 1160 | Decreased language laterality in tuberous sclerosis complex: a relationship between language dominance and tuber location as well as history of epilepsy. 2012 , 25, 36-41 | | 10 |
| 1159 | A fast iterative greedy algorithm for MEG source localization. 2012 , 2012, 6748-51 | | 3 |
| 1158 | Validating atlas-guided DOT: a comparison of diffuse optical tomography informed by atlas and subject-specific anatomies. <i>NeuroImage</i> , 2012 , 62, 1999-2006 | 7.9 | 62 |
| 1157 | Current status and future perspectives of magnetic resonance high-field imaging: a summary. 2012 , 22, 373-97, xii | | 10 |
| 1156 | Genetic and environmental influences of white and gray matter signal contrast: a new phenotype for imaging genetics?. <i>NeuroImage</i> , 2012 , 60, 1686-95 | 7.9 | 25 |
| 1155 | Healthy aging: an automatic analysis of global and regional morphological alterations of human brain. 2012 , 19, 785-93 | | 74 |
| 1154 | Automated diagnosis of Alzheimer's disease using Gaussian mixture model based on cortical thickness. 2012 , | | 2 |
| 1153 | The relevance voxel machine (RVoxM): a self-tuning Bayesian model for informative image-based prediction. 2012 , 31, 2290-306 | | 37 |
| 1152 | Mapping subcortical connectivity related to cortical gamma and theta oscillations. 2012 , | | |
| 1151 | Applying spatial covariance modeling on cortical thickness measurement. 2012 , | | |

| | | |
|------|---|-----|
| 1150 | Sparse Bayesian multi-task learning for predicting cognitive outcomes from neuroimaging measures in Alzheimer's disease. 2012, | 2 |
| 1149 | Sparse MEG source localization on parameterized cortical medial surface. 2012, | 1 |
| 1148 | Increase in sensorimotor cortex response to somatosensory stimulation over subacute poststroke period correlates with motor recovery in hemiparetic patients. 2012, 26, 325-34 | 23 |
| 1147 | Absolute quantitation of brain metabolites with respect to heterogeneous tissue compositions in (1)H-MR spectroscopic volumes. 2012, 25, 321-33 | 49 |
| 1146 | TCF4 sequence variants and mRNA levels are associated with neurodevelopmental characteristics in psychotic disorders. 2012, 2, e112 | 51 |
| 1145 | Apolipoprotein E ϵ -related thickening of the cerebral cortex modulates selective attention. 2012, 33, 304-322.e1 | 23 |
| 1144 | Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. 2012, 33, 242-53 | 67 |
| 1143 | Normal age-related brain morphometric changes: nonuniformity across cortical thickness, surface area and gray matter volume?. 2012, 33, 617.e1-9 | 303 |
| 1142 | Behavioral and anatomical consequences of early versus late symbol training in macaques. 2012, 73, 608-19 | 79 |
| 1141 | Cortical thickness correlates of pain and temperature sensitivity. 2012, 153, 1602-1609 | 89 |
| 1140 | Rates of brain atrophy and clinical decline over 6 and 12-month intervals in PSP: determining sample size for treatment trials. 2012, 18, 252-6 | 44 |
| 1139 | Reduced cortical thickness in non-medicated patients with obsessive-compulsive disorder. 2012, 37, 90-5 | 29 |
| 1138 | Top-down processing of symbolic meanings modulates the visual word form area. 2012, 32, 12277-83 | 28 |
| 1137 | Structural analysis of fMRI data: a surface-based framework for multi-subject studies. 2012, 16, 976-90 | 3 |
| 1136 | Can neuroimaging be used as a support to diagnosis of borderline personality disorder? An approach based on computational neuroanatomy and machine learning. 2012, 46, 1126-32 | 24 |
| 1135 | Comprehensive evaluation of cortical structure abnormalities in drug-naïve, adult patients with obsessive-compulsive disorder: a surface-based morphometry study. 2012, 46, 1161-8 | 36 |
| 1134 | C-reactive protein is related to memory and medial temporal brain volume in older adults. 2012, 26, 103-8 | 95 |
| 1133 | The perirhinal cortex modulates V2 activity in response to the agreement between part familiarity and configuration familiarity. 2012, 22, 1965-77 | 25 |

| | | | |
|------|---|-----|-----|
| 1132 | High serum levels of transforming growth factor β are associated with increased cortical thickness in cingulate and right frontal areas in healthy subjects. 2012 , 9, 42 | | 6 |
| 1131 | Adolescents with prenatal cocaine exposure show subtle alterations in striatal surface morphology and frontal cortical volumes. 2012 , 4, 22 | | 15 |
| 1130 | Pituitary volume, stress reactivity and genetic risk for psychotic disorder. 2012 , 42, 1523-33 | | 32 |
| 1129 | Two critical and functionally distinct stages of face and body perception. 2012 , 32, 15877-85 | | 65 |
| 1128 | Association of genetic copy number variations at 11 q14.2 with brain regional volume differences in an alcohol use disorder population. 2012 , 46, 519-27 | | 17 |
| 1127 | Reduced anterior cingulate cognitive activation is associated with prefrontal-temporal cortical thinning in schizophrenia. 2012 , 71, 146-53 | | 24 |
| 1126 | High dimensional endophenotype ranking in the search for major depression risk genes. 2012 , 71, 6-14 | | 147 |
| 1125 | Cortical thickness and folding deficits in conduct-disordered adolescents. 2012 , 72, 207-14 | | 97 |
| 1124 | A neural basis for interindividual differences in the McGurk effect, a multisensory speech illusion. <i>NeuroImage</i> , 2012 , 59, 781-7 | 7.9 | 200 |
| 1123 | Attention strongly increases oxygen metabolic response to stimulus in primary visual cortex. <i>NeuroImage</i> , 2012 , 59, 601-7 | 7.9 | 33 |
| 1122 | Abnormal cerebral cortical thinning pattern in adolescent girls with idiopathic scoliosis. <i>NeuroImage</i> , 2012 , 59, 935-42 | 7.9 | 33 |
| 1121 | Reconstruction of flexor and extensor muscle activities from electroencephalography cortical currents. <i>NeuroImage</i> , 2012 , 59, 1324-37 | 7.9 | 46 |
| 1120 | Measuring structural-functional correspondence: spatial variability of specialised brain regions after macro-anatomical alignment. <i>NeuroImage</i> , 2012 , 59, 1369-81 | 7.9 | 213 |
| 1119 | Automated landmark identification for human cortical surface-based registration. <i>NeuroImage</i> , 2012 , 59, 2539-47 | 7.9 | 10 |
| 1118 | Source cancellation profiles of electroencephalography and magnetoencephalography. <i>NeuroImage</i> , 2012 , 59, 2464-74 | 7.9 | 34 |
| 1117 | Stability of resting fMRI interregional correlations analyzed in subject-native space: a one-year longitudinal study in healthy adults and premanifest Huntington's disease. <i>NeuroImage</i> , 2012 , 59, 2452-63 ⁹ | 7.9 | 40 |
| 1116 | Complex relationships between cerebral blood flow and brain atrophy in early Huntington's disease. <i>NeuroImage</i> , 2012 , 59, 1043-51 | 7.9 | 42 |
| 1115 | Maternal history of reading difficulty is associated with reduced language-related gray matter in beginning readers. <i>NeuroImage</i> , 2012 , 59, 3021-32 | 7.9 | 68 |

| | | | |
|------|---|-----|------|
| 1114 | Retinotopic maps and hemodynamic delays in the human visual cortex measured using arterial spin labeling. <i>NeuroImage</i> , 2012 , 59, 4044-54 | 7.9 | 17 |
| 1113 | Simultaneous segmentation and grading of anatomical structures for patient's classification: application to Alzheimer's disease. <i>NeuroImage</i> , 2012 , 59, 3736-47 | 7.9 | 107 |
| 1112 | When do you grasp the idea? MEG evidence for instantaneous idiom understanding. <i>NeuroImage</i> , 2012 , 59, 3502-13 | 7.9 | 104 |
| 1111 | Consistent reconstruction of cortical surfaces from longitudinal brain MR images. <i>NeuroImage</i> , 2012 , 59, 3805-20 | 7.9 | 79 |
| 1110 | A spatiotemporal dynamic distributed solution to the MEG inverse problem. <i>NeuroImage</i> , 2012 , 63, 894-909 | 7.9 | 42 |
| 1109 | The utility of near-infrared spectroscopy in the regression of low-frequency physiological noise from functional magnetic resonance imaging data. <i>NeuroImage</i> , 2012 , 59, 3128-38 | 7.9 | 36 |
| 1108 | Individualized localization and cortical surface-based registration of intracranial electrodes. <i>NeuroImage</i> , 2012 , 59, 3563-70 | 7.9 | 159 |
| 1107 | Functional organization of the left inferior precentral sulcus: dissociating the inferior frontal eye field and the inferior frontal junction. <i>NeuroImage</i> , 2012 , 59, 3829-37 | 7.9 | 44 |
| 1106 | Test-retest variability underlying fMRI measurements. <i>NeuroImage</i> , 2012 , 60, 717-27 | 7.9 | 41 |
| 1105 | Differential effects of surface area, gyrification and cortical thickness on voxel based morphometric deficits in schizophrenia. <i>NeuroImage</i> , 2012 , 60, 693-9 | 7.9 | 97 |
| 1104 | A reliable protocol for the manual segmentation of the human amygdala and its subregions using ultra-high resolution MRI. <i>NeuroImage</i> , 2012 , 60, 1226-35 | 7.9 | 64 |
| 1103 | FreeSurfer. <i>NeuroImage</i> , 2012 , 62, 774-81 | 7.9 | 3773 |
| 1102 | Brain templates and atlases. <i>NeuroImage</i> , 2012 , 62, 911-22 | 7.9 | 299 |
| 1101 | Task by stimulus interactions in brain responses during Chinese character processing. <i>NeuroImage</i> , 2012 , 60, 979-90 | 7.9 | 16 |
| 1100 | Multiple sensitivity profiles to diversity and transition structure in non-stationary input. <i>NeuroImage</i> , 2012 , 60, 991-1005 | 7.9 | 29 |
| 1099 | The time-course of single-word reading: evidence from fast behavioral and brain responses. <i>NeuroImage</i> , 2012 , 60, 1462-77 | 7.9 | 67 |
| 1098 | Combining atlas-based parcellation of regional brain data acquired across scanners at 1.5 T and 3.0 T field strengths. <i>NeuroImage</i> , 2012 , 60, 940-51 | 7.9 | 34 |
| 1097 | Multi-projection magnetic resonance inverse imaging of the human visuomotor system. <i>NeuroImage</i> , 2012 , 61, 304-13 | 7.9 | 6 |

| | | | |
|------|--|-----|-----|
| 1096 | Characteristic cortical thickness patterns in adolescents with autism spectrum disorders: interactions with age and intellectual ability revealed by canonical correlation analysis. <i>NeuroImage</i> , 2012 , 60, 1890-901 | 7.9 | 32 |
| 1095 | Correlates of perceptual awareness in human primary auditory cortex revealed by an informational masking experiment. <i>NeuroImage</i> , 2012 , 61, 62-9 | 7.9 | 36 |
| 1094 | Very large fMRI study using the IMAGEN database: sensitivity-specificity and population effect modeling in relation to the underlying anatomy. <i>NeuroImage</i> , 2012 , 61, 295-303 | 7.9 | 33 |
| 1093 | A multi-modal investigation of behavioral adjustment: post-error slowing is associated with white matter characteristics. <i>NeuroImage</i> , 2012 , 61, 195-205 | 7.9 | 14 |
| 1092 | Disconnectivity of the cortical ocular motor control network in autism spectrum disorders. <i>NeuroImage</i> , 2012 , 61, 1226-34 | 7.9 | 30 |
| 1091 | Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , 2012 , 61, 1428-43 | 7.9 | 117 |
| 1090 | Focal cortical damage parallels cognitive impairment in minimal hepatic encephalopathy. <i>NeuroImage</i> , 2012 , 61, 1165-75 | 7.9 | 31 |
| 1089 | Multisensory speech perception without the left superior temporal sulcus. <i>NeuroImage</i> , 2012 , 62, 1825-32 | 7.9 | 38 |
| 1088 | States of mind: emotions, body feelings, and thoughts share distributed neural networks. <i>NeuroImage</i> , 2012 , 62, 2110-28 | 7.9 | 94 |
| 1087 | Naming impairment in Alzheimer's disease is associated with left anterior temporal lobe atrophy. <i>NeuroImage</i> , 2012 , 63, 348-55 | 7.9 | 72 |
| 1086 | An empirical comparison of surface-based and volume-based group studies in neuroimaging. <i>NeuroImage</i> , 2012 , 63, 1443-53 | 7.9 | 54 |
| 1085 | Consistency and interpretation of changes in millimeter-scale cortical intrinsic curvature across three independent datasets in schizophrenia. <i>NeuroImage</i> , 2012 , 63, 611-21 | 7.9 | 38 |
| 1084 | Benefits of multi-modal fusion analysis on a large-scale dataset: life-span patterns of inter-subject variability in cortical morphometry and white matter microstructure. <i>NeuroImage</i> , 2012 , 63, 365-80 | 7.9 | 96 |
| 1083 | Localization of dense intracranial electrode arrays using magnetic resonance imaging. <i>NeuroImage</i> , 2012 , 63, 157-165 | 7.9 | 75 |
| 1082 | Quantitative mouse brain phenotyping based on single and multispectral MR protocols. <i>NeuroImage</i> , 2012 , 63, 1633-45 | 7.9 | 27 |
| 1081 | A quantitative method for correlating observations of decreased apparent diffusion coefficient with elevated cerebral blood perfusion in newborns presenting cerebral ischemic insults. <i>NeuroImage</i> , 2012 , 63, 1510-8 | 7.9 | 29 |
| 1080 | Neural systems mediating recognition of changes in statistical regularities. <i>NeuroImage</i> , 2012 , 63, 1730-42 | 7.9 | 29 |
| 1079 | Intermodal attention modulates visual processing in dorsal and ventral streams. <i>NeuroImage</i> , 2012 , 63, 1295-304 | 7.9 | 6 |

| | | |
|------|---|---------|
| 1078 | Role of fusiform and anterior temporal cortical areas in facial recognition. <i>NeuroImage</i> , 2012 , 63, 1743-53.9 | 75 |
| 1077 | Disentangling linear and nonlinear brain responses to evoked deep tissue pain. 2012 , 153, 2140-2151 | 45 |
| 1076 | Temporal and frontal cortical thickness associations with M100 auditory activity and attention in healthy controls and individuals with schizophrenia. 2012 , 140, 250-7 | 30 |
| 1075 | Abnormal topological organization of structural brain networks in schizophrenia. 2012 , 141, 109-18 | 97 |
| 1074 | Changes in regional brain volume three months after stroke. 2012 , 322, 122-8 | 49 |
| 1073 | Hippocampal atrophy in Alzheimer's disease. 2012 , 2, 197-209 | 2 |
| 1072 | Clinical applications of imaging disease burden in multiple sclerosis: MRI and advanced imaging techniques. 2012 , 12, 323-33 | 11 |
| 1071 | CSF biomarker associations with change in hippocampal volume and precuneus thickness: implications for the Alzheimer's pathological cascade. 2012 , 6, 599-609 | 37 |
| 1070 | Beta amyloid, tau, neuroimaging, and cognition: sequence modeling of biomarkers for Alzheimer's Disease. 2012 , 6, 610-20 | 46 |
| 1069 | Cortical signatures of cognition and their relationship to Alzheimer's disease. 2012 , 6, 584-98 | 19 |
| 1068 | Voxel and surface-based topography of memory and executive deficits in mild cognitive impairment and Alzheimer's disease. 2012 , 6, 551-67 | 50 |
| 1067 | Cortical thinning in amphetamine-type stimulant users. 2012 , 221, 182-92 | 24 |
| 1066 | SUMA. <i>NeuroImage</i> , 2012 , 62, 768-73 | 7.9 149 |
| 1065 | Multimodal functional and structural imaging investigations in psychosis research. 2012 , 262 Suppl 2, S97-106 | 33 |
| 1064 | The frequency of visually induced β band oscillations depends on the size of early human visual cortex. 2012 , 32, 1507-12 | 54 |
| 1063 | Retinotopic activity in V1 reflects the perceived and not the retinal size of an afterimage. 2012 , 15, 540-2 | 105 |
| 1062 | Brain imaging and hepatic encephalopathy. 2012 , 16, 57-72 | 28 |
| 1061 | Neuroimaging of structural pathology and connectomics in traumatic brain injury: Toward personalized outcome prediction. 2012 , 1, 1-17 | 85 |

| | | |
|------|--|-----|
| 1060 | Functional Neuroimaging in Exercise and Sport Sciences. 2012, | 10 |
| 1059 | Interaction of cortical networks mediating object motion detection by moving observers. 2012, 221, 177-89 | 17 |
| 1058 | Education increases reserve against Alzheimer's disease--evidence from structural MRI analysis. 2012, 54, 929-38 | 117 |
| 1057 | Correlating anterior insula gray matter volume changes in young people with clinical and neurocognitive outcomes: an MRI study. 2012, 12, 45 | 44 |
| 1056 | Neuropsychiatric Dysfunction in Multiple Sclerosis. 2012, | 5 |
| 1055 | Imaging techniques for presurgical evaluation of temporal lobe epilepsy. 2012, 4, 443-459 | 2 |
| 1054 | Regional brain differences in cortical thickness, surface area and subcortical volume in individuals with Williams syndrome. 2012, 7, e31913 | 49 |
| 1053 | Sex matters during adolescence: testosterone-related cortical thickness maturation differs between boys and girls. 2012, 7, e33850 | 121 |
| 1052 | Retinotopic maps, spatial tuning, and locations of human visual areas in surface coordinates characterized with multifocal and blocked fMRI designs. 2012, 7, e36859 | 37 |
| 1051 | Reduced gray to white matter tissue intensity contrast in schizophrenia. 2012, 7, e37016 | 17 |
| 1050 | Brain imaging analysis can identify participants under regular mental training. 2012, 7, e39832 | 12 |
| 1049 | Early brain vulnerability in Wolfram syndrome. 2012, 7, e40604 | 63 |
| 1048 | The influence of socioeconomic status on children's brain structure. 2012, 7, e42486 | 190 |
| 1047 | Theta oscillations are sensitive to both early and late conflict processing stages: effects of alcohol intoxication. 2012, 7, e43957 | 47 |
| 1046 | Hemispherically-unified surface maps of human cerebral cortex: reliability and hemispheric asymmetries. 2012, 7, e45582 | 21 |
| 1045 | A network model of observation and imitation of speech. 2012, 3, 84 | 24 |
| 1044 | Event-Related Theta Power during Lexical-Semantic Retrieval and Decision Conflict is Modulated by Alcohol Intoxication: Anatomically Constrained MEG. 2012, 3, 121 | 30 |
| 1043 | Structural Variation within the Amygdala and Ventromedial Prefrontal Cortex Predicts Memory for Impressions in Older Adults. 2012, 3, 319 | 13 |

| | | | |
|------|---|-----|-----|
| 1042 | Patient-tailored connectomics visualization for the assessment of white matter atrophy in traumatic brain injury. 2012 , 3, 10 | | 49 |
| 1041 | The unique brain anatomy of meditation practitioners: alterations in cortical gyrification. 2012 , 6, 34 | | 121 |
| 1040 | Investigating the features of the m170 in congenital prosopagnosia. 2012 , 6, 45 | | 29 |
| 1039 | Hippocampal volume varies with educational attainment across the life-span. 2012 , 6, 307 | | 90 |
| 1038 | 101 labeled brain images and a consistent human cortical labeling protocol. 2012 , 6, 171 | | 464 |
| 1037 | Measuring abnormal brains: building normative rules in neuroimaging using one-class support vector machines. 2012 , 6, 178 | | 15 |
| 1036 | Network, anatomical, and non-imaging measures for the prediction of ADHD diagnosis in individual subjects. 2012 , 6, 78 | | 42 |
| 1035 | Circular representation of human cortical networks for subject and population-level connectomic visualization. <i>NeuroImage</i> , 2012 , 60, 1340-51 | 7.9 | 107 |
| 1034 | Electrocorticography links human temporoparietal junction to visual perception. 2012 , 15, 957-9 | | 49 |
| 1033 | Magnetic resonance imaging of the substantia nigra in Parkinson's disease. 2012 , 27, 822-30 | | 62 |
| 1032 | Volumetric navigators for prospective motion correction and selective reacquisition in neuroanatomical MRI. 2012 , 68, 389-99 | | 244 |
| 1031 | Regional brain volume reductions relate to facial dysmorphology and neurocognitive function in fetal alcohol spectrum disorders. 2012 , 33, 920-37 | | 79 |
| 1030 | Predicting functional motor potential in chronic stroke patients using diffusion tensor imaging. 2012 , 33, 1040-51 | | 182 |
| 1029 | Spatiotemporal brain mapping of spatial attention effects on pattern-reversal ERPs. 2012 , 33, 1334-51 | | 39 |
| 1028 | Cortical thickness is linked to executive functioning in adulthood and aging. 2012 , 33, 1607-20 | | 77 |
| 1027 | Understanding specific effects of prenatal alcohol exposure on brain structure in young adults. 2012 , 33, 1663-76 | | 45 |
| 1026 | Retinotopic mapping of the peripheral visual field to human visual cortex by functional magnetic resonance imaging. 2012 , 33, 1727-40 | | 40 |
| 1025 | Functional and structural correlates of the aging brain: relating visual cortex (V1) gamma band responses to age-related structural change. 2012 , 33, 2035-46 | | 55 |

| | | |
|------|--|-----|
| 1024 | Brain structural trajectories over the adult lifespan. 2012 , 33, 2377-89 | 149 |
| 1023 | Assessment of cortical degeneration in patients with Parkinson's disease by voxel-based morphometry, cortical folding, and cortical thickness. 2012 , 33, 2521-34 | 146 |
| 1022 | Unbiased comparison of sample size estimates from longitudinal structural measures in ADNI. 2012 , 33, 2586-602 | 73 |
| 1021 | Physiological noise reduction using volumetric functional magnetic resonance inverse imaging. 2012 , 33, 2815-30 | 23 |
| 1020 | Effect of DISC1 SNPs on brain structure in healthy controls and patients with a history of psychosis. 2012 , 159B, 722-30 | 13 |
| 1019 | Changes in the sulcal size associated with autism spectrum disorder revealed by sulcal morphometry. 2012 , 5, 245-52 | 17 |
| 1018 | Binge drinking differentially affects adolescent male and female brain morphometry. 2012 , 220, 529-39 | 143 |
| 1017 | Vivid visual mental imagery in the absence of the primary visual cortex. 2012 , 259, 1062-70 | 46 |
| 1016 | Reducing the interval between volume acquisitions improves "sparse" scanning protocols in event-related auditory fMRI. 2012 , 25, 182-93 | 14 |
| 1015 | Neuroanatomic correlates of psychogenic nonepileptic seizures: a cortical thickness and VBM study. 2012 , 53, 377-85 | 105 |
| 1014 | Magnetic resonance volumetry and spectroscopy of hippocampus and insula in relation to severe exposure of traumatic stress. 2012 , 49, 261-70 | 16 |
| 1013 | Psychological dysregulation, white matter disorganization and substance use disorders in adolescence. 2012 , 107, 206-14 | 48 |
| 1012 | Entorhinal cortical thinning affects perceptual and cognitive functions in adolescents born preterm with very low birth weight (VLBW). 2012 , 88, 103-9 | 36 |
| 1011 | A cross-sectional MRI study of brain regional atrophy and clinical characteristics of temporal lobe epilepsy with hippocampal sclerosis. 2012 , 99, 156-66 | 24 |
| 1010 | Abnormal gray matter aging in chronic pain patients. 2012 , 1456, 82-93 | 60 |
| 1009 | A case-control study on cortical thickness in episodic cluster headache. 2012 , 52, 1362-8 | 22 |
| 1008 | Widespread cortical morphologic changes in juvenile myoclonic epilepsy: evidence from structural MRI. 2012 , 53, 651-8 | 46 |
| 1007 | Brain structure and aging in chronic temporal lobe epilepsy. 2012 , 53, 1033-43 | 34 |

| | | |
|------|---|-----|
| 1006 | Asymmetric cortical surface area and morphology changes in mesial temporal lobe epilepsy with hippocampal sclerosis. 2012 , 53, 995-1003 | 21 |
| 1005 | Cortical abnormalities and their cognitive correlates in patients with temporal lobe epilepsy and interictal psychosis. 2012 , 53, 1077-87 | 18 |
| 1004 | A multivariate twin study of hippocampal volume, self-esteem and well-being in middle-aged men. 2012 , 11, 539-44 | 16 |
| 1003 | Cortical surface mapping using topology correction, partial flattening and 3D shape context-based non-rigid registration for use in quantifying atrophy in Alzheimer's disease. 2012 , 205, 96-109 | 13 |
| 1002 | Cortical surface registration using spherical thin-plate spline with sulcal lines and mean curvature as features. 2012 , 206, 46-53 | 12 |
| 1001 | Uncovering neural independent components from highly artifactual TMS-evoked EEG data. 2012 , 209, 144-57 | 36 |
| 1000 | Degrees of separation: a quantitative neuroimaging meta-analysis investigating self-specificity and shared neural activation between self- and other-reflection. 2012 , 36, 1043-59 | 260 |
| 999 | Memory ability and hippocampal volume in adolescents with prenatal drug exposure. 2012 , 34, 434-41 | 14 |
| 998 | Structural abnormalities in language circuits in genetic high-risk subjects and schizophrenia patients. 2012 , 201, 182-9 | 32 |
| 997 | Brain surface conformal parameterization with the Ricci flow. 2012 , 31, 251-64 | 58 |
| 996 | Entorhinal verrucae correlate with surface geometry. 2012 , 3, | 2 |
| 995 | Gesture in the developing brain. 2012 , 15, 165-80 | 42 |
| 994 | Inconsistency and uncertainty of the human visual area loci following surface-based registration: Probability and Entropy Maps. 2012 , 33, 121-9 | 8 |
| 993 | Atypical developmental trajectory of functionally significant cortical areas in children with chromosome 22q11.2 deletion syndrome. 2012 , 33, 213-23 | 23 |
| 992 | Acute alcohol intoxication impairs top-down regulation of Stroop incongruity as revealed by blood oxygen level-dependent functional magnetic resonance imaging. 2012 , 33, 319-33 | 60 |
| 991 | Individual variability in the shape and amplitude of the BOLD-HRF correlates with endogenous GABAergic inhibition. 2012 , 33, 455-65 | 96 |
| 990 | Structural changes of the brain in rheumatoid arthritis. 2012 , 64, 371-9 | 75 |
| 989 | Hippocampal subregions are differentially affected in the progression to Alzheimer's disease. 2012 , 295, 132-40 | 24 |

| | | |
|-----|---|-----|
| 988 | CETP polymorphisms associate with brain structure, atrophy rate, and Alzheimer's disease risk in an APOE-dependent manner. 2012 , 6, 16-26 | 19 |
| 987 | Reward circuitry function in autism during face anticipation and outcomes. 2012 , 42, 147-60 | 161 |
| 986 | Normal variation in behavioral adjustment relates to regional differences in cortical thickness in children. 2012 , 21, 133-40 | 19 |
| 985 | Quantitative in vivo MRI measurement of cortical development in the fetus. 2012 , 217, 127-39 | 107 |
| 984 | Comparison of vertical and horizontal saccade measures and their relation to gray matter changes in premanifest and manifest Huntington disease. 2012 , 259, 267-76 | 22 |
| 983 | Chronic cigarette smoking in alcohol dependence: associations with cortical thickness and N-acetylaspartate levels in the extended brain reward system. 2013 , 18, 379-91 | 57 |
| 982 | Association between white matter microstructure, executive functions, and processing speed in older adults: the impact of vascular health. 2013 , 34, 77-95 | 102 |
| 981 | Electric field calculations in brain stimulation based on finite elements: an optimized processing pipeline for the generation and usage of accurate individual head models. 2013 , 34, 923-35 | 267 |
| 980 | Probing principles of large-scale object representation: category preference and location encoding. 2013 , 34, 1636-51 | 26 |
| 979 | Interindividual variation in serum cholesterol is associated with regional white matter tissue integrity in older adults. 2013 , 34, 1826-41 | 53 |
| 978 | Sparse current source estimation for MEG using loose orientation constraints. 2013 , 34, 2190-201 | 11 |
| 977 | Neural correlates of visual search in patients with hereditary retinal dystrophies. 2013 , 34, 2607-23 | 16 |
| 976 | Improved prediction of Alzheimer's disease with longitudinal white matter/gray matter contrast changes. 2013 , 34, 2775-85 | 12 |
| 975 | Effects of acute alcohol intoxication on saccadic conflict and error processing. 2013 , 230, 487-97 | 24 |
| 974 | Sex differences in cortical thickness in middle aged and early old-aged adults: Personality and Total Health Through Life study. 2013 , 55, 697-707 | 9 |
| 973 | Atlas-based neuroinformatics via MRI: harnessing information from past clinical cases and quantitative image analysis for patient care. 2013 , 15, 71-92 | 38 |
| 972 | Grey and white matter abnormalities in temporal lobe epilepsy with and without mesial temporal sclerosis. 2013 , 260, 2320-9 | 73 |
| 971 | Progressive Multiple Sclerosis. 2013 , | |

| | | |
|-----|--|--------|
| 970 | fMRI. 2013 , | 3 |
| 969 | Enhanced spontaneous oscillations in the supplementary motor area are associated with sleep-dependent offline learning of finger-tapping motor-sequence task. 2013 , 33, 13894-902 | 55 |
| 968 | Cortical thinning in young psychosis and bipolar patients correlate with common neurocognitive deficits. 2013 , 1, 3 | 26 |
| 967 | The MCIC collection: a shared repository of multi-modal, multi-site brain image data from a clinical investigation of schizophrenia. 2013 , 11, 367-88 | 107 |
| 966 | Multivariate classification of patients with Alzheimer's and dementia with Lewy bodies using high-dimensional cortical thickness measurements: an MRI surface-based morphometric study. 2013 , 260, 1104-15 | 34 |
| 965 | Auditory magnetic response to clicks in children and adults: its components, hemispheric lateralization and repetition suppression effect. 2013 , 26, 410-27 | 17 |
| 964 | The effect of imagination on stimulation: the functional specificity of efference copies in speech processing. 2013 , 25, 1020-36 | 78 |
| 963 | Teichmüller Shape Descriptor and Its Application to Alzheimer's Disease Study. 2013 , 105, 155-170 | 13 |
| 962 | Associations between cortical thickness and general intelligence in children, adolescents and young adults. 2013 , 41, 597-606 | 61 |
| 961 | Altered cortical gyrification patterns in panic disorder: deficits and potential compensation. 2013 , 47, 1446-54 | 12 |
| 960 | Human middle longitudinal fascicle: segregation and behavioral-clinical implications of two distinct fiber connections linking temporal pole and superior temporal gyrus with the angular gyrus or superior parietal lobule using multi-tensor tractography. 2013 , 7, 335-52 | 73 |
| 959 | Gyrification of Broca's region is anomalously lateralized at onset of schizophrenia in adolescence and regresses at 2 year follow-up. 2013 , 147, 39-45 | 32 |
| 958 | Pattern classification precedes region-average hemodynamic response in early visual cortex. <i>NeuroImage</i> , 2013 , 78, 249-60 | 7.9 17 |
| 957 | Cardio-metabolic risk factors and cortical thickness in a neurologically healthy male population: Results from the psychological, social and biological determinants of ill health (pSoBid) study. 2013 , 2, 646-57 | 21 |
| 956 | Cortical thickness, surface area, and gyrification abnormalities in children exposed to maltreatment: neural markers of vulnerability?. 2013 , 74, 845-52 | 145 |
| 955 | Age-related cortical thickness differences in adolescents with early-onset schizophrenia compared with healthy adolescents. 2013 , 214, 190-6 | 27 |
| 954 | Cortical thickness in first-episode schizophrenia patients and individuals at high familial risk: a cross-sectional comparison. 2013 , 151, 259-64 | 63 |
| 953 | fMRI analysis of contrast polarity in face-selective cortex in humans and monkeys. <i>NeuroImage</i> , 2013 , 76, 57-69 | 7.9 10 |

| | | | |
|-----|--|-----|-----|
| 952 | Structural imaging differences and longitudinal changes in primary lateral sclerosis and amyotrophic lateral sclerosis. 2012 , 2, 151-60 | | 59 |
| 951 | Cartography and connectomes. 2013 , 80, 775-90 | | 73 |
| 950 | Mapping subcortical brain maturation during adolescence: evidence of hemisphere- and sex-specific longitudinal changes. 2013 , 16, 772-91 | | 97 |
| 949 | Development of a method to present wide-view visual stimuli in MRI for peripheral visual studies. 2013 , 214, 126-36 | | 19 |
| 948 | Regional cerebral volumes in veterans with current versus remitted posttraumatic stress disorder. 2013 , 213, 193-201 | | 39 |
| 947 | Independent and interactive effects of blood pressure and cardiac function on brain volume and white matter hyperintensities in heart failure. 2013 , 7, 336-43 | | 21 |
| 946 | Modeling trajectories of regional volume loss in progressive supranuclear palsy. 2013 , 28, 1117-24 | | 31 |
| 945 | Intrinsic gray-matter connectivity of the brain in adults with autism spectrum disorder. 2013 , 110, 13222-7 | | 72 |
| 944 | Surface based analysis of diffusion orientation for identifying architectonic domains in the in vivo human cortex. <i>NeuroImage</i> , 2013 , 69, 87-100 | 7.9 | 100 |
| 943 | Detection of correlated sources in EEG using combination of beamforming and surface Laplacian methods. 2013 , 218, 96-102 | | 11 |
| 942 | Engineering Applications of Neural Networks. 2013 , | | 1 |
| 941 | Motor cortex and gait in mild cognitive impairment: a magnetic resonance spectroscopy and volumetric imaging study. 2013 , 136, 859-71 | | 76 |
| 940 | A surface-based analysis of language lateralization and cortical asymmetry. 2013 , 25, 1477-92 | | 142 |
| 939 | Multimodal Brain Image Analysis. 2013 , | | 6 |
| 938 | The utility of magnetoencephalography in the presurgical evaluation of refractory insular epilepsy. 2013 , 54, 1950-9 | | 57 |
| 937 | Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. 2013 , 23, 2724-33 | | 155 |
| 936 | BOLD response to working memory not related to cortical thickness during early adolescence. 2013 , 1537, 59-68 | | 14 |
| 935 | Task-modulated activation and functional connectivity of the temporal and frontal areas during speech comprehension. 2013 , 237, 87-95 | | 21 |

| | | |
|-----|---|---------|
| 934 | Imaging genetics towards discovery neuroscience. 2013 , 1, 227-245 | 15 |
| 933 | The association between higher order abilities, processing speed, and age are variably mediated by white matter integrity during typical aging. 2013 , 51, 1435-44 | 73 |
| 932 | Neural mechanisms of symptom improvements in generalized anxiety disorder following mindfulness training. 2013 , 2, 448-58 | 176 |
| 931 | Comparison of spherical and realistically shaped boundary element head models for transcranial magnetic stimulation navigation. 2013 , 124, 1995-2007 | 65 |
| 930 | From perception to conception: how meaningful objects are processed over time. 2013 , 23, 187-97 | 79 |
| 929 | Regional cortical volume and cognitive functioning following traumatic brain injury. 2013 , 83, 34-44 | 42 |
| 928 | Focal thinning of the motor cortex mirrors clinical features of amyotrophic lateral sclerosis and their phenotypes: a neuroimaging study. 2013 , 260, 2856-64 | 57 |
| 927 | Extent of cortical involvement in amyotrophic lateral sclerosis--an analysis based on cortical thickness. 2013 , 13, 148 | 28 |
| 926 | S1 is associated with chronic low back pain: a functional and structural MRI study. 2013 , 9, 43 | 68 |
| 925 | Brain imaging predictors and the international study to predict optimized treatment for depression: study protocol for a randomized controlled trial. 2013 , 14, 224 | 31 |
| 924 | Alterations in brain structure related to breast cancer and its treatment: chemotherapy and other considerations. 2013 , 7, 374-87 | 47 |
| 923 | Reduced cerebral blood flow and white matter hyperintensities predict poor sleep in heart failure. 2013 , 9, 42 | 13 |
| 922 | Connectivity-based parcellation of the postcentral gyrus using a spectral approach. 2013 , | |
| 921 | Function in the human connectome: task-fMRI and individual differences in behavior. <i>NeuroImage</i> , 2013 , 80, 169-89 | 7-9 779 |
| 920 | Effects of alcohol use initiation on brain structure in typically developing adolescents. 2013 , 39, 345-55 | 82 |
| 919 | Examination of frontal and parietal tectocortical attention pathways in spina bifida meningomyelocele using probabilistic diffusion tractography. 2013 , 3, 512-22 | 15 |
| 918 | Multi-modal magnetic resonance imaging in the acute and sub-acute phase of mild traumatic brain injury: can we see the difference?. 2013 , 30, 2-10 | 86 |
| 917 | The neural activation in human brain for object perception in wide field. 2013 , | |

| | | | |
|-----|--|-----|----|
| 916 | Diffusion characteristic analysis in human visual cortex. 2013 , | | |
| 915 | Novel surface-smoothing based local gyrification index. 2013 , 32, 660-9 | | 21 |
| 914 | Different neural response in human ventral visual cortex for the face and house in a wide visual field. 2013 , | | |
| 913 | Association between psychotic symptoms and cortical thickness reduction across the schizophrenia spectrum. 2013 , 23, 61-70 | | 57 |
| 912 | The desire for healthy limb amputation: structural brain correlates and clinical features of xenomelia. 2013 , 136, 318-29 | | 81 |
| 911 | Synthetic event-related potentials: a computational bridge between neurolinguistic models and experiments. 2013 , 37, 66-92 | | 19 |
| 910 | MRI-based brain structure volumes in temporal lobe epilepsy patients and their unaffected siblings: a preliminary study. 2013 , 23, 64-70 | | 13 |
| 909 | The visual cortex in schizophrenia: alterations of gyrification rather than cortical thickness--a combined cortical shape analysis. 2013 , 218, 51-8 | | 42 |
| 908 | Toward a minimally invasive brain-computer interface using a single subdural channel: a visual speller study. <i>NeuroImage</i> , 2013 , 71, 30-41 | 7.9 | 34 |
| 907 | Independence of early speech processing from word meaning. 2013 , 23, 2370-9 | | 30 |
| 906 | Intracranial volume estimated with commonly used methods could introduce bias in studies including brain volume measurements. <i>NeuroImage</i> , 2013 , 83, 355-60 | 7.9 | 68 |
| 905 | Regional cortical thickness in relapsing remitting multiple sclerosis: A multi-center study. 2012 , 2, 120-31 | | 52 |
| 904 | Diffuse cerebral language representation in tuberous sclerosis complex. 2013 , 104, 125-33 | | 6 |
| 903 | Ricci Flow-based Spherical Parameterization and Surface Registration. 2013 , 117, 1107-1118 | | 6 |
| 902 | Minimum-norm cortical source estimation in layered head models is robust against skull conductivity error. <i>NeuroImage</i> , 2013 , 81, 265-272 | 7.9 | 35 |
| 901 | Poorer physical fitness is associated with reduced structural brain integrity in heart failure. 2013 , 328, 51-7 | | 27 |
| 900 | Effects of sutures and fontanels on MEG and EEG source analysis in a realistic infant head model. <i>NeuroImage</i> , 2013 , 76, 282-93 | 7.9 | 68 |
| 899 | Parallel motion signals to the medial and lateral motion areas V6 and MT+. <i>NeuroImage</i> , 2013 , 67, 89-100.7.9 | | 35 |

| | | | |
|-----|---|-----|-----|
| 898 | Brain function overlaps when people observe emblems, speech, and grasping. 2013 , 51, 1619-29 | | 48 |
| 897 | Cortical thickness changes in the non-lesioned hemisphere associated with non-paretic arm immobilization in modified CI therapy. 2013 , 2, 797-803 | | 12 |
| 896 | The human homologue of macaque area V6A. <i>NeuroImage</i> , 2013 , 82, 517-30 | 7.9 | 106 |
| 895 | Evaluation and calibration of functional network modeling methods based on known anatomical connections. <i>NeuroImage</i> , 2013 , 67, 331-43 | 7.9 | 26 |
| 894 | The neural representation of face space dimensions. 2013 , 51, 1787-93 | | 16 |
| 893 | Failure in developing high-level visual functions after occipitoparietal lesions at an early age: a case study. 2013 , 49, 2689-99 | | 4 |
| 892 | Volumetric changes in cerebellar regions in adolescent idiopathic scoliosis compared with healthy controls. 2013 , 13, 1904-11 | | 16 |
| 891 | Does amyloid deposition produce a specific atrophic signature in cognitively normal subjects?. 2013 , 2, 249-57 | | 35 |
| 890 | Effects of eight weeks of atypical antipsychotic treatment on middle frontal thickness in drug-naïve first-episode psychosis patients. 2013 , 149, 149-55 | | 43 |
| 889 | Overlapping structural and functional brain changes in patients with long-term exposure to fibromyalgia pain. 2013 , 65, 3293-303 | | 130 |
| 888 | The structure of the cerebral cortex across adult life: age-related patterns of surface area, thickness, and gyrification. 2013 , 23, 2521-30 | | 290 |
| 887 | Early visual and auditory processing rely on modality-specific attentional resources. <i>NeuroImage</i> , 2013 , 70, 240-9 | 7.9 | 33 |
| 886 | Early auditory sensory processing of voices is facilitated by visual mechanisms. <i>NeuroImage</i> , 2013 , 77, 237-45 | 7.9 | 32 |
| 885 | Applying tensor-based morphometry to parametric surfaces can improve MRI-based disease diagnosis. <i>NeuroImage</i> , 2013 , 74, 209-30 | 7.9 | 43 |
| 884 | Relationship between excitability, plasticity and thickness of the motor cortex in older adults. <i>NeuroImage</i> , 2013 , 83, 809-16 | 7.9 | 44 |
| 883 | The effects of changing water content, relaxation times, and tissue contrast on tissue segmentation and measures of cortical anatomy in MR images. 2013 , 31, 1709-30 | | 30 |
| 882 | Surface fluid registration of conformal representation: application to detect disease burden and genetic influence on hippocampus. <i>NeuroImage</i> , 2013 , 78, 111-34 | 7.9 | 59 |
| 881 | Minimum norm estimates in MEG can delineate the onset of interictal epileptic discharges: A comparison with ECoG findings. 2013 , 2, 663-9 | | 18 |

| | | | |
|-----|---|-----|-----|
| 880 | Functional and structural aging of the speech sensorimotor neural system: functional magnetic resonance imaging evidence. 2013 , 34, 1935-51 | | 25 |
| 879 | Brain development and aging: overlapping and unique patterns of change. <i>NeuroImage</i> , 2013 , 68, 63-74 | 7.9 | 173 |
| 878 | Decreased gray matter diffusivity: a potential early Alzheimer's disease biomarker?. 2013 , 9, 93-7 | | 27 |
| 877 | Familiarity-based memory as an early cognitive marker of preclinical and prodromal AD. 2013 , 51, 1094-102 | | 45 |
| 876 | Structural asymmetry of anterior insula: behavioral correlates and individual differences. 2013 , 126, 109-22 | | 34 |
| 875 | Structural connectivity of visuotopic intraparietal sulcus. <i>NeuroImage</i> , 2013 , 82, 137-45 | 7.9 | 33 |
| 874 | PET-based confirmation of orientation sensitivity of TMS-induced cortical activation in humans. 2013 , 6, 898-904 | | 36 |
| 873 | Cortical surface area and IQ in very-low-birth-weight (VLBW) young adults. 2013 , 49, 2264-71 | | 57 |
| 872 | Long term cortical plasticity in visual retinotopic areas in humans with silent retinal ganglion cell loss. <i>NeuroImage</i> , 2013 , 81, 222-230 | 7.9 | 18 |
| 871 | The effects of aging and Alzheimer's disease on cerebral cortical anatomy: specificity and differential relationships with cognition. <i>NeuroImage</i> , 2013 , 76, 332-44 | 7.9 | 140 |
| 870 | Hippocampal volume and internalizing behavior problems in adolescence. 2013 , 23, 622-8 | | 24 |
| 869 | fMRI hemodynamics accurately reflects neuronal timing in the human brain measured by MEG. <i>NeuroImage</i> , 2013 , 78, 372-84 | 7.9 | 24 |
| 868 | Interactive effects of chronic cigarette smoking and age on hippocampal volumes. 2013 , 133, 704-11 | | 43 |
| 867 | No evidence for association between bipolar disorder risk gene variants and brain structural phenotypes. 2013 , 151, 291-7 | | 37 |
| 866 | Whole-head rapid fMRI acquisition using echo-shifted magnetic resonance inverse imaging. <i>NeuroImage</i> , 2013 , 78, 325-38 | 7.9 | 22 |
| 865 | Robust estimation of fractal measures for characterizing the structural complexity of the human brain: optimization and reproducibility. <i>NeuroImage</i> , 2013 , 83, 646-57 | 7.9 | 22 |
| 864 | Testing the estrogen hypothesis of schizophrenia: associations between cumulative estrogen exposure and cerebral structural measures. 2013 , 150, 114-20 | | 7 |
| 863 | Consequences of polar form coherence for fMRI responses in human visual cortex. <i>NeuroImage</i> , 2013 , 78, 152-8 | 7.9 | 10 |

| | | | |
|-----|--|-----|-----|
| 862 | Structural abnormalities in cortical volume, thickness, and surface area in 22q11.2 microdeletion syndrome: Relationship with psychotic symptoms. 2013 , 3, 405-15 | | 71 |
| 861 | An automatic rat brain extraction method based on a deformable surface model. 2013 , 218, 72-82 | | 10 |
| 860 | Thicker posterior insula is associated with disease duration in women with irritable bowel syndrome (IBS) whereas thicker orbitofrontal cortex predicts reduced pain inhibition in both IBS patients and controls. 2013 , 14, 1217-26 | | 48 |
| 859 | Fetal glucocorticoid exposure is associated with preadolescent brain development. 2013 , 74, 647-55 | | 125 |
| 858 | A new wavelet transform to sparsely represent cortical current densities for EEG/MEG inverse problems. 2013 , 111, 376-88 | | 16 |
| 857 | Reduced cortical thickness with increased lifetime burden of PTSD in OEF/OIF Veterans and the impact of comorbid TBI. 2013 , 2, 601-11 | | 78 |
| 856 | Neural underpinnings of behavioural strategies that prioritize either cognitive task performance or pain. 2013 , 154, 2060-2071 | | 50 |
| 855 | Cortical systems for local and global integration in discourse comprehension. <i>NeuroImage</i> , 2013 , 71, 59-74 | | 25 |
| 854 | Visual callosal topography in the absence of retinal input. <i>NeuroImage</i> , 2013 , 81, 325-334 | 7.9 | 23 |
| 853 | Topological properties of large-scale structural brain networks in children with familial risk for reading difficulties. <i>NeuroImage</i> , 2013 , 71, 260-74 | 7.9 | 78 |
| 852 | Personality traits in juvenile myoclonic epilepsy: evidence of cortical abnormalities from a surface morphometry study. 2013 , 27, 385-92 | | 18 |
| 851 | System for integrated neuroimaging analysis and processing of structure. 2013 , 11, 91-103 | | 19 |
| 850 | The occipital place area is causally and selectively involved in scene perception. 2013 , 33, 1331-6a | | 180 |
| 849 | Individual variability in functional connectivity architecture of the human brain. 2013 , 77, 586-95 | | 634 |
| 848 | Thalamocortical disconnection in the orbitofrontal region associated with cortical thinning in schizophrenia. 2013 , 70, 12-21 | | 55 |
| 847 | Imaging structural co-variance between human brain regions. 2013 , 14, 322-36 | | 569 |
| 846 | Alzheimer's disease neurodegenerative biomarkers are associated with decreased cognitive function but not Amyloid in cognitively normal older individuals. 2013 , 33, 5553-63 | | 113 |
| 845 | Increased cortical surface area of the left planum temporale in musicians facilitates the categorization of phonetic and temporal speech sounds. 2013 , 49, 2812-21 | | 61 |

| | | | |
|-----|--|-----|------|
| 844 | Combined dementia-risk biomarkers in Parkinson's disease: a prospective longitudinal study. 2013 , 19, 717-24 | | 104 |
| 843 | Predicting obsessive-compulsive disorder severity combining neuroimaging and machine learning methods. 2013 , 150, 1213-6 | | 38 |
| 842 | Cortical surface reconstruction via unified Reeb analysis of geometric and topological outliers in magnetic resonance images. 2013 , 32, 511-30 | | 24 |
| 841 | Recursive grid partitioning on a cortical surface model: an optimized technique for the localization of implanted subdural electrodes. 2013 , 118, 1086-97 | | 59 |
| 840 | Cortical thickness and cognition in very-low-birth-weight late teenagers. 2013 , 89, 371-80 | | 61 |
| 839 | Networks of anatomical covariance. <i>NeuroImage</i> , 2013 , 80, 489-504 | 7.9 | 261 |
| 838 | Sex differences and structural brain maturation from childhood to early adulthood. 2013 , 5, 106-18 | | 135 |
| 837 | Functional brain network organisation of children between 2 and 5 years derived from reconstructed activity of cortical sources of high-density EEG recordings. <i>NeuroImage</i> , 2013 , 82, 595-604 ^{7.9} | | 34 |
| 836 | Representation of contextually related multiple objects in the human ventral visual pathway. 2013 , 25, 1261-9 | | 16 |
| 835 | The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013 , 80, 105-24 ^{7.9} | 7.9 | 2298 |
| 834 | Brain morphometry reproducibility in multi-center 3T MRI studies: a comparison of cross-sectional and longitudinal segmentations. <i>NeuroImage</i> , 2013 , 83, 472-84 | 7.9 | 129 |
| 833 | Model-driven harmonic parameterization of the cortical surface: HIP-HOP. 2013 , 32, 873-87 | | 48 |
| 832 | Genetic variation in GAD1 is associated with cortical thickness in the parahippocampal gyrus. 2013 , 47, 872-9 | | 8 |
| 831 | Gray matter changes following limb amputation with high and low intensities of phantom limb pain. 2013 , 23, 1038-48 | | 54 |
| 830 | Predicting the location of human perirhinal cortex, Brodmann's area 35, from MRI. <i>NeuroImage</i> , 2013 , 64, 32-42 | 7.9 | 59 |
| 829 | The contribution of the left mid-fusiform cortical thickness to Chinese and English reading in a large Chinese sample. <i>NeuroImage</i> , 2013 , 65, 250-6 | 7.9 | 13 |
| 828 | Cortical thickness and central surface estimation. <i>NeuroImage</i> , 2013 , 65, 336-48 | 7.9 | 280 |
| 827 | Good practice for conducting and reporting MEG research. <i>NeuroImage</i> , 2013 , 65, 349-63 | 7.9 | 412 |

| | | | |
|-----|---|-----|-----|
| 826 | Neuronal correlates of the five factor model (FFM) of human personality: Multimodal imaging in a large healthy sample. <i>NeuroImage</i> , 2013 , 65, 194-208 | 7.9 | 163 |
| 825 | Toward reliable characterization of functional homogeneity in the human brain: preprocessing, scan duration, imaging resolution and computational space. <i>NeuroImage</i> , 2013 , 65, 374-86 | 7.9 | 325 |
| 824 | Coevolution of brain structures in amnesic mild cognitive impairment. <i>NeuroImage</i> , 2013 , 66, 449-56 | 7.9 | 24 |
| 823 | Processing of speech and non-speech sounds in the supratemporal plane: auditory input preference does not predict sensitivity to statistical structure. <i>NeuroImage</i> , 2013 , 66, 318-32 | 7.9 | 39 |
| 822 | The overlap of the EBA and the MT/V5 cluster. <i>NeuroImage</i> , 2013 , 66, 412-25 | 7.9 | 41 |
| 821 | Statistical analysis of longitudinal neuroimage data with Linear Mixed Effects models. <i>NeuroImage</i> , 2013 , 66, 249-60 | 7.9 | 218 |
| 820 | The structural, connectomic and network covariance of the human brain. <i>NeuroImage</i> , 2013 , 66, 489-99 | 7.9 | 26 |
| 819 | Cortex-based inter-subject analysis of iEEG and fMRI data sets: application to sustained task-related BOLD and gamma responses. <i>NeuroImage</i> , 2013 , 66, 457-68 | 7.9 | 13 |
| 818 | Longitudinal working memory development is related to structural maturation of frontal and parietal cortices. 2013 , 25, 1611-23 | | 86 |
| 817 | The role of transverse occipital sulcus in scene perception and its relationship to object individuation in inferior intraparietal sulcus. 2013 , 25, 1711-22 | | 31 |
| 816 | Development of risk taking: contributions from adolescent testosterone and the orbito-frontal cortex. 2013 , 25, 2141-50 | | 75 |
| 815 | Machine Learning in Medical Imaging. 2013 , | | 12 |
| 814 | Structural Magnetic Resonance Imaging in an adult cohort following prenatal and early postnatal exposure to tetrachloroethylene (PCE)-contaminated drinking water. 2013 , 38, 13-20 | | 6 |
| 813 | Selective brain gray matter atrophy associated with APOE ϵ 4 and MAPT H1 in subjects with mild cognitive impairment. 2013 , 33, 1009-19 | | 17 |
| 812 | Multistrukture large deformation diffeomorphic brain registration. 2013 , 60, 544-53 | | 14 |
| 811 | Spatiotemporal linear mixed effects modeling for the mass-univariate analysis of longitudinal neuroimage data. <i>NeuroImage</i> , 2013 , 81, 358-370 | 7.9 | 84 |
| 810 | Disrupted white matter connectivity is associated with reduced cortical thickness in the cingulate cortex in schizophrenia. 2013 , 49, 722-9 | | 26 |
| 809 | Evidence for distinct human auditory cortex regions for sound location versus identity processing. 2013 , 4, 2585 | | 40 |

| | | |
|-----|--|-----|
| 808 | The adverse impact of type 2 diabetes on brain volume in heart failure. 2013 , 35, 309-18 | 12 |
| 807 | Cortical pitch regions in humans respond primarily to resolved harmonics and are located in specific tonotopic regions of anterior auditory cortex. 2013 , 33, 19451-69 | 98 |
| 806 | Prediction of Alzheimer's disease and mild cognitive impairment using cortical morphological patterns. 2013 , 34, 3411-25 | 161 |
| 805 | Distinct laterality alterations distinguish mild cognitive impairment and Alzheimer's disease from healthy aging: statistical parametric mapping with high resolution MRI. 2013 , 34, 3400-10 | 48 |
| 804 | Cognitive decline after stroke: relation to inflammatory biomarkers and hippocampal volume. 2013 , 44, 1433-5 | 47 |
| 803 | Increased gyrification, but comparable surface area in adolescents with autism spectrum disorders. 2013 , 136, 1956-67 | 100 |
| 802 | Peripheral blood HIV DNA is associated with atrophy of cerebellar and subcortical gray matter. 2013 , 80, 1792-9 | 55 |
| 801 | Language lateralization represented by spatiotemporal mapping of magnetoencephalography. 2013 , 34, 558-63 | 36 |
| 800 | Brain surface anatomy in adults with autism: the relationship between surface area, cortical thickness, and autistic symptoms. 2013 , 70, 59-70 | 154 |
| 799 | Altered contextual modulation of primary visual cortex responses in schizophrenia. 2013 , 38, 2607-12 | 41 |
| 798 | GRIN2B gene and associated brain cortical white matter changes in bipolar disorder: a preliminary combined platform investigation. 2013 , 2013, 635131 | 5 |
| 797 | Quantification and discrimination of abnormal sulcal patterns in polymicrogyria. 2013 , 23, 3007-15 | 29 |
| 796 | Coaxial anisotropy of cortical point spread in human visual areas. 2013 , 33, 1143-56a | 5 |
| 795 | Socioeconomic deprivation and cortical morphology: psychological, social, and biological determinants of ill health study. 2013 , 75, 616-23 | 33 |
| 794 | Impact of brain aging and neurodegeneration on cognition: evidence from MRI. 2013 , 26, 640-5 | 21 |
| 793 | Interhemispheric functional connectivity following prenatal or perinatal brain injury predicts receptive language outcome. 2013 , 33, 5612-25 | 21 |
| 792 | Functional and structural brain modifications induced by oculomotor training in patients with age-related macular degeneration. 2013 , 4, 428 | 23 |
| 791 | Role of right pregenual anterior cingulate cortex in self-conscious emotional reactivity. 2013 , 8, 468-74 | 81 |

| | | |
|-----|--|-----|
| 790 | Neocortical correlates of vibrotactile detection in humans. 2013 , 25, 49-61 | 8 |
| 789 | Cortical folding defects as markers of poor treatment response in first-episode psychosis. 2013 , 70, 1031-40 | 82 |
| 788 | A fast statistical significance test for baseline correction and comparative analysis in phase locking. 2013 , 7, 3 | 4 |
| 787 | Cerebellar asymmetry and its relation to cerebral asymmetry estimated by intrinsic functional connectivity. 2013 , 109, 46-57 | 78 |
| 786 | Medial and lateral networks in anterior prefrontal cortex support metacognitive ability for memory and perception. 2013 , 33, 16657-65 | 193 |
| 785 | Speech versus song: multiple pitch-sensitive areas revealed by a naturally occurring musical illusion. 2013 , 23, 249-54 | 56 |
| 784 | Surface-based laminar analysis of diffusion abnormalities in cortical and white matter layers in neocortical epilepsy. 2013 , 54, 667-77 | 16 |
| 783 | Integration of XNAT/PACS, DICOM, and Research Software for Automated Multi-modal Image Analysis. 2013 , 8674, | 14 |
| 782 | Early adolescent cortical thinning is related to better neuropsychological performance. 2013 , 19, 962-70 | 56 |
| 781 | Decreased white matter integrity in neuropsychologically defined mild cognitive impairment is independent of cortical thinning. 2013 , 19, 925-37 | 23 |
| 780 | Hippocampal volume as marker of daily life stress sensitivity in psychosis. 2013 , 43, 1377-87 | 34 |
| 779 | The ANTs cortical thickness processing pipeline. 2013 , | 12 |
| 778 | Surface anatomical profile of the cerebral cortex in obsessive-compulsive disorder: a study of cortical thickness, folding and surface area. 2013 , 43, 1081-91 | 34 |
| 777 | Gray matter structure and morphosyntax within a spoken narrative in typically developing children and children with high functioning autism. 2013 , 38, 461-80 | 3 |
| 776 | Hyperbolic Harmonic Mapping for Constrained Brain Surface Registration. 2013 , | 16 |
| 775 | Medial temporal cortices in ex vivo magnetic resonance imaging. 2013 , 521, 4177-88 | 16 |
| 774 | Identification of pleiotropic genetic effects on obesity and brain anatomy. 2013 , 75, 136-43 | 18 |
| 773 | A connectionist approach to mapping the human connectome permits simulations of neural activity within an artificial brain. 2014 , 4, 40-52 | 6 |

| | | |
|-----|--|-----|
| 772 | Bipolar II disorder is associated with thinning of prefrontal and temporal cortices involved in affect regulation. 2013 , 15, 855-64 | 47 |
| 771 | The adverse effects of reduced cerebral perfusion on cognition and brain structure in older adults with cardiovascular disease. 2013 , 3, 626-36 | 67 |
| 770 | Area Preserving Brain Mapping. 2013 , | 13 |
| 769 | Symptom validity testing in memory clinics: Hippocampal-memory associations and relevance for diagnosing mild cognitive impairment. 2013 , 35, 59-70 | 23 |
| 768 | Automated MRI segmentation for individualized modeling of current flow in the human head. 2013 , 10, 066004 | 105 |
| 767 | Genetic topography of brain morphology. 2013 , 110, 17089-94 | 143 |
| 766 | Topographic representation of an occluded object and the effects of spatiotemporal context in human early visual areas. 2013 , 33, 16992-7007 | 28 |
| 765 | Vowel category boundaries enhance cortical and behavioral responses to speech feedback alterations. 2013 , 33, 12090-8 | 81 |
| 764 | Oscillatory phase dynamics in neural entrainment underpin illusory percepts of time. 2013 , 33, 15799-809 | 34 |
| 763 | The human cerebral cortex flattens during adolescence. 2013 , 33, 15004-10 | 81 |
| 762 | Cortical atrophy in presymptomatic Alzheimer's disease presenilin 1 mutation carriers. 2013 , 84, 556-61 | 38 |
| 761 | Implementation of a beam forming technique in real-time magnetoencephalography. 2013 , 12, 331-41 | 7 |
| 760 | Early auditory change detection implicitly facilitated by ignored concurrent visual change during a Braille reading task. 2013 , 12, 385-99 | 2 |
| 759 | Dynamic cortical activity during the perception of three-dimensional object shape from two-dimensional random-dot motion. 2013 , 12, 355-67 | 8 |
| 758 | Functional organization of human posterior parietal cortex: grasping- and reaching-related activations relative to topographically organized cortex. 2013 , 109, 2897-908 | 91 |
| 757 | Estrategias para mejorar la visualizaci3n de lesiones en pacientes con epilepsia refractaria. 2013 , 24, 958-972 | 1 |
| 756 | Left atrial size is independently associated with cognitive function. 2013 , 123, 544-52 | 9 |
| 755 | Load dependence of α and β oscillations predicts individual capacity of visual attention. 2013 , 33, 19023-33 | 40 |

| | | |
|-----|---|-----|
| 754 | Intracortical myelin links with performance variability across the human lifespan: results from T1- and T2-weighted MRI myelin mapping and diffusion tensor imaging. 2013 , 33, 18618-30 | 180 |
| 753 | Is there an association between cortical thickness, age of onset, and duration of illness in schizophrenia?. 2013 , 18, 315-21 | 14 |
| 752 | Quantifying Brain Morphology Using Structural Imaging. 2013 , 3-39 | |
| 751 | Abnormal affective decision making revealed in adolescent binge drinkers using a functional magnetic resonance imaging study. 2013 , 27, 443-54 | 84 |
| 750 | Through a glass darkly: some insights on change talk via magnetoencephalography. 2013 , 27, 489-500 | 23 |
| 749 | A brief history of voxel-based grey matter analysis in Alzheimer's disease. 2014 , 38, 647-59 | 24 |
| 748 | Stereological Estimation of Brain Volume and Surface Area from MR Images. 2013 , 1-26 | |
| 747 | Brain structure in preclinical Huntington's disease: a multi-method approach. 2013 , 12, 13-22 | 17 |
| 746 | Increased Rostral Anterior Cingulate Cortex Volume in Chronic Primary Insomnia. 2013 , 36, 991-998 | 82 |
| 745 | Redundancy gains in retinotopic cortex. 2013 , 110, 2227-35 | 5 |
| 744 | The representation of tool and non-tool object information in the human intraparietal sulcus. 2013 , 109, 2883-96 | 59 |
| 743 | The impact of limbic system morphology on facial emotion recognition in bipolar I disorder and healthy controls. 2013 , 9, 743-51 | 5 |
| 742 | An engineering view on megatrends in radiology: digitization to quantitative tools of medicine. 2013 , 14, 139-53 | 4 |
| 741 | Uso de volumetría y carga lesional en el seguimiento de pacientes con esclerosis múltiple: Experiencia local y revisión de la literatura. 2013 , 19, 156-164 | 1 |
| 740 | The development of visual areas depends differently on visual experience. 2013 , 8, e53784 | 42 |
| 739 | Fovea-periphery axis symmetry of surround modulation in the human visual system. 2013 , 8, e57906 | 3 |
| 738 | Heritability of subcortical volumetric traits in mesial temporal lobe epilepsy. 2013 , 8, e61880 | 15 |
| 737 | Using high angular resolution diffusion imaging data to discriminate cortical regions. 2013 , 8, e63842 | 28 |

| | | |
|-----|--|-----|
| 736 | Visual interactions conform to pattern decorrelation in multiple cortical areas. 2013 , 8, e68046 | 4 |
| 735 | Cortical thinning and clinical heterogeneity in amyotrophic lateral sclerosis. 2013 , 8, e80748 | 57 |
| 734 | Altered topological organization of cortical network in adolescent girls with idiopathic scoliosis. 2013 , 8, e83767 | 11 |
| 733 | Anatomical correlates of cognitive functions in early Parkinson's disease patients. 2013 , 8, e64222 | 42 |
| 732 | A Genome-Wide Association Study Suggests Novel Loci Associated with a Schizophrenia-Related Brain-Based Phenotype. 2013 , 8, e64872 | 19 |
| 731 | Embedding and publishing interactive, 3-dimensional, scientific figures in Portable Document Format (PDF) files. 2013 , 8, e69446 | 49 |
| 730 | Processing of complex distracting sounds in school-aged children and adults: evidence from EEG and MEG data. 2013 , 4, 717 | 23 |
| 729 | The role of apolipoprotein E (APOE) genotype in early mild cognitive impairment (E-MCI). 2013 , 5, 11 | 110 |
| 728 | Posterior cortical atrophy: an investigation of scan paths generated during face matching tasks. 2013 , 7, 309 | 9 |
| 727 | Plasticity in the Visual System is Associated with Prosthesis Use in Phantom Limb Pain. 2013 , 7, 311 | 19 |
| 726 | Task modulation of brain responses in visual word recognition as studied using EEG/MEG and fMRI. 2013 , 7, 376 | 31 |
| 725 | Graph theory reveals dysconnected hubs in 22q11DS and altered nodal efficiency in patients with hallucinations. 2013 , 7, 402 | 52 |
| 724 | The envirome and the connectome: exploring the structural noise in the human brain associated with socioeconomic deprivation. 2013 , 7, 722 | 16 |
| 723 | Decreased frontal gyrification correlates with altered connectivity in children with autism. 2013 , 7, 750 | 99 |
| 722 | Auditory selective attention reveals preparatory activity in different cortical regions for selection based on source location and source pitch. 2012 , 6, 190 | 53 |
| 721 | Rapid and efficient localization of depth electrodes and cortical labeling using free and open source medical software in epilepsy surgery candidates. 2013 , 7, 260 | 18 |
| 720 | MEG and EEG data analysis with MNE-Python. 2013 , 7, 267 | 802 |
| 719 | Combined diffusion-weighted and functional magnetic resonance imaging reveals a temporal-occipital network involved in auditory-visual object processing. 2013 , 7, 5 | 35 |

| | | |
|-----|--|----|
| 718 | Structural brain neuroimaging changes in obstructive sleep apnea. 248-255 | |
| 717 | Motor Parkinson's disease and structure. 26-43 | |
| 716 | Imaging causes and consequences of insomnia and sleep complaints. 187-196 | 1 |
| 715 | Cortical morphology changes in women with borderline personality disorder: a multimodal approach. 2014 , 36, 32-8 | 8 |
| 714 | Adolescent brain maturation and cortical folding: evidence for reductions in gyrification. 2014 , 9, e84914 | 76 |
| 713 | The clinical impact of cerebellar grey matter pathology in multiple sclerosis. 2014 , 9, e96193 | 38 |
| 712 | Effect of intrinsic and extrinsic factors on global and regional cortical thickness. 2014 , 9, e96429 | 17 |
| 711 | Parallel Distributed Networks Resolved at High Resolution Reveal Close Juxtaposition of Distinct Regions. | |
| 710 | Emotionotopy in the Human Right Temporo-Parietal Cortex. | |
| 709 | Multi-modal Latent Factor Exploration of Atrophy, Cognitive and Tau Heterogeneity in Alzheimer's Disease. | 1 |
| 708 | ciftify: A framework for surface-based analysis of legacy MR acquisitions. | 0 |
| 707 | MEG/EEG Data Analysis Using EEGLAB. 2019 , 1-16 | |
| 706 | Surface-Based Tracking of U-Fibers in the Superficial White Matter. 2019 , 538-546 | 0 |
| 705 | VGF in cerebrospinal fluid, when combined with conventional biomarkers, enhances prediction of conversion from mild cognitive impairment to Alzheimer's Disease. | |
| 704 | Cortical Thickness and Subcortical Volumes in Adolescent Synthetic Cannabinoid Users with or Without ADHD: a Preliminary Study. 2019 , 56, 167-172 | 1 |
| 703 | A GWAS-Derived Polygenic Score for Interleukin-1βs Associated with Hippocampal Volume in Two Samples. | |
| 702 | Genetic Risk for Rheumatoid Arthritis is Associated with Increased Striatal Volume in Healthy Young Adults. | |
| 701 | MEG/EEG Data Analysis Using EEGLAB. 2019 , 391-406 | 1 |

- 700 Evaluating Invasive EEG Implantations in Medically Refractory Epilepsy with Functional Scalp EEG Recordings and Structural Imaging Data.
- 699 The representational space of observed actions. 0
- 698 Increased hippocampal excitability and altered learning dynamics mediate cognitive mapping deficits in human aging.
- 697 Corticolimbic Circuit Structure Moderates an Association Between Early Life Stress and Later Trait Anxiety.
- 696 Charting shared developmental trajectories of cortical thickness and structural connectivity in childhood and adolescence.
- 695 Body-map proto-organization in newborn macaques. 0
- 694 COALIA: a computational model of human EEG for consciousness research. 1
- 693 Target of selective auditory attention can be robustly followed with MEG. 1
- 692 Population receptive fields of human primary visual cortex organised as DC-balanced bandpass filters.
- 691 Data-driven models reveal the organization of diverse cognitive functions in the brain.
- 690 Targeting Age-Related Differences in Brain and Cognition with Multimodal Imaging and Connectome Topography Profiling. 0
- 689 Image processing approaches to enhance perivascular space visibility and quantification using MRI. 1
- 688 Myelination of major white matter tracts continues beyond childhood combining tractography and myelin water imaging. 1
- 687 Volumetric and microstructural regional changes of the hippocampus underlying development of extended delay long-term memory. 1
- 686 Spectral partitioning identifies individual heterogeneity in the functional network topography of ventral and anterior medial prefrontal cortex.
- 685 Time of day is associated with paradoxical reductions in global signal fluctuation and functional connectivity.
- 684 Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. 3
- 683 Cross-modal Suppression of Auditory Association Cortex by Visual Speech as a Mechanism for Audiovisual Speech Perception.

- 682 Pilot Study: An Ocular Biomarker for Diagnosis of Attention Deficit Hyperactivity Disorder. **2019**, 16, 370-378 1
- 681 Myelin development in visual scene-network tracts beyond late childhood: A multimethod neuroimaging study.
- 680 Stratifying major depressive disorder by polygenic risk for schizophrenia in relation to structural brain measures.
- 679 Neural correlates of conscious visual perception lie outside the visual system: evidence from the double-drift illusion.
- 678 Probabilistic representation in human visual cortex reflects uncertainty in serial decisions. 0
- 677 On-scalp MEG SQUIDS are sensitive to early somatosensory activity unseen by conventional MEG. 0
- 676 Multimodal fusion of structural and functional brain imaging in depression using linked independent component analysis.
- 675 Normative cerebral cortical thickness for human visual areas.
- 674 Atypical MEG inter-subject correlation during listening to continuous natural speech in dyslexia.
- 673 Spatial attention enhances cortical tracking of quasi-rhythmic visual stimuli.
- 672 Posterior hippocampal spindle-ripples co-occur with neocortical theta-bursts and down-upstates, and phase-lock with parietal spindles during NREM sleep in humans. 0
- 671 Cortical remodelling in childhood is associated with genes enriched for neurodevelopmental disorders.
- 670 Comparison of human population receptive field estimates between scanners and the effect of temporal filtering.
- 669 Coordination of human hippocampal sharpwave-ripples during NREM sleep with cortical theta bursts, spindles, downstates and upstates. 0
- 668 Variations in Brain Morphometry Among Healthy Preschoolers Born Very Preterm.
- 667 Atypical neuromagnetic resting activity associated with thalamic volume and cognitive outcome in very preterm children.
- 666 Altered visual population receptive fields in human albinism. 0
- 665 Salient images: Evidence for a component process architecture for visual imagination.

- 664 Dynamic time-locking mechanism in the cortical representation of spoken words.
- 663 Cortical auditory distance representation based on direct-to-reverberant energy ratio.
- 662 Mental operations in rhythm: motor-to-sensory transformation mediates imagined singing.
- 661 Increases in structural shortest path lengths provide information about the distal neurophysiological consequences of focal brain lesions.
- 660 Comparison of human population receptive field estimates between scanners and the effect of temporal filtering. **2019**, 8, 1681 1
- 659 Brain dynamics for confidence-weighted learning. 0
- 658 Putting the brain in a box: a toolbox for creating Cartesian Geometric Representations with Isometric Dimensions (Cgrids). 0
- 657 Mapping sequences can bias population receptive field estimates. 1
- 656 Comparison of beamformer implementations for MEG source localization. 0
- 655 Enhancing fMRI language lateralization indices by homotopic mapping.
- 654 Reliability of single-subject neural activation patterns in speech production tasks.
- 653 Reconstructing lost BOLD signal in individual participants using deep machine learning. 1
- 652 Estimating brain age from structural MRI and MEG data: Insights from dimensionality reduction techniques.
- 651 Sex differences in Variability of Brain Structure Across the Lifespan. 1
- 650 Functional magnetic resonance imaging of regional impaired cerebrovascular reactivity for migraineurs in the interictal state.
- 649 Detection of interictal epileptiform discharges: A comparison of on-scalp MEG and conventional MEG measurements.
- 648 A/T/N polygenic risk score for cognitive decline in old age. 1
- 647 Combining electrophysiology with MRI enhances learning of surrogate-biomarkers.

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|-----|---|---|
| 646 | Cerebrovascular reactivity assessment with O ₂ -CO ₂ exchange ratio under brief breath hold challenge. | |
| 645 | Dynamic Brain-Body Coupling of Breath-by-Breath O ₂ -CO ₂ Exchange Ratio with Resting State Cerebral Hemodynamic Fluctuations. | 0 |
| 644 | Myeloarchitecture gradients in the human insula serve as blueprints for its diverse connectivity and function. | 1 |
| 643 | Testing relationships between multimodal modes of brain structural variation and age, sex and polygenic scores for neuroticism in children and adolescents. | |
| 642 | Cortical thickness and formal thought disorder in schizophrenia: An ultra high-field network-based morphometry study. | |
| 641 | CerebrA: Accurate registration and manual label correction of Mindboggle-101 atlas for MNI-ICBM152 template. | 0 |
| 640 | A Deep Transfer Learning Framework for 3D Brain Imaging Based on Optimal Mass Transport. 2020 , 169-176 | |
| 639 | Functional biological paths altered in Alzheimer's disease: from genes to bile acids. | |
| 638 | Delay-period activity in frontal, parietal, and occipital cortex tracks different attractor dynamics in visual working memory. | |
| 637 | Resting state fluctuations underlie free and creative verbal behaviors in the human brain. | 2 |
| 636 | Fear learning sculpts functional brain connectivity at rest beyond the traditional fear network in humans. | |
| 635 | Child specific activation in left auditory cortex predicts behavioral performance in inhibition tasks. | |
| 634 | Distinct large-scale networks are associated with motor and nonmotor symptoms in Parkinson's disease. | 0 |
| 633 | Object-based attentional selection emerges late in visual cortical hierarchy for objects of varying perceptual strengths. | 1 |
| 632 | RAVE: comprehensive open-source software for reproducible analysis and visualization of intracranial EEG data. | 1 |
| 631 | Anatomical correlates of face patches in macaque inferotemporal cortex. | |
| 630 | Attentional compensation in neurodegenerative diseases: the model of premanifest Huntington's disease mutation carriers. | |
| 629 | Dynamic Time-Locking Mechanism in the Cortical Representation of Spoken Words. 2020 , 7, | 2 |

| | | | |
|-----|---|-----|---|
| 628 | The influence of axial length upon the retinal ganglion cell layer of the human eye. | | |
| 627 | Convergence of modality invariance and attention selectivity in the cortical semantic circuit. | | 1 |
| 626 | Reduced intra- and inter-individual diversity of semantic representations in the brains of schizophrenia patients. | | 1 |
| 625 | Interictal epileptiform discharges in focal epilepsy are preceded by a gradual increase in low-frequency oscillations. | | |
| 624 | The developing relations between networks of cortical myelin and neurophysiological connectivity. | | |
| 623 | Sleep-dependent offline performance gain in visual perceptual learning is consistent with a learning-dependent model. | | 1 |
| 622 | A comparative analysis of automated MRI brain segmentation in a large longitudinal dataset: Freesurfer vs. FSL. | | 0 |
| 621 | Behavioral correlates of cortical semantic representations modeled by word vectors. | | |
| 620 | A Population Receptive Field Model of the Magnetoencephalography Response. | | |
| 619 | Collegiate athlete brain data for white matter mapping and network neuroscience. | | |
| 618 | Combining Noninvasive Electromagnetic and Hemodynamic Measures of Human Brain Activity. 2021 , 179-193 | | 1 |
| 617 | Hypothalamus volume in men: Investigating associations with paternal status, self-reported caregiving beliefs, and adult attachment style. 2021 , 1-14 | | 0 |
| 616 | A Riemannian approach to predicting brain function from the structural connectome. | | 0 |
| 615 | Finger representations in primary somatosensory cortex are modulated during vibrotactile working memory. | | |
| 614 | Neural representations of ensemble coding in the occipital and parietal cortices. <i>NeuroImage</i> , 2021 , 245, 118680 | 7.9 | 0 |
| 613 | Three major dimensions of human brain cortical ageing in relation to cognitive decline across the 8th decade of life. | | 2 |
| 612 | Structural Methods in Gray Matter. 2020 , 3-26 | | |
| 611 | The Influence of Phenotyping Method on Structural Neuroimaging Associations with Depression in UK Biobank. | | 1 |

- 610 Mapping the human auditory cortex using spectrotemporal receptive fields generated with magnetoencephalography.
- 609 Flaws in Data Binning for Population Receptive Field Analyses.
- 608 Association between brain morphometry and aerobic fitness level and sex in healthy emerging adults. **2020**, 15, e0242738 0
- 607 Abnormalities of Cortical Thickness in Pediatric Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. **2020**, 16, 1095-1104
- 606 White matter pathways underlying Chinese semantic and phonological fluency in mild cognitive impairment. **2020**, 149, 107671 1
- 605 Surface-based analysis of the developing cerebral cortex. **2021**, 287-307
- 604 Long-term air pollution, noise, and structural measures of the Default Mode Network in the brain: Results from the 1000BRAINS cohort. **2022**, 239, 113867 1
- 603 The Perirhinal, Entorhinal, and Parahippocampal Cortices and Hippocampus: An Overview of Functional Anatomy and Protocol for Their Segmentation in MR Images. **2020**, 355-383 0
- 602 Multimodal Imaging of Cerebral Microhemorrhages and White Matter Degradation in Geriatric Patients with Mild Traumatic Brain Injury. **2020**, 2144, 223-236 0
- 601 Dispersion of functional gradients across the lifespan. 7
- 600 Decoding non-conscious thought representations during successful thought suppression.
- 599 Cortical abnormalities and identification for first-episode schizophrenia via high-resolution magnetic resonance imaging.
- 598 Bulcus Sink A Compact Binary and Semi-Automated Inverse Dijkstra-based System for Describing Sulcal Trajectories. 0
- 597 A multimodal computational pipeline for 3D histology of the human brain. 0
- 596 Prefrontal responses during proactive and reactive inhibition are differentially impacted by stress in anorexia and bulimia nervosa.
- 595 Structure of population activity in primary motor cortex for single finger flexion and extension. 0
- 594 Altered functional connectivity of cortical networks in semantic variant Primary Progressive Aphasia.
- 593 Gray Matter alterations in MS and CIS: a Coordinate based Meta-analysis and regression.

- 592 Auditory features modelling reveals sound envelope representation in striate cortex. 0
- 591 Neuropsychiatric copy number variants exert shared effects on human brain structure. 1
- 590 High β Activity in Cortex and Hippocampus Is Correlated with Autonomic Tone during Sleep. **2021**, 8, 0
- 589 Multilevel neural gradients reflect transdiagnostic effects of major psychiatric conditions on cortical morphology. 0
- 588 A new tripartite landmark in posterior cingulate cortex. 0
- 587 State-of-the-Art Machine Learning Techniques for Diagnosis of Alzheimer's Disease from MR-Images: A Systematic Review. 1 0
- 586 Basal ganglia correlates of wellbeing in early adolescence. **2022**, 1774, 147710 0
- 585 Effects of upgrading acquisition-techniques and harmonization methods: A multi-modal MRI study with implications for longitudinal designs. 0
- 584 The role of negative emotions in sex differences in pain sensitivity. *NeuroImage*, **2021**, 245, 118685 7.9 2
- 583 Surface-Based Connectivity Integration. 0
- 582 Musical skills can be decoded from magnetic resonance images. 0
- 581 ASSOCIATIONS OF AGE, BODY MASS INDEX, AND BIOCHEMICAL PARAMETERS WITH BRAIN MORPHOLOGY IN PATIENTS WITH ANOREXIA NERVOSA. 0
- 580 PhyloBrain atlas: a cortical brain MRI atlas following a phylogenetic approach. 0
- 579 Restoration of the Sphere-Cortex Homeomorphism. **2006**, 286-290 0
- 578 Multi-Scale Analysis of Brain Surface Data. **2008**, 255-263 0
- 577 A Fast Mesh Deformation Method for Neuroanatomical Surface Inflated Representations. **2007**, 75-86 0
- 576 Guiding functional near-infrared spectroscopy optode-layout design using individual (f)MRI data: Effects on signal quality and sensitivity. 0
- 575 The cerebellar clock: predicting and timing somatosensory touch. 0

- 574 Sex differences in lifespan trajectories and variability of human sulcal and gyral morphology.
- 573 Development of attention networks from childhood to young adulthood: A study of performance, intraindividual variability and cortical thickness.
- 572 Hearing loss is associated with gray matter differences in older adults at risk for and with Alzheimer's disease.
- 571 Neural silences can be localized rapidly using noninvasive scalp EEG.
- 570 Quantitative assessment on the severity degree of Alzheimer dementia by algebraic analysis on cortical thickness profiles of human brains.
- 569 Attention reinforces human corticofugal system to aid speech perception in noise.
- 568 The neural circuitry underlying the rhythm effect in stuttering.
- 567 Neural substrates of verbal repetition deficits in primary progressive aphasia.
- 566 Visual speech differentially modulates beta, theta, and high gamma bands in auditory cortex. 1
- 565 A hybrid high-resolution anatomical MRI atlas with sub-parcellation of cortical gyri using resting fMRI. 1
- 564 Interacting effects of frontal lobe neuroanatomy and working memory capacity to older listeners' speech recognition in noise. 0
- 563 Relating neural oscillations to laminar fMRI connectivity.
- 562 Improved cortical surface reconstruction using sub-millimeter resolution MPRAGE by image denoising.
- 561 An Examination of Sustained Versus Transient Distressing Psychotic-Like Experiences Using Adolescent Brain Cognitive DevelopmentSM Study Data. 0
- 560 Bridging brain and cognition: A multilayer network analysis of brain structural covariance and general intelligence in a developmental sample of struggling learners.
- 559 Microstructural underpinnings and macroscale functional implications of temporal lobe connectivity gradients.
- 558 Deep transfer learning of brain shape morphometry predicts Body Mass Index (BMI) in the UK Biobank. 2020,
- 557 Comparison Between Conventional SQUID Based and Novel OPM Based Measuring Systems in MEG. 2021, 254-261 1

| | | |
|-----|---|----|
| 556 | Contrasting the brain imaging features of MOG-Antibody disease, with AQP4- Antibody NMOSD and Multiple Sclerosis. | 0 |
| 555 | Method for combining information from white matter fiber tracking and gray matter parcellation. 2004 , 25, 1318-24 | 28 |
| 554 | Structural neuroimaging in the detection and prognosis of pre-clinical and early AD. 2009 , 21, 3-12 | 21 |
| 553 | Head position in the MEG helmet affects the sensitivity to anterior sources. 2004 , 2004, 30 | 19 |
| 552 | Functional Geometry Alignment and Localization of Brain Areas. 2010 , 1, 1225-1233 | 15 |
| 551 | Structural and connectomic neuroimaging for the personalized study of longitudinal alterations in cortical shape, thickness and connectivity after traumatic brain injury. 2014 , 58, 129-44 | 22 |
| 550 | Mediterranean Diet and Magnetic Resonance Imaging-Assessed Brain Atrophy in Cognitively Normal Individuals at Risk for Alzheimer's Disease. 2014 , 1, 23-32 | 75 |
| 549 | Pattern Visualization of Human Connectome Data. 2012 , 2012, 78-83 | |
| 548 | fMRI-Based Inter-Subject Cortical Alignment Using Functional Connectivity. 2009 , 22, 378-386 | 14 |
| 547 | Genetic underpinnings of left superior temporal gyrus thickness in patients with schizophrenia. 2015 , 1-11 | 5 |
| 546 | Neuroanatomic Variations in Graves' Dysthyroid Ophthalmopathy as Studied With MRI. 2016 , 114, T9 | 6 |
| 545 | Surface fluid registration and multivariate tensor-based morphometry in newborns - the effects of prematurity on the putamen. 2012 , 2012, | 3 |
| 544 | Racial Variation in the Association between Childhood Depression and Frontal Pole Volume among American Children. 2020 , 5, 121-140 | |
| 543 | Clinical features and brain structural changes in magnetic resonance imaging in Alzheimer's disease patients with apathy. 2020 , 12, 19083-19094 | |
| 542 | Surface-based Tracking of U-fibers in the Superficial White Matter. 2019 , 11766, 538-546 | |
| 541 | Curved-surface projection: an alternative method for visualizing functional MR imaging results. 2003 , 24, 1045-8 | 3 |
| 540 | Regional Gray Matter Volume Related to High Occupational Stress in Firefighters.. 2021 , 36, e335 | 1 |
| 539 | Altered Structural Covariance of Insula, Cerebellum and Prefrontal Cortex Is Associated with Somatic Symptom Levels in Irritable Bowel Syndrome (IBS).. 2021 , 11, | 0 |

| | | |
|-----|--|----|
| 538 | Individual variations in 'brain age' relate to early-life factors more than to longitudinal brain change. 2021 , 10, | 11 |
| 537 | Altered structural brain networks in linguistic variants of frontotemporal dementia. 2021 , 1 | 0 |
| 536 | Prefrontal abnormalities, executive dysfunction and symptoms severity are modulated by COMT Val158Met polymorphism in first episode psychosis. 2021 , | 0 |
| 535 | Highly accurate retinotopic maps of the physiological blind spot in human visual cortex. | |
| 534 | Population receptive fields of human primary visual cortex organised as DC-balanced bandpass filters. 2021 , 11, 22423 | |
| 533 | Persistent and distressing psychotic-like experiences using adolescent brain cognitive developmentSM study data. 2021 , | 1 |
| 532 | Correcting Cardiorespiratory Noise in Resting-state Functional MRI Data Acquired in Critically Ill Patients. | |
| 531 | Altered Brain Structure and Spontaneous Functional Activity in Children With Concomitant Strabismus. 2021 , 15, 777762 | 0 |
| 530 | Multimodal cerebral imaging study on the effects of "Adjust Zang Dredge Meridian" electroacupuncture on cerebral central sensitization in PDPN patients: a study protocol for a sham-controlled, randomized trial. 2021 , 22, 799 | |
| 529 | Cerebral Structural Abnormalities and Their Associations With Peripheral Cytokine Levels in a Group of Untreated Patients With Nasopharyngeal Carcinoma.. 2021 , 11, 740033 | |
| 528 | Mesosopic Quantification of Cortical Architecture in the Living Human Brain. | 2 |
| 527 | Insights from an autism imaging biomarker challenge: promises and threats to biomarker discovery. | 0 |
| 526 | Network-wise surface-based morphometric insight into the cortical neural circuitry underlying irritability in adolescents. 2021 , 11, 581 | |
| 525 | The Unique Cytoarchitecture and Wiring of the Human Default Mode Network. | 1 |
| 524 | An extended Human Connectome Project multimodal parcellation atlas of the human cortex and subcortical areas. 2021 , 1 | 7 |
| 523 | Heritability of hippocampal functional and microstructural organisation. | |
| 522 | Existence of Functional Connectome Fingerprint During Infancy and Its Stability Over Months. 2021 , | 1 |
| 521 | Temporal order of signal propagation within and across intrinsic brain networks. 2021 , 118, | 0 |

| | | |
|-----|--|-----|
| 520 | Correlations between sleep disturbance and brain cortical morphometry in healthy children. 2021 , 5, | 1 |
| 519 | Mapping cortico-subcortical sensitivity to 4 Hz amplitude modulation depth in human auditory system with functional MRI. <i>NeuroImage</i> , 2021 , 118745 | 7.9 |
| 518 | Not so fast: Limited validity of deep convolutional neural networks as in silico models for human naturalistic face processing. | 0 |
| 517 | Generation of Infant-dedicated Fine-grained Functional Parcellation Maps of Cerebral Cortex. | 0 |
| 516 | Morphometry and functional connectivity of auditory cortex in school-age children with profound language disabilities: Five comparative case studies. 2021 , 155, 105822 | |
| 515 | Contributions of chronic tobacco smoking to HIV-associated brain atrophy and cognitive deficits. 2021 , | 0 |
| 514 | Microstructural Properties of Human Brain Revealed by Fractional Anisotropy Can Predict the After-Effect of Intermittent Theta Burst Stimulation.. 2022 , 3, tgab065 | |
| 513 | Spherical Demons Registration of Spherical Surfaces. 2010 , | |
| 512 | Volumetric Parameterization of the Placenta to a Flattened Template. 2021 , PP, | 1 |
| 511 | Mechanical Affective Touch Therapy for Anxiety Disorders: Effects on Resting State Functional Connectivity.. 2022 , | 1 |
| 510 | Aging-Related Changes in Cortical Sources of Sleep Oscillatory Neural Activity Following Motor Learning Reflect Contributions of Cortical Thickness and Pre-sleep Functional Activity.. 2021 , 13, 787654 | 0 |
| 509 | Neural Correlates of Traumatic Brain Injury in Women Survivors of Intimate Partner Violence: A Structural and Functional Connectivity Neuroimaging Study.. 2022 , 37, E30-E38 | 4 |
| 508 | neuromaps: structural and functional interpretation of brain maps. | 3 |
| 507 | Clinical features and brain structural changes in magnetic resonance imaging in Alzheimer’s disease patients with apathy. 2020 , 12, 19083-19094 | 2 |
| 506 | Racial Variation in the Association between Childhood Depression and Frontal Pole Volume among American Children. 2020 , 5, p121 | |
| 505 | Neurite density imaging in amygdala nuclei reveals interindividual differences in neuroticism.. 2022 , | 1 |
| 504 | Cortical thickness systematically varies with curvature and depth in healthy human brains.. 2022 , | 2 |
| 503 | The effects of epigenetic age and its acceleration on surface area, cortical thickness, and volume in young adults.. 2022 , | 0 |

| | | |
|-----|---|---|
| 502 | Comprehensive diffusion MRI dataset for in vivo human brain microstructure mapping using 300 mT/m gradients.. 2022 , 9, 7 | 1 |
| 501 | Integrating Transcriptomics, Genomics, and Imaging in Alzheimer's Disease: A Federated Model. 2022 , 1, | |
| 500 | Neural Representations of Conceptual Fixation during Creative Imagination. 1-17 | 0 |
| 499 | Sleep-dependent facilitation of visual perceptual learning is consistent with a learning-dependent model.. 2022 , | 0 |
| 498 | The Role of Structure MRI in Diagnosing Autism.. 2022 , 12, | 3 |
| 497 | Beta-amyloid moderates the relationship between cortical thickness and attentional control in middle- and older-aged adults.. 2022 , 112, 181-190 | 1 |
| 496 | Whole-brain connectivity during encoding: age-related differences and associations with cognitive and brain structural decline.. 2022 , | 1 |
| 495 | Effect of head motion-induced artefacts on the reliability of deep learning-based whole-brain segmentation.. 2022 , 12, 1618 | 0 |
| 494 | On the clinical benefit of on-scalp MEG: A modeling study of on-scalp MEG epileptic activity source estimation ability. | |
| 493 | Adverse childhood experiences predict neurite density differences in young children with and without attention deficit hyperactivity disorder.. 2022 , 64, e22234 | 0 |
| 492 | Increased insula activity precedes the formation of subjective Gestalt. | |
| 491 | Efficient learning in children with rapid GABA boosting after training. | |
| 490 | Distinct Roles for the Anterior Temporal Lobe and Angular Gyrus in the Spatiotemporal Cortical Semantic Network.. 2022 , | 1 |
| 489 | Pre- and Post-therapy Risk Factors for Vasculopathy in Pediatric Craniopharyngioma Patients Treated with Surgery and Proton Radiotherapy.. 2022 , | 0 |
| 488 | Structural changes to primary visual cortex in the congenital absence of cone input in achromatopsia.. 2021 , 33, 102925 | 1 |
| 487 | Longitudinal mapping of cortical surface changes in Huntington's Disease.. 2022 , 1 | 0 |
| 486 | High-fidelity fast volumetric brain MRI using synergistic wave-controlled aliasing in parallel imaging and a hybrid denoising generative adversarial network (HDnGAN).. 2021 , | 2 |
| 485 | Investigating Simultaneity for Deep Learning-Enhanced Actual Ultra-Low-Dose Amyloid PET/MR Imaging.. 2022 , | |

| | | | |
|-----|---|-----|---|
| 484 | Multiscale structural mapping of Alzheimer's disease neurodegeneration.. 2022 , 33, 102948 | | 0 |
| 483 | Amateur singing benefits speech perception in aging under certain conditions of practice: behavioural and neurobiological mechanisms.. 2022 , 227, 943 | | 1 |
| 482 | Does obesity-associated insulin resistance affect brain structure and function of adolescents differentially by sex?. 2021 , 319, 111417 | | 1 |
| 481 | Sex-specific alterations of cortical morphometry in treatment-naïve patients with major depressive disorder.. 2022 , | | 0 |
| 480 | Associations between Cortical Thickness and Metamemory in Alzheimer's Disease.. 2022 , 1 | | 0 |
| 479 | Cortical development coupling between surface area and sulcal depth on macaque brains.. 2022 , 227, 1013 | | 0 |
| 478 | Substance-Specific and Shared Gray Matter Signatures in Alcohol, Opioid, and Polysubstance Use Disorder.. 2021 , 12, 795299 | | 0 |
| 477 | Neuroanatomical Correlates of Perceived Stress Controllability in Adolescents and Emerging Adults.. 2022 , 1 | | 0 |
| 476 | A Comparison of Three Brain Atlases for Temporal Lobe Epilepsy Prediction. 2022 , 42, 11 | | |
| 475 | Brain pathology and cognitive scores prior to onset of late-life depression.. 2022 , 37, | | 1 |
| 474 | Late responses in the anterior insula reflect the cognitive component of pain: evidence of nonpain processing.. 2022 , 7, e984 | | 1 |
| 473 | Effects of diffusion signal modeling and segmentation approaches on subthalamic nucleus parcellation.. <i>NeuroImage</i> , 2022 , 250, 118959 | 7.9 | 0 |
| 472 | Sex differences in cognitive resilience in preclinical autosomal-dominant Alzheimer's disease carriers and non-carriers: Baseline findings from the API ADAD Colombia Trial.. 2022 , | | 2 |
| 471 | Spatial Bayesian GLM on the cortical surface produces reliable task activations in individuals and groups.. <i>NeuroImage</i> , 2022 , 249, 118908 | 7.9 | 1 |
| 470 | ciftiTools: A package for reading, writing, visualizing, and manipulating CIFTI files in R.. <i>NeuroImage</i> , 2022 , 250, 118877 | 7.9 | 1 |
| 469 | Altered cortical structure network in children with obstructive sleep apnea.. 2022 , | | 0 |
| 468 | Sex differences in cortical thickness and diffusion properties in patients with traumatic brain injury: a pilot study.. 2022 , 1-15 | | 0 |
| 467 | Let's face it: The lateralization of the face perception network as measured with fMRI is not clearly right dominant. | | 1 |

| | | | |
|-----|--|-----|---|
| 466 | Temporal dynamics of the neural representation of hue and luminance polarity.. 2022 , 13, 661 | | 0 |
| 465 | Changes to hypothalamic volume and associated subfields during gender-affirming hormone treatment in gender dysphoria. | | |
| 464 | Brain structural and functional correlates to defense-related inhibition of muscle sympathetic nerve activity in man.. 2022 , 12, 1990 | | 0 |
| 463 | The spike-and-slab elastic net as a classification tool in Alzheimer's disease.. 2022 , 17, e0262367 | | 0 |
| 462 | Periodic/Aperiodic Parameterization of Transient Oscillations (PAPTO): Implications for Healthy Ageing.. <i>NeuroImage</i> , 2022 , 251, 118974 | 7.9 | 4 |
| 461 | Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging.. 2021 , | | 1 |
| 460 | Advantages of Using Both Voxel- and Surface-based Morphometry in Cortical Morphology Analysis: A Review of Various Applications.. 2022 , 21, | | 4 |
| 459 | Network controllability mediates the relationship between rigid structure and flexible dynamics. 2022 , 6, 275-297 | | 0 |
| 458 | Long-term learning transforms prefrontal cortex selectivity during working memory. | | 0 |
| 457 | Longitudinal grey matter development associated with psychotic experiences in young people. 2022 , | | |
| 456 | Fast and functionally specific cortical thickness changes induced by visual stimulation. | | |
| 455 | Machine learning classification of schizophrenia patients and healthy controls using diverse neuroanatomical markers and Ensemble methods.. 2022 , 12, 2755 | | 1 |
| 454 | Processing speed dysfunction is associated with functional corticostriatal circuit alterations in childhood epilepsy with centrottemporal spikes: a PET and fMRI study.. 2022 , 1 | | 2 |
| 453 | Multimodal investigation of the association between shift work and the brain in a population-based sample of older adults.. 2022 , 12, 2969 | | 2 |
| 452 | Association between amyloid-beta deposition and cortical thickness in dementia with Lewy bodies.. 2022 , 48674221081773 | | |
| 451 | Infant Formula Supplemented With Milk Fat Globule Membrane, Long-Chain Polyunsaturated Fatty Acids, and Synbiotics Is Associated With Neurocognitive Function and Brain Structure of Healthy Children Aged 6 Years: The COGNIS Study.. 2022 , 9, 820224 | | 1 |
| 450 | Worry Modifies the Relationship between Locus Coeruleus Activity and Emotional Mnemonic Discrimination.. 2022 , 12, | | |
| 449 | Gray-Matter Morphometry of Internalizing-Symptom Dimensions During Adolescence. 216770262110710 | | 0 |

| | | |
|-----|--|---|
| 448 | Neuroimaging within the Dominantly Inherited Alzheimer β Network (DIAN): PET and MRI. | 1 |
| 447 | Minimal phrase composition revealed by intracranial recordings.. 2022, | 3 |
| 446 | Personalised structural connectomics for moderate-to-severe traumatic brain injury. | 0 |
| 445 | Disease correlates of rim lesions on quantitative susceptibility mapping in multiple sclerosis.. 2022, 12, 4411 | 2 |
| 444 | Fast cortical surface reconstruction from MRI using deep learning.. 2022, 9, 6 | |
| 443 | Subgroups of Eating Behavior Traits Independent of Obesity Defined Using Functional Connectivity and Feature Representation Learning. | 0 |
| 442 | Radiomics-Based Artificial Intelligence Differentiation of Neurodegenerative Diseases with Reference to the Volumetry.. 2022, 12, | 0 |
| 441 | Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity.. 2022, 8, eabj1812 | 1 |
| 440 | Reduced cortical volume of the default mode network in adolescents with generalized anxiety disorder.. 2022, | 0 |
| 439 | Cortical Short-Range Fiber Connectivity and Its Association With Deep Brain White Matter Hyperintensities in Older Diabetic People With Low Serum Vitamin B.. 2022, 14, 754997 | |
| 438 | Diffeomorphic registration for retinotopic maps of multiple visual regions.. 2022, 1 | 0 |
| 437 | Midsagittal corpus callosal thickness and cognitive impairment in Parkinson's disease.. 2022, | 0 |
| 436 | Longitudinal Allometry of Sulcal Morphology in Health and Schizophrenia.. 2022, | |
| 435 | The human primary visual cortex (V1) encodes the perceived position of static but not moving objects.. 2022, 5, 181 | 1 |
| 434 | Structural architecture and brain network efficiency links polygenic scores to intelligence. | 0 |
| 433 | Prefrontal Cortical Thickness, Emotion Regulation Strategy use and Covid-19 Mental Health.. 2022, | 0 |
| 432 | Cerebellar Grey Matter Volumes in Reactive Aggression and Impulsivity in Healthy Volunteers.. 2022, 1 | 1 |
| 431 | The Effect of Inter-pulse Interval on TMS Motor Evoked Potentials in Active Muscles.. 2022, 16, 845476 | 0 |

| | | | |
|-----|--|-----|---|
| 430 | Higher white matter hyperintensity load adversely affects pre-post proximal cognitive training performance in healthy older adults.. 2022 , 1 | | |
| 429 | Serum NFL in Alzheimer Dementia: Results of the Prospective Dementia Registry Austria.. 2022 , 58, | | 0 |
| 428 | Low Subicular Volume as an Indicator of Dementia-Risk Susceptibility in Old Age.. 2022 , 14, 811146 | | 1 |
| 427 | Multifaceted Atlases of the Human Brain in its Infancy. | | |
| 426 | Functional Parcellation of the Hippocampus based on its Layer-specific Connectivity with Default Mode and Dorsal Attention Networks.. <i>NeuroImage</i> , 2022 , 119078 | 7.9 | 0 |
| 425 | Musicianship-Related Structural and Functional Cortical Features Are Preserved in Elderly Musicians.. 2022 , 14, 807971 | | 0 |
| 424 | Lower glutamate and GABA levels in auditory cortex of tinnitus patients: a 2D-JPRESS MR spectroscopy study.. 2022 , 12, 4068 | | 2 |
| 423 | Morphological patterns and spatial probability maps of the superior parietal sulcus in the human brain.. 2022 , | | 1 |
| 422 | Do aggregate, multimodal structural neuroimaging measures replicate regional developmental differences observed in highly cited cellular histological studies?. 2022 , 54, 101086 | | |
| 421 | Disrupted local beta band networks in schizophrenia revealed through graph analysis: A magnetoencephalography study.. 2022 , | | 1 |
| 420 | Cortical Volume in the Right Cingulate Cortex Mediates the Increase of Self-Control From Young Adult to Middle-Aged.. 2022 , 16, 723786 | | 0 |
| 419 | Cortical Myelination in Toddlers and Preschoolers with Autism Spectrum Disorder.. 2022 , | | 0 |
| 418 | Longitudinal associations between social media use, mental well-being and structural brain development across adolescence.. 2022 , 54, 101088 | | 2 |
| 417 | Montreal Cognitive Assessment (MoCA) performance in Huntington's disease patients correlates with cortical and caudate atrophy.. 2022 , 10, e12917 | | |
| 416 | Interictal epileptiform discharges in focal epilepsy are preceded by increase in low-frequency oscillations.. 2022 , 136, 191-205 | | 2 |
| 415 | Association of cognitive impairment and reduced cortical thickness in prefrontal cortex and anterior cingulate cortex with treatment-resistant depression.. 2022 , 1 | | 0 |
| 414 | Patterns of a structural covariance network associated with dispositional optimism during late adolescence.. <i>NeuroImage</i> , 2022 , 119009 | 7.9 | 1 |
| 413 | A hybrid high-resolution anatomical MRI atlas with sub-parcellation of cortical gyri using resting fMRI.. 2022 , 109566 | | 1 |

| | | |
|-----|--|-------|
| 412 | Test-retest reliability of FreeSurfer-derived volume, area and cortical thickness from MPRAGE and MP2RAGE brain MRI images. 2022 , 2, 100086 | 0 |
| 411 | Associations between cognitive impairment and cortical thickness alterations in patients with euthymic and depressive bipolar disorder.. 2022 , 322, 111462 | |
| 410 | Longitudinal Chinese Population Structural Fetal Brain Atlases Construction: toward precise fetal brain segmentation. 2021 , 2021, 2745-2749 | |
| 409 | Electric Field Comparison for TMS Using Different Neuroimaging Segmentation Methods. 2021 , 2021, 6565-6568 | |
| 408 | The genetic architecture of human cortical folding.. 2021 , 7, eabj9446 | 0 |
| 407 | MEG-Derived Symptom-Sensitive Biomarkers with Long-Term Test-Retest Reliability.. 2021 , 12, | 1 |
| 406 | Alzheimer's vulnerable brain region relies on a distinct retromer core dedicated to endosomal recycling.. 2021 , 37, 110182 | 4 |
| 405 | Effects of unhealthy alcohol use on brain morphometry and neurocognitive function among people with HIV. 2021 , | 0 |
| 404 | Increased structural covariance in brain regions for number processing and memory in children with developmental dyscalculia.. 2021 , | 1 |
| 403 | Longitudinal Changes in Cortical Thickness in Adolescents with Autism Spectrum Disorder and Their Association with Restricted and Repetitive Behaviors.. 2021 , 12, | 1 |
| 402 | The retrocalcarine sulcus maps different retinotopic representations in macaques and humans.. 2021 , 1 | 0 |
| 401 | Spatial Probability Maps of the Segments of the Postcentral Sulcus in the Human Brain.. 2021 , | 0 |
| 400 | Preserved representations and decodability of diverse cognitive functions across the cortex, cerebellum, and subcortex. | 0 |
| 399 | Associations Between MRI-Assessed Locus Coeruleus Integrity and Cortical Gray Matter Microstructure.. 2021 , | 0 |
| 398 | Neurocomputational mechanisms underlying the subjective value of information.. 2021 , 4, 1346 | 0 |
| 397 | Cascade process mediated by left hippocampus and left superior frontal gyrus affects relationship between aging and cognitive dysfunction. 2021 , 22, 75 | 0 |
| 396 | Benchmarking Geometric Deep Learning for Cortical Segmentation and Neurodevelopmental Phenotype Prediction. | 3 |
| 395 | Using diffusion MRI data acquired with ultra-high gradient strength to improve tractography in routine-quality data. <i>NeuroImage</i> , 2021 , 245, 118706 | 7.9 2 |

- 394 Customized radiofrequency phased-array coil combining transmit-only, receive-only, and transmit/receive coils for magnetic resonance imaging of visual cortex at 7 Tesla. **2022**, 1-1
- 393 Functional connectivity and neurotransmitter impairments of the salience brain network in chronic low back pain patients: a combined resting state functional MRI and 1H-MRS study.. **2022**, 0
- 392 Association of functional connectivity of the executive control network or default mode network with cognitive impairment in older adults with remitted major depressive disorder or mild cognitive impairment.. **2022**,
- 391 Alternations and Applications of the Structural and Functional Connectome in Gliomas: A Mini-Review.. **2022**, 16, 856808 1
- 390 Similarity-Based Multimodal Regression.
- 389 Psychological Resilience and Neurodegenerative Risk: A Connectomics-Transcriptomics Investigation in Healthy Adolescent and Middle-Aged Females.. *NeuroImage*, **2022**, 119209 7.9 0
- 388 Assessing TMS-evoked cognitive network responses depending on neurocognitive and oscillatory brain state: A simultaneous TMS-EEG-fMRI project.
- 387 Structural neuroimaging measures and lifetime depression across levels of phenotyping in UK biobank.. **2022**, 12, 157 1
- 386 Differences in electric field strength between clinical and non-clinical populations induced by prefrontal tDCS: A cross-diagnostic, individual MRI-based modeling study.. **2022**, 34, 103011 0
- 385 Development of the Mentalizing Network Structures and Theory of Mind in Extremely Preterm Youth.. **2022**, 0
- 384 Age-related changes in the neural mechanics of dynamic auditory attention in time. 0
- 383 Accelerated longitudinal cortical atrophy in OEF/OIF/OND veterans with severe PTSD and the impact of comorbid TBI.. **2022**, 0
- 382 PET/MRI in the Presurgical Evaluation of Patients with Epilepsy: A Concordance Analysis. **2022**, 10, 949 0
- 381 Insights from an autism imaging biomarker challenge: promises and threats to biomarker discovery.. *NeuroImage*, **2022**, 119171 7.9 1
- 380 Presentation_1.PDF. **2018**,
- 379 Image_1.TIFF. **2019**,
- 378 Image_2.TIFF. **2019**,
- 377 Table_1.DOCX. **2019**,

376 Table1.pdf. **2018,**

375 Table2.pdf. **2018,**

374 data_sheet_1.xlsx. **2018,**

373 data_sheet_2.xlsx. **2018,**

372 Data_Sheet_1.PDF. **2020,**

371 Data_Sheet_2.pdf. **2020,**

370 Image_1.TIFF. **2019,**

369 Image_2.TIF. **2019,**

368 Table_1.xlsx. **2019,**

367 Table_2.xlsx. **2019,**

366 Table_3.xlsx. **2019,**

365 Table_4.xlsx. **2019,**

364 Table_5.xlsx. **2019,**

363 Table_6.xlsx. **2019,**

362 Table_7.xlsx. **2019,**

361 Data_Sheet_1.docx. **2019,**

360 Table_1.DOCX. **2018,**

359 Image1.TIFF. **2018,**

358 Data_Sheet_1.DOCX. 2020,

357 Image_1.TIF. 2018,

356 Image_2.TIF. 2018,

355 Image_3.TIF. 2018,

354 Image_1.pdf. 2018,

353 Presentation_1.pdf. 2018,

352 Data_Sheet_1.PDF. 2019,

351 Data_Sheet_1.pdf. 2020,

350 Image_1.TIFF. 2020,

349 Image_2.TIF. 2020,

348 Data_Sheet_1.docx. 2019,

347 Data_Sheet_1.PDF. 2019,

346 Table_1.DOCX. 2020,

345 Data_Sheet_1.docx. 2019,

344 Data_Sheet_1.PDF. 2020,

343 Data_Sheet_1.docx. 2018,

342 Table_1.DOCX. 2018,

341 Table_2.DOCX. 2018,

340 Table_3.DOCX. 2018,

339 Table_4.DOCX. 2018,

338 Table_5.DOCX. 2018,

337 Table_1.pdf. 2020,

336 Table_1.DOCX. 2020,

335 Data_Sheet_1.PDF. 2020,

334 Data_Sheet_1.pdf. 2020,

333 Table_1.DOC. 2020,

332 Data_Sheet_1.docx. 2020,

331 DataSheet_1.docx. 2020,

330 Data_Sheet_1.docx. 2018,

329 Table_1.docx. 2020,

328 DataSheet_1.docx. 2020,

327 DataSheet_1.docx. 2020,

326 Table_1.docx. 2019,

325 Table_1.docx. 2018,

324 Table_2.docx. 2018,

323 Table_3.docx. 2018,

| | | |
|-----|---|---|
| 322 | Bringing Anatomical Information into Neuronal Network Models.. 2022 , 1359, 201-234 | 2 |
| 321 | Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study.. 2022 , 13, 2217 | 3 |
| 320 | Developmental differences in neuromagnetic cortical activation and phase synchrony elicited by scenes with faces during movie watching.. 2022 , | |
| 319 | OUP accepted manuscript. | 0 |
| 318 | OUP accepted manuscript. | 0 |
| 317 | Functional Specialization of Parallel Distributed Networks Revealed by Analysis of Trial-to-Trial Variation in Processing Demands. | |
| 316 | Activity in the Fronto-Parietal and Visual Cortex Is Modulated by Feature-Based Attentional Weighting.. 2022 , 16, 838683 | |
| 315 | Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. 2022 , 20, e3001627 | 1 |
| 314 | Impact of HIV and recreational drugs on cognitive functions in young men having sex with men. | |
| 313 | Advanced Brain-Age in Psychotic Psychopathology: Evidence for Transdiagnostic Neurodevelopmental Origins.. 2022 , 14, 872867 | 0 |
| 312 | Relationship between cerebrospinal fluid neurodegeneration biomarkers and temporal brain atrophy in cognitively healthy older adults.. 2022 , 116, 80-91 | 2 |
| 311 | A Transformer-based Multi-features Fusion Model for Prediction of Conversion in Mild Cognitive Impairment.. 2022 , | 1 |
| 310 | Magnetoencephalography Language Mapping Using Auditory Memory Retrieval and Silent Repeating Task.. 2022 , | |
| 309 | Differences in Cortical Thickness in Schizophrenia Patients With and Without Auditory Verbal Hallucinations. 2022 , 15, | |
| 308 | Feasibility of FreeSurfer Processing for T1-Weighted Brain Images of 5-Year-Olds: Semiautomated Protocol of FinnBrain Neuroimaging Lab.. 2022 , 16, 874062 | 1 |
| 307 | Morphometric features of drug-resistant essential tremor and recovery after stereotactic radiosurgical thalamotomy. 1-42 | |
| 306 | Reduced asymmetry of the hand knob area and decreased sensorimotor u-fiber connectivity in middle-aged adults with autism. 2022 , | 0 |
| 305 | Grey Matter Hypertrophy and Atrophy in Early-Blind Adolescents: A Surface-Based Morphometric Study.. 2022 , 2022, 8550714 | |

- 304 Increased insula activity precedes the formation of subjective illusory Gestalt.. *NeuroImage*, **2022**, 119289.9 ○
- 303 Data-Driven Analyses of Longitudinal Hippocampal Imaging Trajectories: Discrimination and Biomarker Prediction of Change Classes.. **2022**,
- 302 SCN1A overexpression, associated with a genomic region marked by a risk variant for a common epilepsy, raises seizure susceptibility.. **2022**, ○
- 301 Variability of regional glucose metabolism and the topology of functional networks in the human brain.. *NeuroImage*, **2022**, 119280 7.9 ○
- 300 Deep Learning Achieves Neuroradiologist-Level Performance in Detecting Hydrocephalus Requiring Treatment.. **2022**,
- 299 Association of Brain Atrophy With Disease Progression Independent of Relapse Activity in Patients With Relapsing Multiple Sclerosis.. **2022**, 1
- 298 Graph Theoretical Analysis of Structural Covariance Reveals the Relevance of Visuospatial and Attentional Areas in Essential Tremor Recovery After Stereotactic Radiosurgical Thalamotomy. **2022**, 14, ○
- 297 Food for thought: selectivity for food in human ventral visual cortex. 1
- 296 Changes in oscillations in anterior cingulate and medial prefrontal cortex are associated with altered signatures of Bayesian predictive coding in trait anxiety.
- 295 Variation in glutamate and GABA genes and their association with brain structure and chemistry in autism.
- 294 Structural alterations of amygdala and hypothalamus contribute to catatonia. **2022**, ○
- 293 Dopamine synthesis capacity and gamma-aminobutyric acid - and glutamate levels separate antipsychotic-naïve patients with first-episode psychosis from healthy control subjects in a multimodal prediction model. **2022**, ○
- 292 Decoding Individual Differences in Mental Information from Human Brain Response Predicted by Convolutional Neural Networks.
- 291 Topological Maps and Brain Computations From Low to High. **2022**, 16, 1
- 290 Association of DNA Methylation of the NLRP3 Gene with Changes in Cortical Thickness in Major Depressive Disorder. **2022**, 23, 5768
- 289 Sexually divergent development of depression-related brain networks during healthy human adolescence. **2022**, 8, ○
- 288 Volumetric Analysis of Hearing-Related Structures of Brain in Children with GJB2-Related Congenital Deafness. **2022**, 9, 800
- 287 On the definition, construction, and presentation of the human cerebral sulci: A morphology-based approach. 1

- 286 Characterization of Cognitive Function in Survivors of Diffuse Gliomas Using Morphometric Correlation Networks. **2022**, 8, 1437-1452
- 285 Synthetic Atrophy for Longitudinal Cortical Surface Analyses. **2022**, 1,
- 284 The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. **2022**, 14, 2
- 283 Preserved cognition in elderly with intact rhinal cortex.
- 282 Functional connectivity fingerprints of the frontal eye fields and inferior frontal junction in the dorsal vs. ventral prefrontal cortex.
- 281 Neuroanatomical foundations of delayed reward discounting decision making II: Evaluation of sulcal morphology and fractal dimensionality. *NeuroImage*, **2022**, 257, 119309 7.9 ○
- 280 A Riemannian approach to predicting brain function from the structural connectome. *NeuroImage*, **2022**, 257, 119299 7.9 ○
- 279 Cardiorespiratory Fitness Attenuates the Deleterious Effects of Sleep Apnea on Cerebral Structure and Perfusion in the Wisconsin Sleep Cohort Study.
- 278 Effects of the Periodicity and Vowelness of Sounds on Auditory Cortex Responses in Children. **2022**, 52, 395-404 ○
- 277 Genetic and Structural Brain Correlates of Cognitive Subtypes Across Youth at Family Risk for Schizophrenia and Bipolar Disorder. **2022**,
- 276 Brain morphometric similarity and flexibility.
- 275 A Novel Approach to Estimating the Cortical Sources of Sleep Spindles Using Simultaneous EEG/MEG. 13,
- 274 Effects of Persistent Binge Drinking on Brain Structure in Emerging Adults: A Longitudinal Study. 13, ○
- 273 Structural brain correlates of childhood trauma with replication across two large, independent community-based samples. ○
- 272 Effector-selective modulation of the effective connectivity within frontoparietal circuits during visuomotor tasks.
- 271 Structural brain features signaling trauma, PTSD, or resilience? A systematic exploration.
- 270 Mild Traumatic Brain Injury Results in Significant and Lasting Cortical Demyelination. 13, ○
- 269 The Association Between Emotion Recognition, Affective Empathy, and Structural Connectivity in Schizophrenia Patients. 13,

- 268 Oxygen extraction efficiency and white matter lesion burden in older adults exhibiting radiological evidence of capillary shunting. 0271678X2211059 0
- 267 Brain Anatomy in Boys with Conduct Disorder: Differences Among Aggression Subtypes. 1
- 266 Semantic novelty modulates neural responses to visual change across the human brain.
- 265 Associations between prenatal alcohol and tobacco exposure and cortical and subcortical brain measures in South African children: a pilot study. 0
- 264 Cortical dynamics following real-time MEG neurofeedback training of the speed of shifting spatial attention: a pilot study.
- 263 Functional Significance of Human Resting-State Networks Hubs Identified Using MEG During the Transition From Childhood to Adulthood. 13,
- 262 Reorganized hubs of brain functional networks following acute mild traumatic brain injury. 0
- 261 Gray matter cortical thickness predicts individual pain sensitivity: a multi-center machine learning approach.
- 260 Probing Multiple Algorithms to Calculate Brain Age: Examining Reliability, Relations with Demographics, and Predictive Power.
- 259 Auditory Target Detection Enhances Visual Processing and Hippocampal Functional Connectivity. 13, 0
- 258 Causal effects of cingulate morphology on executive functions in healthy young adults.
- 257 Activity level in left auditory cortex predicts behavioral performance in inhibition tasks in children. *NeuroImage*, **2022**, 258, 119371 7.9 0
- 256 Neuroimaging, Neural Population Models for. **2022**, 2256-2281
- 255 Prefrontal abnormalities, executive dysfunction and symptoms severity are modulated by COMT Val158Met polymorphism in first episode psychosis. **2022**, 15, 74-87
- 254 Cortical time-course of evidence accumulation during semantic processing.
- 253 Contribution of schizophrenia polygenic burden to longitudinal phenotypic variance in 22q11.2 deletion syndrome. 0
- 252 Egomotion-related visual areas respond to goal-directed movements.
- 251 PhiPipe: a multi-modal MRI data processing pipeline with test-retest reliability and predicative validity assessments.

| | | |
|-----|--|-----|
| 250 | Neuroanatomical Correlates of Semantic Features of Narrative Speech in Semantic and Logopenic Variants of Primary Progressive Aphasia. 2022 , 12, 910 | 1 |
| 249 | In-vivo data-driven parcellation of Heschl's gyrus using structural connectivity. 2022 , 12, | |
| 248 | Adolescent development of multiscale structural wiring and functional interactions in the human connectome. 2022 , 119, | 0 |
| 247 | Deep learning in cortical surface-based neuroimage analysis: a systematic review. 2022 , | 1 |
| 246 | Polygenic score for Alzheimer's disease identifies differential atrophy in hippocampal subfield volumes. 2022 , 17, e0270795 | |
| 245 | The rostral zona incerta: a subcortical integrative hub and potential DBS target for OCD. | |
| 244 | Uncovering Brain Differences in Preschoolers and Young Adolescents with Autism Spectrum Disorder using Deep Learning. | 1 |
| 243 | Fast and functionally specific cortical thickness changes induced by visual stimulation. | 0 |
| 242 | SPAMRI: A MATLAB Toolbox for Surface-Based Processing and Analysis of Magnetic Resonance Imaging. 16, | 0 |
| 241 | Highly accurate retinotopic maps of the physiological blind spot in human visual cortex. | 0 |
| 240 | Parental socioeconomic status is linked to cortical microstructure and language abilities in children and adolescents. 2022 , 56, 101132 | 0 |
| 239 | Prospective CERAD Neuropsychological Assessment in Patients With Multiple System Atrophy. 13, | 1 |
| 238 | Cortical thickness and surface area in patients with obsessive compulsive disorder and their unaffected siblings. | |
| 237 | Prenatal and early-life environmental factors, family demographics and cortical brain anatomy in 5-year-olds: an MRI study from FinnBrain Birth Cohort. | |
| 236 | Impact of being physically active on the brain electrocortical activity, brain volumetry and performance in the Stroop color and word test in women with fibromyalgia. 2022 , 12, | |
| 235 | Alterations in the structure and function of the brain in adolescents with new daily persistent headache: A pilot MRI study. | 2 |
| 234 | Template independent component analysis with spatial priors for accurate subject-level brain network estimation and inference. 1-35 | |
| 233 | Short-Term Repeatability and Long-Term Reproducibility of Quantitative MR Imaging Biomarkers in a Single Centre Longitudinal Study. <i>NeuroImage</i> , 2022 , 119488 | 7.9 |

- 232 Neuroanatomical heterogeneity and homogeneity in individuals at clinical high risk for psychosis. **2022**, 12, ○
- 231 Copyright Page. **2007**, iv-iv
- 230 Dedication. **2007**, v-vi
- 229 Critical roles for breathing in the genesis and modulation of emotional states. **2022**, 151-178
- 228 Asymmetric generalizability of multimodal brain-behavior associations across age-groups.
- 227 Study on the changes of Structural Covariance Network in post-traumatic stress disorder.
- 226 Childhood maltreatment is associated with cortical thinning in people with eating disorders. ○
- 225 Direct intracranial recordings in the human angular gyrus during arithmetic processing. ○
- 224 Temporal stability of the hemodynamic response function across the majority of human cerebral cortex. ○
- 223 Quantifiable brain atrophy synthesis for benchmarking of cortical thickness estimation methods. **2022**, 102576 ○
- 222 Neuroanatomical correlates of emotion-related impulsivity. **2022**, ○
- 221 Pupil-linked phasic arousal relates to the reduction of response inhibition: inferences from a simultaneous pupillometry and EEG-fMRI study.
- 220 Pitfalls in Post Hoc Analyses of Population Receptive Field Data. **2022**, 119557 ○
- 219 Mapping grip-force related brain activity after a fatiguing motor task in multiple sclerosis. **2022**, 103147
- 218 The Dorsolateral Prefrontal Cortex Presents Structural Variations Associated with Empathy and Emotion Regulation in Psychotherapists. ○
- 217 The bottom-up information transfer process and top-down attention control underlying tonal working memory. 16, ○
- 216 The human middle temporal cortex responds to both active leg movements and egomotion-compatible visual motion.
- 215 Geometric deep learning reveals a structuro-temporal understanding of healthy and pathologic brain aging. 14, ○

- 214 A demonstration of cone function plasticity after gene therapy in achromatopsia. ○
- 213 White matter hyperintensities in former American football players. ○
- 212 Improved correspondence of fMRI visual field localizer data after cortex-based macroanatomical alignment. **2022**, 12, ○
- 211 There is no fundamental trade-off between prediction accuracy and feature importance reliability. ○
- 210 Percepts evoked by multi-electrode stimulation of human visual cortex. **2022**, 15, 1163-1177 ○
- 209 Neuroanatomical subtypes of schizophrenia and relationship with illness duration and deficit status. **2022**, 248, 107-113 1
- 208 Imaging the human brain on oral contraceptives: A review of structural imaging methods and implications for future research goals. **2022**, 67, 101031 ○
- 207 Neural correlates of episodic memory in adults with Down syndrome and Alzheimer's disease. **2022**, 14, 1
- 206 Negative symptoms correlate with altered brain structural asymmetry in amygdala and superior temporal region in schizophrenia patients. 13, ○
- 205 Racial discrimination associates with lower cingulate cortex thickness in trauma-exposed black women. ○
- 204 Heart rate variability (HRV) changes and cortical volume changes in a randomized trial of five weeks of daily HRV biofeedback in younger and older adults. **2022**, 181, 50-63 ○
- 203 OpenBHB: a Large-Scale Multi-Site Brain MRI Data-set for Age Prediction and Debiasing. **2022**, 263, 119637 ○
- 202 Let's face it: The lateralization of the face perception network as measured with fMRI is not clearly right dominant. **2022**, 263, 119587 ○
- 201 Characterization of the echo-time dependence of spin-echo BOLD fMRI at 3 Tesla in grey and white matter. **2022**, 381, 109691 ○
- 200 High-resolution atlas and segmentation of the subcortex: Review and perspective on challenges and opportunities created by machine learning. **2022**, 263, 119616 ○
- 199 Functional random effects modeling of brain shape and connectivity. **2022**, 16, ○
- 198 Fast Spherical Mapping of Cortical Surface Meshes Using Deep Unsupervised Learning. **2022**, 163-173 ○
- 197 Analyzing Brain Structural Connectivity as Continuous Random Functions. **2022**, 276-285 ○

| | | |
|-----|--|---|
| 196 | References. 2022 , 13-14 | 0 |
| 195 | CortexODE: Learning Cortical Surface Reconstruction by Neural ODEs. 2022 , 1-1 | 0 |
| 194 | CorticalFlow ⁺⁺ : Boosting Cortical Surface Reconstruction Accuracy, Regularity, and Interoperability. 2022 , 496-505 | 0 |
| 193 | Surface-based abnormalities of the executive frontostriatal circuit in pediatric TBI. 2022 , 35, 103136 | 0 |
| 192 | Lesser of Two Evils Improves Learning in the Context of Cortical Thickness Estimation Models - Choose Wisely. 2022 , 33-42 | 0 |
| 191 | Vox2Cortex: Fast Explicit Reconstruction of Cortical Surfaces from 3D MRI Scans with Geometric Deep Neural Networks. 2022 , | 1 |
| 190 | Gradual changes in microarchitectural properties of cortex and juxtacortical white matter: Observed by anatomical and diffusion MRI. 2022 , 88, 2485-2503 | 0 |
| 189 | Development of quantitative and continuous measure for severity degree of Alzheimer's disease evaluated from MRI images of 761 human brains. 2022 , 23, | 0 |
| 188 | Task requirements affect the neural correlates of consciousness. | 0 |
| 187 | Uncovering a tripartite landmark in posterior cingulate cortex. 2022 , 8, | 1 |
| 186 | Frontostriatal and limbic contributions to cognitive decline in Parkinson's disease. | 0 |
| 185 | Evaluation of Subcortical Structure Volumes in Patients with Non-Specific Digestive Diseases. 2022 , 12, 2199 | 0 |
| 184 | Detecting mild traumatic brain injury with MEG, normative modelling and machine learning. | 1 |
| 183 | Maternal warmth is associated with network segregation across late childhood: A longitudinal neuroimaging study. 13, | 0 |
| 182 | Distinct cerebral cortical perfusion patterns in idiopathic normal-pressure hydrocephalus. | 0 |
| 181 | Heritability of hippocampal functional and microstructural organisation. 2022 , 119656 | 0 |
| 180 | Predictive coding across the left fronto-temporal hierarchy during language comprehension. | 0 |
| 179 | Cortical change after a 2-week novel robotic rehabilitation program in children with prior hemispherectomy: pilot imaging study. | 0 |

- 178 An evaluation of how connectopic mapping reveals visual field maps in V1. **2022**, 12, ○
- 177 The spatiotemporal dynamics of semantic integration in the human brain. ○
- 176 French Phonological Component Analysis and aphasia recovery: A bilingual perspective on behavioral and structural data. 16, ○
- 175 The effect of 18 months lifestyle intervention on brain age assessed with resting-state functional connectivity. ○
- 174 Accurate Bayesian segmentation of thalamic nuclei using diffusion MRI and an improved histological atlas. ○
- 173 Epigenetic Effects in HPA Axis Genes Associated with Cortical Thickness, ERP Components and SUD Outcome. **2022**, 12, 347 ○
- 172 Magnetoencephalography contrast adaptation reflects perceptual adaptation. **2022**, 22, 16 ○
- 171 Neuroimaging Markers for Determining Former American Football Players at Risk for Alzheimer's Disease. **2022**, 3, 398-414 ○
- 170 Multiscale neural gradients reflect transdiagnostic effects of major psychiatric conditions on cortical morphology. **2022**, 5, ○
- 169 An Open MRI Dataset For Multiscale Neuroscience. **2022**, 9, 1
- 168 Variability of the Surface Area of the V1, V2, and V3 Maps in a Large Sample of Human Observers. JN-RM-0690-21
- 167 Physical distance to sensory-motor landmarks predicts language function. ○
- 166 Exploring personalised structural connectomics for moderate-to-severe traumatic brain injury. 1-50 ○
- 165 Mapping cyto- and receptor architectonics to understand brain function and connectivity. **2022**, ○
- 164 Development of human lateral prefrontal sulcal morphology and its relation to reasoning performance. ○
- 163 Neural correlates of lateral modulation and perceptual filling-in in center-surround radial sinusoidal gratings: an fMRI study. **2022**, 12, ○
- 162 Covariance-based Decoding Reveals Content-specific Feature Integration and Top-down Processing for Imagined Faces versus Places. ○
- 161 Longitudinal cognitive change and duration of Alzheimer's disease stages in relation to cognitive reserve. **2022**, ○

| | | |
|-----|---|---|
| 160 | Hippocampal subfield morphology in regular hemodialysis patients. | 0 |
| 159 | Ventral temporal and posteromedial sulcal morphology in autism spectrum disorder. | 0 |
| 158 | Dual-MEG interbrain synchronization during turn-taking verbal interactions between mothers and children. | 1 |
| 157 | Incorporating natural language into vision models improves prediction and understanding of higher visual cortex. | 0 |
| 156 | Functional Specialization of Parallel Distributed Networks Revealed by Analysis of Trial-to-Trial Variation in Processing Demands. | 0 |
| 155 | Assessing a multivariate model of brain-mediated genetic influences on disordered eating in the ABCD cohort. | 0 |
| 154 | neuromaps: structural and functional interpretation of brain maps. | 0 |
| 153 | The relationship between metabolic control and basal ganglia morphometry and function in individuals with early-treated phenylketonuria. 2022 , 137, 249-256 | 0 |
| 152 | Neuroimaging and clinical characteristics of cognitive migration in community-dwelling older adults. 2022 , 36, 103232 | 0 |
| 151 | Language and Social Regions Are Affected in Toddlers with Autism and Predict Later Language Outcome. | 0 |
| 150 | Clinical, radiologic, and pathologic features of the globular glial tauopathy subtype of frontotemporal lobar degeneration in right temporal variant frontotemporal dementia with salient features of Geschwind syndrome. 1-7 | 0 |
| 149 | Correcting cardiorespiratory noise in resting-state functional MRI data acquired in critically ill patients. | 0 |
| 148 | Comparing Vector Fields Across Surfaces: Interest for Characterizing the Orientations of Cortical Folds. 2022 , | 0 |
| 147 | Thirty novel sequence variants impacting human intracranial volume. | 1 |
| 146 | Toward evaluation of multiresolution cortical thickness estimation with FreeSurfer, MaCRUISE, and BrainSuite. | 0 |
| 145 | MIND Networks: Robust Estimation of Structural Similarity from Brain MRI. | 0 |
| 144 | Neuromagnetic representation of melodic contour processing in human auditory cortex. 16, | 0 |
| 143 | Comparison of FreeSurfer and CAT12 Software in Parcel-Based Cortical Thickness Calculations. | 0 |

- 142 Morphological similarity of amygdala-ventral prefrontal pathways represents trait anxiety in younger and older adults. **2022**, 119,
- 141 Mapping the genetic architecture of cortical morphology through neuroimaging: progress and perspectives. **2022**, 12,
- 140 Altered Neural Oscillations Underlying Visuospatial Processing in Cerebral Visual Impairment (CVI).
- 139 Long-term learning transforms prefrontal cortex representations during working memory. **2022**,
- 138 Topology of pain networks in patients with temporomandibular disorder and pain-free controls with and without concurrent experimental pain: A pilot study. 3,
- 137 Brain structure in autoimmune Addison's disease.
- 136 The relationship between electrophysiological and hemodynamic measures of neural activity varies across picture naming tasks: A multimodal magnetoencephalography-functional magnetic resonance imaging study. 16,
- 135 Can hippocampal subfield measures supply information that could be used to improve the diagnosis of Alzheimer's disease?. **2022**, 17, e0275233
- 134 Cortical microstructural gradients capture memory network reorganization in temporal lobe epilepsy.
- 133 fMRI BOLD and MEG theta power reflect complementary aspects of activity during lexicosemantic decision in adolescents with ASD. **2022**, 2, 100134
- 132 Anatomical coordinate systems in brain analysis. **2023**, 83-95
- 131 Neural correlates of semantic matching in indirect priming. **2023**, 77, 18-29
- 130 Neuroimaging of restless legs syndrome. **2023**, 519-540
- 129 Are we ready to define cognitive worsening in MS? How different cutoffs detect future cognitive worsening after six years of follow-up. **2023**, 69, 104402
- 128 The Bandwagon. **2007**, 343-344
- 127 Preface. **2007**, vii-xii
- 126 Two Famous Papers. **2007**, 345-346
- 125 HOA2.0-ComPaRe: A next generation Harvard-Oxford Atlas comparative parcellation reasoning method for human and macaque individual brain parcellation and atlases of the cerebral cortex. 16,

- 124 Representations and decodability of diverse cognitive functions are preserved across the human cortex, cerebellum, and subcortex. **2022**, 5, ○
- 123 Efficient learning in children with rapid GABA boosting during and after training. **2022**, ○
- 122 Error Minimization in Pre-surgical Model of Brain Tumor for 3-D Printing. ○
- 121 Impact of HIV and recreational drugs on cognitive functions. ○
- 120 Preliminary Validation of a Structural Magnetic Resonance Imaging Metric for Tracking Dementia-Related Neurodegeneration and Future Decline. ○
- 119 Auditory cortex encodes lipreading information through spatially distributed activity. ○
- 118 BOLD Activation on the Groundside of Figures: More Suppression of Grounds That Competed More for Figural Status. **2022**, ○
- 117 Assessment of cognitive function, structural brain changes and fatigue 6 months after treatment of neuroborreliosis. ○
- 116 Machine learning based multi-modal prediction of future decline toward Alzheimer's disease: An empirical study. **2022**, 17, e0277322 ○
- 115 3D reconstruction of ultra-high resolution neurotransmitter receptor atlases in human and non-human primate brains. ○
- 114 Two fine-scale channels for encoding motion and stereopsis within the human magnocellular stream. **2022**, 102374 ○
- 113 Classification of major depression disorder via using minimum spanning tree of individual high-order morphological brain network. **2022**, ○
- 112 Exploring the heterogeneous morphometric data in essential tremor with probabilistic modelling. **2023**, 37, 103283 ○
- 111 Automated detection of axonal damage along white matter tracts in acute severe traumatic brain injury. **2023**, 37, 103294 ○
- 110 A combined exercise and cognitive training intervention induces fronto-cingulate cortical plasticity in first-episode psychosis patients. **2023**, 251, 12-21 ○
- 109 Childhood abuse and cortical gray matter volume in patients with major depressive disorder. **2023**, 319, 114990 ○
- 108 Identification of cerebral cortices processing acceleration, velocity, and position during directional reaching movement with deep neural network and explainable AI. **2023**, 266, 119783 ○
- 107 Increased cortical surface area but not altered cortical thickness or gyrification in bipolar disorder following stabilisation from a first episode of mania. **2023**, 122, 110687 ○

- 106 Randomized Controlled Trial of Social Ballroom Dancing and Treadmill Walking: Preliminary Findings on Executive Function and Neuroplasticity From Dementia-at-Risk Older Adults. **2022**, 1-11 ○
- 105 Evaluation and Comparison of Simulated Electric Field Differences Using Three Image Segmentation Methods for TMS. **2023**, 75-87 ○
- 104 SF-MVPA: A from raw data to statistical results and surface space-based MVPA toolbox. 16, ○
- 103 Adverse driving behaviors increase over time as a function of preclinical Alzheimer's disease biomarkers. ○
- 102 Adaptive biasing of action-selective cortical build-up activity by choice history. ○
- 101 Cross-movie prediction of individualized functional topography. ○
- 100 Cortex2vector: anatomical embedding of cortical folding patterns. ○
- 99 Divergent associations between auditory activation and inhibition task performance in children and adults. ○
- 98 Smaller Rostral Cingulate Volume and Psychosocial Correlates in Veterans at Risk for Suicide. **2022**, 115032 ○
- 97 Age-dependent alterations in the coordinated development of subcortical regions in adolescents with social anxiety disorder. ○
- 96 Is There Reduced Hemodynamic Brain Activation in Multiple Sclerosis Even with Undisturbed Cognition?. **2023**, 24, 112 ○
- 95 Perceptual Grouping in Autism Spectrum Disorder: An Exploratory Magnetoencephalography Study. ○
- 94 Structural connectome architecture shapes the maturation of cortical morphology from childhood to adolescence. ○
- 93 Cognitive Decline Related to Diet Pattern and Nutritional Adequacy in Alzheimer's Disease Using Surface-Based Morphometry. **2022**, 14, 5300 ○
- 92 Neurocognitive considerations in the treatment of meningioma with radiation therapy: applications for quantitative neuroimaging and precision radiation medicine. ○
- 91 Atypical brain structure mediates reduced IQ in young adults born preterm with very low birth weight. **2022**, 119816 ○
- 90 Precise motor mapping with transcranial magnetic stimulation. ○
- 89 Motor symptoms in Parkinson's disease are related to the interplay between cortical curvature and thickness. **2022**, 103300 ○

- 88 Long-term follow-up of a randomized controlled trial of choline for neurodevelopment in fetal alcohol spectrum disorder: corpus callosum white matter microstructure and neurocognitive outcomes. **2022**, 14, ○
- 87 A model for estimating the brainstem volume in normal healthy individuals and its application to diffuse axonal injury patients. **2023**, 13, ○
- 86 Predicting aging trajectories of decline in brain volume, cortical thickness and fractional anisotropy in schizophrenia. **2023**, 9, ○
- 85 Altered cortical thickness and emotional dysregulation in adolescents with borderline personality disorder. **2023**, 14, ○
- 84 Whole-brain functional gradients reveal cortical and subcortical alterations in patients with episodic migraine. ○
- 83 Exploring Genetic and Neural Risk of Specific Reading Disability within a Nuclear Twin Family Case Study: A Translational Clinical Application. **2023**, 13, 156 ○
- 82 Cerebral cortical thickness and cognitive decline in Parkinson's disease. **2023**, 4, ○
- 81 Gyral peaks and patterns in human brains. ○
- 80 Neural signatures of task-related fluctuations in auditory attention and age-related changes. **2023**, 119883 ○
- 79 Using convolutional dictionary learning to detect task-related neuromagnetic transients and ageing trends in a large open-access dataset. **2023**, 267, 119809 ○
- 78 Associations between right inferior frontal gyrus morphometry and inhibitory control in individuals with nicotine dependence. **2023**, 244, 109766 ○
- 77 Multifaceted atlases of the human brain in its infancy. **2023**, 20, 55-64 ○
- 76 Functional underpinnings of feedback-enhanced test-potentiated encoding. ○
- 75 Functional alteration due to structural damage is network dependent: insight from multiple sclerosis. ○
- 74 PhiPipe : A multi-modal MRI data processing pipeline with test-retest reliability and predictive validity assessments. ○
- 73 Robust dynamic brain coactivation states estimated in individuals. **2023**, 9, ○
- 72 Structural brain signatures of frailty, defined as accumulation of self-reported health deficits in older adults. 15, ○
- 71 Structural Relationship between Cerebral Gray and White Matter Alterations in Degenerative Cervical Myelopathy. **2023**, 9, 315-327 ○

- 70 Structural brain correlates of childhood trauma with replication across two large, independent community-based samples. 1-25
- 69 Associations between community-level patterns of prenatal alcohol and tobacco exposure on brain structure in a non-clinical sample of 6-year-old children: a South African pilot study. 1-27
- 68 Influence of accessory sulci of the frontoparietal operculum on gray matter quantification. 16,
- 67 Amyloid-PET and White Matter Hyperintensities Have Independent Effects on Baseline Cognitive Function and Synergistic Effects on Longitudinal Executive Function. **2023**, 13, 218
- 66 Diffusion MRI data analysis assisted by deep learning synthesized anatomical images (DeepAnat). **2023**, 102744
- 65 Associations between anxiety, centromedial amygdala volume, and complex verbal fluency in middle-aged to older adults. **2022**, 44, 730-742
- 64 The association between white matter hyperintensities and amyloid and tau deposition. **2023**, 38, 103383
- 63 Cognitive relevance of an evolutionarily new and variable prefrontal structure.
- 62 Machine learning based identification of structural brain alterations underlying suicide risk in adolescents. **2023**, 3,
- 61 Evidence of target enhancement and distractor suppression in early visual areas. **2023**, 85, 734-748
- 60 Multimodal neural correlates of childhood psychopathology.
- 59 Anterior cingulate and medial prefrontal cortex oscillations underlie learning alterations in trait anxiety in humans. **2023**, 6,
- 58 Mean Arterial Pressure and Cerebral Hemodynamics Across The Lifespan: A Cross-Sectional Study From Human Connectome Project-Aging.
- 57 Structural architecture and brain network efficiency link polygenic scores to intelligence.
- 56 Modulation of mind wandering using transcranial direct current stimulation: A meta-analysis based on electric field modeling. **2023**, 272, 120051
- 55 Subcortical volume analysis in non-suicidal self-injury adolescents: A pilot study. **2023**, 331, 111617
- 54 Increased parietal and occipital lobe gyrification predicts conversion to syndromal psychosis in a clinical high-risk cohort. **2023**, 255, 246-255
- 53 High-fidelity transmission of auditory symbolic material is associated with reduced right-left neuroanatomical asymmetry between primary auditory regions.

- 52 Spatiotemporal dynamics of self-generated imagery reveal a reverse cortical hierarchy from cue-induced imagery. ○
- 51 The sequence of regional structural disconnectivity due to multiple sclerosis lesions. ○
- 50 Genetic Risk for Alzheimer Disease and Plasma Tau Are Associated With Accelerated Parietal Cortex Thickness Change in Middle-Aged Adults. **2023**, 9, e200053 1
- 49 Neuroanatomical and neurocognitive changes associated with subjective cognitive decline. 10, ○
- 48 Sulcal morphology of posteromedial cortex substantially differs between humans and chimpanzees. ○
- 47 Long-term clinical, imaging and cognitive outcomes association with MS immunopathology. **2023**, 10, 339-352 ○
- 46 Functional connectivity fingerprints of the frontal eye field and inferior frontal junction suggest spatial versus nonspatial processing in the prefrontal cortex. **2023**, 57, 1114-1140 ○
- 45 Disentangled deep generative models reveal coding principles of the human face processing network. ○
- 44 Validity Assessment of an Automated Brain Morphometry Tool for Patients with De Novo Memory Symptoms. **2023**, 44, 261-267 ○
- 43 Development of top-down cortical propagations in youth. **2023**, 111, 1316-1330.e5 ○
- 42 Parental education and income are linked to offspring cortical brain structure and psychopathology at 9-11 years. ○
- 41 Whole-brain structural connectome asymmetry in autism. ○
- 40 Mismatch between human early visual cortex and perception in spatial extent representation: Radial bias shapes cortical representation while co-axial bias shapes perception. ○
- 39 Selectivity for food in human ventral visual cortex. **2023**, 6, ○
- 38 Structural brain correlates of non-verbal cognitive ability in 5-year-old children: findings from the FinnBrain Birth Cohort study. ○
- 37 Development of Human Lateral Prefrontal Sulcal Morphology and Its Relation to Reasoning Performance. **2023**, 43, 2552-2567 ○
- 36 Mode-based morphometry: A multiscale approach to mapping human neuroanatomy. ○
- 35 MRI Volumetric Analysis of the Hypothalamus and Limbic System across the Pediatric Age Span. **2023**, 10, 477 ○

- 34 iBEAT V2.0: a multisite-applicable, deep learning-based pipeline for infant cerebral cortical surface reconstruction. ○
- 33 Random Access Concatenated Libraries and dd Enable a Short-Latency, Content-Rich Website on an Inexpensive Shared Server. **2023**, 56, 92-100 ○
- 32 Neurophysiological and other features of working memory in older adults at risk for dementia. ○
- 31 Estimating cortical thickness trajectories in children across different scanners using transfer learning from normative models. ○
- 30 Distinct dorsal and ventral streams for binocular rivalry dominance and suppression revealed by magnetoencephalography. **2023**, 57, 1317-1334 ○
- 29 High-resolution quantitative and functional MRI indicate lower myelination of thin and thick stripes in human secondary visual cortex. 12, ○
- 28 Associations of mTBI and post-traumatic stress to amygdala structure and functional connectivity in military Service Members. 2, ○
- 27 Longitudinal changes in surface based brain morphometry measures in amnesic mild cognitive impairment and Alzheimer's Disease. **2023**, 38, 103371 ○
- 26 Crop Filling: a pipeline for repairing memory clinic MRI corrupted by partial brain coverage. ○
- 25 Cortical Grey Matter Changes, Behavior and Cognition in Children with Sleep Disordered Breathing. ○
- 24 Functional mapping of sensorimotor activation in the human thalamus at 9.4 Tesla. 17, ○
- 23 No Differences in Auditory Steady-State Responses in Children with Autism Spectrum Disorder and Typically Developing Children. ○
- 22 Predicting an Individual's Cerebellar Activity from Functional Connectivity Fingerprints. ○
- 21 Understanding the neural mechanisms of emotion-cognition interaction via high resolution mapping in space, time, frequency, and information transfer. ○
- 20 Spectrotemporal content of human auditory working memory represented in functional connectivity patterns. **2023**, 6, ○
- 19 Volumetric differences of thalamic nuclei in children with trisomy 21. 197140092311661 ○
- 18 Hemispheric decoupling of awareness-related activity in human auditory cortex under informational masking and divided attention. ○
- 17 Childhood Sexual Abuse and Cortical Thinning in Adults With Major Depressive Disorder. **2023**, 20, 255-261 ○

- 16 Transcriptomic contributions to a modern cytoarchitectonic parcellation of the human cerebral cortex. ○
- 15 Analyzing structural and functional brain changes related to an integrative cognitive remediation program for schizophrenia: A randomized controlled trial. **2023**, 255, 82-92 ○
- 14 Spikiness and animacy as potential organizing principles of human ventral visual cortex. ○
- 13 BIBSNet: A Deep Learning Baby Image Brain Segmentation Network for MRI Scans. ○
- 12 The spatial arrangement of laminar thickness profiles in the human cortex scaffolds processing hierarchy. ○
- 11 Serum neurofilament light concentrations are associated with cortical thinning in anorexia nervosa. 1-9 ○
- 10 Optimizing transcranial magnetic stimulation for spaceflight applications. **2023**, 9, ○
- 9 PET Imaging for Alzheimer's Neuroanatomical Disease Diagnosis. **2023**, ○
- 8 No difference in extra-axial cerebrospinal fluid volumes across neurodevelopmental and psychiatric conditions in later childhood and adolescence. **2023**, 15, ○
- 7 Probing multiple algorithms to calculate brain age: Examining reliability, relations with demographics, and predictive power. ○
- 6 Quantifying numerical and spatial reliability of hippocampal and amygdala subdivisions in FreeSurfer. **2023**, 10, ○
- 5 Correspondence of functional connectivity gradients across human isocortex, cerebellum, and hippocampus. **2023**, 6, ○
- 4 Alteration of surface morphology and core features in adolescents with borderline personality disorder. **2023**, 333, 86-93 ○
- 3 Neuroanatomical restoration of salience network links reduced headache impact to cognitive function improvement in mild traumatic brain injury with posttraumatic headache. **2023**, 24, ○
- 2 A Bivariate Twin Study of Cortical Surface Area and Verbal and Nonverbal Intellectual Skills in Adolescence. **2023**, ○
- 1 Accurate Bayesian segmentation of thalamic nuclei using diffusion MRI and an improved histological atlas. **2023**, 120129 ○