

Bernard M Mazoyer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7645796/publications.pdf>

Version: 2024-02-01

280
papers

43,341
citations

3919

88
h-index

2439

197
g-index

323
all docs

323
docs citations

323
times ranked

36478
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Automated Anatomical Labeling of Activations in SPM Using a Macroscopic Anatomical Parcellation of the MNI MRI Single-Subject Brain. <i>NeuroImage</i> , 2002, 15, 273-289. | 2.1 | 14,089 |
| 2 | A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping (ICBM). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1293-1322. | 1.8 | 1,959 |
| 3 | Meta-analyzing left hemisphere language areas: Phonology, semantics, and sentence processing. <i>NeuroImage</i> , 2006, 30, 1414-1432. | 2.1 | 1,573 |
| 4 | Cortical networks for working memory and executive functions sustain the conscious resting state in man. <i>Brain Research Bulletin</i> , 2001, 54, 287-298. | 1.4 | 837 |
| 5 | Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229. | 13.7 | 772 |
| 6 | The Cortical Representation of Speech. <i>Journal of Cognitive Neuroscience</i> , 1993, 5, 467-479. | 1.1 | 725 |
| 7 | Vascular Factors and Risk of Dementia: Design of the Three-City Study and Baseline Characteristics of the Study Population. <i>Neuroepidemiology</i> , 2003, 22, 316-325. | 1.1 | 570 |
| 8 | The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, . | 6.0 | 450 |
| 9 | Left prefrontal glucose hypometabolism in the depressed state: a confirmation. <i>American Journal of Psychiatry</i> , 1990, 147, 1313-1317. | 4.0 | 444 |
| 10 | Effects of Blood Pressure Lowering on Cerebral White Matter Hyperintensities in Patients With Stroke. <i>Circulation</i> , 2005, 112, 1644-1650. | 1.6 | 422 |
| 11 | OBSESSIVE-COMPULSIVE AND OTHER BEHAVIOURAL CHANGES WITH BILATERAL BASAL GANGLIA LESIONS. <i>Brain</i> , 1989, 112, 699-725. | 3.7 | 416 |
| 12 | Mental navigation along memorized routes activates the hippocampus, precuneus, and insula. <i>NeuroReport</i> , 1997, 8, 739-744. | 0.6 | 408 |
| 13 | What is right-hemisphere contribution to phonological, lexico-semantic, and sentence processing?. <i>NeuroImage</i> , 2011, 54, 577-593. | 2.1 | 383 |
| 14 | Neuroanatomical correlates of visually evoked sexual arousal in human males. <i>Archives of Sexual Behavior</i> , 1999, 28, 1-21. | 1.2 | 371 |
| 15 | Neural Correlates of Simple and Complex Mental Calculation. <i>NeuroImage</i> , 2001, 13, 314-327. | 2.1 | 370 |
| 16 | Shifting from the Perceptual Brain to the Logical Brain: The Neural Impact of Cognitive Inhibition Training. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 721-728. | 1.1 | 350 |
| 17 | A Four-Dimensional Probabilistic Atlas of the Human Brain. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2001, 8, 401-430. | 2.2 | 313 |
| 18 | Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163. | 3.3 | 299 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Severity of Dilated Virchow-Robin Spaces Is Associated With Age, Blood Pressure, and MRI Markers of Small Vessel Disease. <i>Stroke</i> , 2010, 41, 2483-2490. | 1.0 | 289 |
| 20 | Brain activity at rest: a multiscale hierarchical functional organization. <i>Journal of Neurophysiology</i> , 2011, 105, 2753-2763. | 0.9 | 287 |
| 21 | Functional Anatomy of a Prelearned Sequence of Horizontal Saccades in Humans. <i>Journal of Neuroscience</i> , 1996, 16, 3714-3726. | 1.7 | 280 |
| 22 | Functional Anatomy of Spatial Mental Imagery Generated from Verbal Instructions. <i>Journal of Neuroscience</i> , 1996, 16, 6504-6512. | 1.7 | 278 |
| 23 | Obsessive-compulsive disorder: a clinical, neuropsychological and positron emission tomography study. <i>Acta Psychiatrica Scandinavica</i> , 1990, 82, 233-242. | 2.2 | 260 |
| 24 | Age- and sex-related effects on the neuroanatomy of healthy elderly. <i>NeuroImage</i> , 2005, 26, 900-911. | 2.1 | 257 |
| 25 | Cerebral activations during number multiplication and comparison: a PET study. <i>Neuropsychologia</i> , 1996, 34, 1097-1106. | 0.7 | 256 |
| 26 | Gaussian Mixture Modeling of Hemispheric Lateralization for Language in a Large Sample of Healthy Individuals Balanced for Handedness. <i>PLoS ONE</i> , 2014, 9, e101165. | 1.1 | 246 |
| 27 | Reopening the Mental Imagery Debate: Lessons from Functional Anatomy. <i>NeuroImage</i> , 1998, 8, 129-139. | 2.1 | 242 |
| 28 | Circulating IL-6 and CRP are associated with MRI findings in the elderly. <i>Neurology</i> , 2012, 78, 720-727. | 1.5 | 242 |
| 29 | Neural Correlates of Woman Face Processing by 2-Month-Old Infants. <i>NeuroImage</i> , 2002, 15, 454-461. | 2.1 | 240 |
| 30 | PET study of voluntary saccadic eye movements in humans: basal ganglia-thalamocortical system and cingulate cortex involvement. <i>Journal of Neurophysiology</i> , 1993, 69, 1009-1017. | 0.9 | 232 |
| 31 | AICHA: An atlas of intrinsic connectivity of homotopic areas. <i>Journal of Neuroscience Methods</i> , 2015, 254, 46-59. | 1.3 | 232 |
| 32 | Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582. | 7.1 | 213 |
| 33 | Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , 2012, 44, 545-551. | 9.4 | 212 |
| 34 | A Common Language Network for Comprehension and Production: A Contribution to the Definition of Language Epicenters with PET. <i>NeuroImage</i> , 2000, 11, 347-357. | 2.1 | 207 |
| 35 | LOCAL BRAIN HAEMODYNAMICS AND OXYGEN METABOLISM IN CEREBROVASCULAR DISEASE. <i>Brain</i> , 1989, 112, 931-951. | 3.7 | 206 |
| 36 | Headache, migraine, and structural brain lesions and function: population based Epidemiology of Vascular Ageing-MRI study. <i>BMJ: British Medical Journal</i> , 2011, 342, c7357-c7357. | 2.4 | 204 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Functional Anatomy of Dominance for Speech Comprehension in Left Handers vs Right Handers. <i>NeuroImage</i> , 1998, 8, 1-16. | 2.1 | 203 |
| 38 | Genome-wide association studies of cerebral white matter lesion burden. <i>Annals of Neurology</i> , 2011, 69, 928-939. | 2.8 | 201 |
| 39 | Functional Anatomy of Human Auditory Attention Studied with PET. <i>NeuroImage</i> , 1997, 5, 63-77. | 2.1 | 200 |
| 40 | Revisiting human hemispheric specialization with neuroimaging. <i>Trends in Cognitive Sciences</i> , 2013, 17, 69-80. | 4.0 | 200 |
| 41 | Neural Correlates of Topographic Mental Exploration: The Impact of Route versus Survey Perspective Learning. <i>NeuroImage</i> , 2000, 12, 588-600. | 2.1 | 198 |
| 42 | Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636. | 9.4 | 192 |
| 43 | Handedness and cerebral anatomical asymmetries in young adult males. <i>NeuroImage</i> , 2006, 29, 1066-1079. | 2.1 | 187 |
| 44 | Cortical anatomy of mental imagery of concrete nouns based on their dictionary definition. <i>NeuroReport</i> , 1998, 9, 803-808. | 0.6 | 174 |
| 45 | ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017, 145, 389-408. | 2.1 | 173 |
| 46 | Mental calculation in a prodigy is sustained by right prefrontal and medial temporal areas. <i>Nature Neuroscience</i> , 2001, 4, 103-107. | 7.1 | 166 |
| 47 | Antihypertensive Treatment and Change in Blood Pressure Are Associated With the Progression of White Matter Lesion Volumes. <i>Circulation</i> , 2011, 123, 266-273. | 1.6 | 166 |
| 48 | Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 398-409. | 5.1 | 162 |
| 49 | Use of PET Methods for Measurement of Cerebral Energy Metabolism and Hemodynamics in Cerebrovascular Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 723-742. | 2.4 | 161 |
| 50 | Striatal D2 dopaminergic receptors assessed with positron emission tomography and [76Br]bromospiperone in untreated schizophrenic patients. <i>American Journal of Psychiatry</i> , 1990, 147, 44-50. | 4.0 | 160 |
| 51 | fMRI Study of Emotional Speech Comprehension. <i>Cerebral Cortex</i> , 2006, 17, 339-352. | 1.6 | 154 |
| 52 | Word and non-word reading: What role for the Visual Word Form Area?. <i>NeuroImage</i> , 2005, 27, 694-705. | 2.1 | 149 |
| 53 | APOE genotype and MRI markers of cerebrovascular disease. <i>Neurology</i> , 2013, 81, 292-300. | 1.5 | 149 |
| 54 | Longitudinal neuroimaging correlates of subjective memory impairment: 4-year prospective community study. <i>British Journal of Psychiatry</i> , 2011, 198, 199-205. | 1.7 | 147 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Analysis of Individual Positron Emission Tomography Activation Maps by Detection of High Signal-to-Noise-Ratio Pixel Clusters. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 425-437. | 2.4 | 146 |
| 56 | The resting state questionnaire: An introspective questionnaire for evaluation of inner experience during the conscious resting state. <i>Brain Research Bulletin</i> , 2010, 81, 565-573. | 1.4 | 146 |
| 57 | Effects of capsular or thalamic stroke on metabolism in the cortex and cerebellum: a positron tomography study.. <i>Stroke</i> , 1990, 21, 519-524. | 1.0 | 144 |
| 58 | Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017, 11, 1497-1514. | 1.1 | 144 |
| 59 | Different mental imagery abilities result in different regional cerebral blood flow activation patterns during cognitive tasks. <i>Neuropsychologia</i> , 1992, 30, 565-580. | 0.7 | 143 |
| 60 | Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3â€“90â€“years. <i>Human Brain Mapping</i> , 2022, 43, 431-451. | 1.9 | 143 |
| 61 | Thalamocortical diaschisis: positron emission tomography in humans.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1992, 55, 935-942. | 0.9 | 140 |
| 62 | Frequency and Location of Dilated Virchow-Robin Spaces in Elderly People: A Population-Based 3D MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2011, 32, 709-713. | 1.2 | 140 |
| 63 | White Matter Lesions as a Predictor of Depression in the Elderly: The 3C-Dijon Study. <i>Biological Psychiatry</i> , 2008, 63, 663-669. | 0.7 | 137 |
| 64 | Left planum temporale surface correlates with functional dominance during story listening*. <i>NeuroReport</i> , 1998, 9, 829-833. | 0.6 | 135 |
| 65 | Access to Deductive Logic Depends on a Right Ventromedial Prefrontal Area Devoted to Emotion and Feeling: Evidence from a Training Paradigm. <i>NeuroImage</i> , 2001, 14, 1486-1492. | 2.1 | 125 |
| 66 | Functional Anatomy of High-Resolution Visual Mental Imagery. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 98-109. | 1.1 | 123 |
| 67 | Large-vessel correlates of cerebral small-vessel disease. <i>Neurology</i> , 2013, 80, 662-669. | 1.5 | 122 |
| 68 | Atypical hemispheric specialization for language in right-handed schizophrenia patients. <i>Biological Psychiatry</i> , 2005, 57, 1020-1028. | 0.7 | 119 |
| 69 | The cortical serotonin2 receptors studied with positron-emission tomography and [18F]-setoperone during depressive illness and antidepressant treatment with clomipramine. <i>Biological Psychiatry</i> , 1999, 45, 180-186. | 0.7 | 116 |
| 70 | Impact of modality and linguistic complexity during reading and listening tasks. <i>NeuroImage</i> , 2007, 34, 784-800. | 2.1 | 116 |
| 71 | Abnormalities of the airways and lung parenchyma in asthmatics: CT observations in 50 patients and inter- and intraobserver variability. <i>European Radiology</i> , 1996, 6, 199-206. | 2.3 | 115 |
| 72 | Interindividual variability in the hemispheric organization for speech. <i>NeuroImage</i> , 2004, 21, 422-435. | 2.1 | 114 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Cortical Terminations of the Inferior Fronto-Occipital and Uncinate Fasciculi: Anatomical Stem-Based Virtual Dissection. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 58. | 0.9 | 114 |
| 74 | The Estimated Density of D2 Striatal Receptors in Schizophrenia. <i>British Journal of Psychiatry</i> , 1991, 158, 346-350. | 1.7 | 111 |
| 75 | Severe Cerebral White Matter Hyperintensities Predict Severe Cognitive Decline in Patients With Cerebrovascular Disease History. <i>Stroke</i> , 2009, 40, 2219-2221. | 1.0 | 110 |
| 76 | White matter lesions volume and motor performances in the elderly. <i>Annals of Neurology</i> , 2009, 65, 706-715. | 2.8 | 109 |
| 77 | A Positron Emission Tomography Study of Visual and Mental Spatial Exploration. <i>Journal of Cognitive Neuroscience</i> , 1995, 7, 433-445. | 1.1 | 108 |
| 78 | Multiple Indices of Diffusion Identifies White Matter Damage in Mild Cognitive Impairment and Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e21745. | 1.1 | 108 |
| 79 | A multistep Unsupervised Fuzzy Clustering Analysis of fMRI time series. <i>Human Brain Mapping</i> , 2000, 10, 160-178. | 1.9 | 107 |
| 80 | A set of regulatory genes co-expressed in embryonic human brain is implicated in disrupted speech development. <i>Molecular Psychiatry</i> , 2019, 24, 1065-1078. | 4.1 | 106 |
| 81 | High Degree of Dilated Virchow-Robin Spaces on MRI is Associated with Increased Risk of Dementia. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 663-672. | 1.2 | 105 |
| 82 | Dynamic PET Data Analysis. <i>Journal of Computer Assisted Tomography</i> , 1986, 10, 645-653. | 0.5 | 104 |
| 83 | Neuroimaging correlates of subjective memory deficits in a community population. <i>Neurology</i> , 2008, 70, 1601-1607. | 1.5 | 104 |
| 84 | Altered Hemispheric Functional Dominance During Word Generation in Negative Schizophrenia. <i>Schizophrenia Bulletin</i> , 2000, 26, 709-721. | 2.3 | 99 |
| 85 | Joint Effect of White Matter Lesions and Hippocampal Volumes on Severity of Cognitive Decline: The 3C-Dijon MRI Study. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 453-463. | 1.2 | 97 |
| 86 | Patterns of hemodynamic low-frequency oscillations in the brain are modulated by the nature of free thought during rest. <i>NeuroImage</i> , 2012, 59, 3194-3200. | 2.1 | 96 |
| 87 | Identifiability analysis and parameter identification of an in vivo ligand-receptor model from PET data. <i>IEEE Transactions on Biomedical Engineering</i> , 1990, 37, 653-661. | 2.5 | 93 |
| 88 | No ϵ_4 gene dose effect on hippocampal atrophy in a large MRI database of healthy elderly subjects. <i>NeuroImage</i> , 2005, 24, 1205-1213. | 2.1 | 92 |
| 89 | Physical characteristics of TTV03, a new high spatial resolution time-of-flight positron tomograph. <i>IEEE Transactions on Nuclear Science</i> , 1990, 37, 778-782. | 1.2 | 91 |
| 90 | Comparison of spatial normalization procedures and their impact on functional maps. <i>Human Brain Mapping</i> , 2002, 16, 228-250. | 1.9 | 91 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Adult brains don't fully overcome biases that lead to incorrect performance during cognitive development: an fMRI study in young adults completing a Piaget's task. <i>Developmental Science</i> , 2009, 12, 326-338. | 1.3 | 91 |
| 92 | Functional magnetic resonance imaging study of Piaget's conservation-of-number task in preschool and school-age children: A neo-Piagetian approach. <i>Journal of Experimental Child Psychology</i> , 2011, 110, 332-346. | 0.7 | 91 |
| 93 | Plasma long-chain omega-3 fatty acids and atrophy of the medial temporal lobe. <i>Neurology</i> , 2012, 79, 642-650. | 1.5 | 91 |
| 94 | Revisiting the human uncinate fasciculus, its subcomponents and asymmetries with stem-based tractography and microdissection validation. <i>Brain Structure and Function</i> , 2017, 222, 1645-1662. | 1.2 | 91 |
| 95 | A positron emission tomography study of oculomotor imagery. <i>NeuroReport</i> , 1994, 5, 921-924. | 0.6 | 89 |
| 96 | Descriptive anatomy of Heschl's gyri in 430 healthy volunteers, including 198 left-handers. <i>Brain Structure and Function</i> , 2015, 220, 729-743. | 1.2 | 89 |
| 97 | Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285. | 5.8 | 89 |
| 98 | Three-dimensional segmentation and interpolation of magnetic resonance brain images. <i>IEEE Transactions on Medical Imaging</i> , 1993, 12, 269-277. | 5.4 | 88 |
| 99 | BRAIN ENERGY METABOLISM IN BILATERAL PARAMEDIAN THALAMIC INFARCTS: A POSITRON EMISSION TOMOGRAPHY STUDY. <i>Brain</i> , 1992, 115, 795-807. | 3.7 | 86 |
| 100 | An automated procedure for the assessment of white matter hyperintensities by multispectral (T1, T2, Tj) ETQq0 0 0 rgBT /Overlock 10 databases. <i>Neuroradiology</i> , 2008, 50, 31-42. | 1.1 | 86 |
| 101 | Picture naming without Broca's and Wernicke's area. <i>NeuroReport</i> , 2000, 11, 617-622. | 0.6 | 85 |
| 102 | Evidence for a common network of brain structures involved in Parkinsonian tremor and voluntary repetitive movement. <i>Brain Research</i> , 1992, 584, 11-17. | 1.1 | 82 |
| 103 | Longitudinal Assessment of Global and Regional Rate of Grey Matter Atrophy in 1,172 Healthy Older Adults: Modulation by Sex and Age. <i>PLoS ONE</i> , 2014, 9, e114478. | 1.1 | 82 |
| 104 | Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. <i>Neurobiology of Aging</i> , 2015, 36, 1765.e7-1765.e16. | 1.5 | 82 |
| 105 | METACOHORTS for the study of vascular disease and its contribution to cognitive decline and neurodegeneration: An initiative of the Joint Programme for Neurodegenerative Disease Research. <i>Alzheimer's and Dementia</i> , 2016, 12, 1235-1249. | 0.4 | 82 |
| 106 | BIL&GIN: A neuroimaging, cognitive, behavioral, and genetic database for the study of human brain lateralization. <i>NeuroImage</i> , 2016, 124, 1225-1231. | 2.1 | 81 |
| 107 | Using Support Vector Machines with Multiple Indices of Diffusion for Automated Classification of Mild Cognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e32441. | 1.1 | 80 |
| 108 | Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1319-1337. | 2.4 | 80 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Impact of fMRI Acoustic Noise on the Functional Anatomy of Visual Mental Imagery. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 172-186. | 1.1 | 78 |
| 110 | Left planum temporale: an anatomical marker of left hemispheric specialization for language comprehension. <i>Cognitive Brain Research</i> , 2003, 18, 1-14. | 3.3 | 77 |
| 111 | Effects of ApoE- ϵ 4 allele load and age on the rates of grey matter and hippocampal volumes loss in a longitudinal cohort of 1186 healthy elderly persons. <i>NeuroImage</i> , 2010, 53, 1064-1069. | 2.1 | 75 |
| 112 | TIME COURSE OF EFFECTS OF UNILATERAL LESIONS OF THE NUCLEUS BASALIS OF MEYNERT ON GLUCOSE UTILIZATION BY THE CEREBRAL CORTEX. <i>Brain</i> , 1989, 112, 435-455. | 3.7 | 74 |
| 113 | Experimental design optimisation: theory and application to estimation of receptor model parameters using dynamic positron emission tomography. <i>Physics in Medicine and Biology</i> , 1989, 34, 419-435. | 1.6 | 73 |
| 114 | Enhanced Detection in Brain Activation Maps Using a Multifiltering Approach. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 639-642. | 2.4 | 72 |
| 115 | On the number of clusters and the fuzziness index for unsupervised FCA application to BOLD fMRI time series. <i>Medical Image Analysis</i> , 2001, 5, 55-67. | 7.0 | 72 |
| 116 | Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 452-469. | 1.9 | 72 |
| 117 | Physical characteristics of the ECAT 953B/31: a new high resolution brain positron tomograph. <i>IEEE Transactions on Medical Imaging</i> , 1991, 10, 499-504. | 5.4 | 71 |
| 118 | Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020, 51, 2111-2121. | 1.0 | 71 |
| 119 | Functional Magnetic Resonance Imaging at 1.5 T during Sensorimotor and Cognitive Task. <i>European Neurology</i> , 1995, 35, 131-136. | 0.6 | 70 |
| 120 | The genetic architecture of structural left-right asymmetry of the human brain. <i>Nature Human Behaviour</i> , 2021, 5, 1226-1239. | 6.2 | 70 |
| 121 | Kinetic data analysis with a noisy input function. <i>Physics in Medicine and Biology</i> , 1987, 32, 1569-1579. | 1.6 | 69 |
| 122 | PET study of the human foveal fixation system. <i>Human Brain Mapping</i> , 1999, 8, 28-43. | 1.9 | 69 |
| 123 | Regional cerebral blood flow in childhood autism: a SPECT study. <i>American Journal of Psychiatry</i> , 1992, 149, 924-930. | 4.0 | 68 |
| 124 | A PET meta-analysis of object and spatial mental imagery. <i>European Journal of Cognitive Psychology</i> , 2004, 16, 673-695. | 1.3 | 67 |
| 125 | Noninvasive quantification of muscarinic receptors in vivo with positron emission tomography in the dog heart. <i>Circulation</i> , 1990, 82, 1494-1504. | 1.6 | 66 |
| 126 | Association of White-Matter Lesions with Brain Atrophy Markers: The Three-City Dijon MRI Study. <i>Cerebrovascular Diseases</i> , 2009, 28, 177-184. | 0.8 | 65 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Pseudoneglect in line bisection judgement is associated with a modulation of right hemispheric spatial attention dominance in right-handers. <i>Neuropsychologia</i> , 2017, 94, 75-83. | 0.7 | 65 |
| 128 | Central D2Receptors and Negative Symptoms of Schizophrenia. <i>British Journal of Psychiatry</i> , 1994, 164, 27-34. | 1.7 | 64 |
| 129 | Multi-factorial modulation of hemispheric specialization and plasticity for language in healthy and pathological conditions: A review. <i>Cortex</i> , 2017, 86, 314-339. | 1.1 | 64 |
| 130 | Regional correlations between cortical thickness and surface area asymmetries: A surface-based morphometry study of 250 adults. <i>Neuropsychologia</i> , 2016, 93, 350-364. | 0.7 | 63 |
| 131 | Location of hand function in the sensorimotor cortex: MR and functional correlation. <i>American Journal of Neuroradiology</i> , 1994, 15, 567-72. | 1.2 | 63 |
| 132 | Neural Basis of Mental Scanning of a Topographic Representation Built from a Text. <i>Cerebral Cortex</i> , 2002, 12, 1322-1330. | 1.6 | 62 |
| 133 | Cerebral White Matter Lesions Are Associated With the Risk of Stroke But Not With Other Vascular Events. <i>Stroke</i> , 2009, 40, 2327-2331. | 1.0 | 62 |
| 134 | MRI atrophy of the caudate nucleus and slower walking speed in the elderly. <i>NeuroImage</i> , 2012, 60, 871-878. | 2.1 | 62 |
| 135 | Burden of Dilated Perivascular Spaces, an Emerging Marker of Cerebral Small Vessel Disease, Is Highly Heritable. <i>Stroke</i> , 2018, 49, 282-287. | 1.0 | 62 |
| 136 | Analysis of individual brain activation maps using hierarchical description and multiscale detection. <i>IEEE Transactions on Medical Imaging</i> , 1994, 13, 702-710. | 5.4 | 61 |
| 137 | Plasma lipids and cerebral small vessel disease. <i>Neurology</i> , 2014, 83, 1844-1852. | 1.5 | 61 |
| 138 | Abdominal obesity and lower gray matter volume: a Mendelian randomization study. <i>Neurobiology of Aging</i> , 2014, 35, 378-386. | 1.5 | 61 |
| 139 | Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796. | 5.8 | 61 |
| 140 | Cognitive inhibition of number/length interference in a Piaget-like task in young adults: Evidence from ERPs and fMRI. <i>Human Brain Mapping</i> , 2006, 27, 498-509. | 1.9 | 60 |
| 141 | Depression, depressive symptoms, and rate of hippocampal atrophy in a longitudinal cohort of older men and women. <i>Psychological Medicine</i> , 2015, 45, 1931-1944. | 2.7 | 59 |
| 142 | Apolipoprotein E Genotype Is Related to Progression of White Matter Lesion Load. <i>Stroke</i> , 2009, 40, 3186-3190. | 1.0 | 58 |
| 143 | A Sentence Supramodal Areas Atlas (SENSAAS) based on multiple task-induced activation mapping and graph analysis of intrinsic connectivity in 144 healthy right-handers. <i>Brain Structure and Function</i> , 2019, 224, 859-882. | 1.2 | 58 |
| 144 | Functional Neuroanatomy of the Human Visual Fixation System. <i>European Journal of Neuroscience</i> , 1995, 7, 169-174. | 1.2 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Finger tapping, handedness and grey matter amount in the Rolando's genu area. <i>NeuroImage</i> , 2005, 25, 1133-1145. | 2.1 | 55 |
| 146 | Strong rightward lateralization of the dorsal attentional network in left-handers with right sighting-eye: An evolutionary advantage. <i>Human Brain Mapping</i> , 2015, 36, 1151-1164. | 1.9 | 53 |
| 147 | Hemispheric specialization for language: Brain volume matters. <i>Brain Research</i> , 2006, 1068, 184-193. | 1.1 | 52 |
| 148 | Motor function in the elderly. <i>Neurology</i> , 2013, 81, 417-426. | 1.5 | 48 |
| 149 | Weak language lateralization affects both verbal and spatial skills: An fMRI study in 297 subjects. <i>Neuropsychologia</i> , 2014, 65, 56-62. | 0.7 | 48 |
| 150 | A population-based atlas of the human pyramidal tract in 410 healthy participants. <i>Brain Structure and Function</i> , 2019, 224, 599-612. | 1.2 | 48 |
| 151 | Stability of functional language lateralization over time in schizophrenia patients. <i>Schizophrenia Research</i> , 2007, 94, 197-206. | 1.1 | 47 |
| 152 | Functional Asymmetries Revealed in Visually Guided Saccades: An fMRI Study. <i>Journal of Neurophysiology</i> , 2009, 102, 2994-3003. | 0.9 | 47 |
| 153 | Intra-hemispheric intrinsic connectivity asymmetry and its relationships with handedness and language Lateralization. <i>Neuropsychologia</i> , 2016, 93, 437-447. | 0.7 | 47 |
| 154 | fMRI and PET of Self-Paced Finger Movement: Comparison of Intersubject Stereotaxic Averaged Data. <i>NeuroImage</i> , 1999, 10, 430-447. | 2.1 | 46 |
| 155 | Left Hemisphere Lateralization for Language in Right-Handers Is Controlled in Part by Familial Sinistrality, Manual Preference Strength, and Head Size. <i>Journal of Neuroscience</i> , 2010, 30, 13314-13318. | 1.7 | 46 |
| 156 | Functional connectivity in depressive, obsessive-compulsive, and schizophrenic disorders: an explorative correlational analysis of regional cerebral metabolism. <i>Psychiatry Research - Neuroimaging</i> , 1998, 82, 83-93. | 0.9 | 44 |
| 157 | Effect of Familial Sinistrality on Planum Temporale Surface and Brain Tissue Asymmetries. <i>Cerebral Cortex</i> , 2010, 20, 1476-1485. | 1.6 | 44 |
| 158 | Between-hand difference in ipsilateral deactivation is associated with hand lateralization: fMRI mapping of 284 volunteers balanced for handedness. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 5. | 1.0 | 42 |
| 159 | Relationships between hand laterality and verbal and spatial skills in 436 healthy adults balanced for handedness. <i>Laterality</i> , 2014, 19, 383-404. | 0.5 | 41 |
| 160 | The association between hemispheric specialization for language production and for spatial attention depends on left-hand preference strength. <i>Neuropsychologia</i> , 2016, 93, 394-406. | 0.7 | 41 |
| 161 | Hippocampal perivascular spaces are related to aging and blood pressure but not to cognition. <i>Neurobiology of Aging</i> , 2014, 35, 2118-2125. | 1.5 | 40 |
| 162 | Assessment of coronary reserve in man: comparison between positron emission tomography with oxygen-15-labeled water and intracoronary Doppler technique. <i>Journal of Nuclear Medicine</i> , 1993, 34, 1899-904. | 2.8 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | SPECT analysis of recent cerebral infarction.. Stroke, 1989, 20, 192-204. | 1.0 | 39 |
| 164 | Heschl's gyrification pattern is related to speech-listening hemispheric lateralization: FMRI investigation in 281 healthy volunteers. Brain Structure and Function, 2015, 220, 1585-1599. | 1.2 | 39 |
| 165 | Association of variants in <i>HTRA1</i> and <i>NOTCH3</i> with MRI-defined extremes of cerebral small vessel disease in older subjects. Brain, 2019, 142, 1009-1023. | 3.7 | 37 |
| 166 | In vivo NMR spectral parameter estimation: A comparison between time and frequency domain methods. Magnetic Resonance in Medicine, 1991, 18, 358-370. | 1.9 | 36 |
| 167 | Impact of the virtual reality on the neural representation of an environment. Human Brain Mapping, 2010, 31, 1065-1075. | 1.9 | 36 |
| 168 | Variation in homotopic areas' activity and inter-hemispheric intrinsic connectivity with type of language lateralization: an FMRI study of covert sentence generation in 297 healthy volunteers. Brain Structure and Function, 2016, 221, 2735-2753. | 1.2 | 36 |
| 169 | Cortical Hypometabolism and its Recovery following Nucleus Basalis Lesions in Baboons: A PET Study. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 812-817. | 2.4 | 35 |
| 170 | Longitudinal follow-up of individual white matter hyperintensities in a large cohort of elderly. Neuroradiology, 2009, 51, 209-220. | 1.1 | 35 |
| 171 | Variations of planum temporale asymmetries with Heschl's Gyri duplications and association with cognitive abilities: MRI investigation of 428 healthy volunteers. Brain Structure and Function, 2017, 222, 2711-2726. | 1.2 | 35 |
| 172 | Neuroimaging supports the representational nature of the earliest human engravings. Royal Society Open Science, 2019, 6, 190086. | 1.1 | 35 |
| 173 | A new EPI-based dynamic field mapping method: Application to retrospective geometrical distortion corrections. Journal of Magnetic Resonance Imaging, 2007, 26, 747-755. | 1.9 | 34 |
| 174 | Long-Term Clinical Impact of Vascular Brain Lesions on Magnetic Resonance Imaging in Older Adults in the Population. Stroke, 2016, 47, 2865-2869. | 1.0 | 34 |
| 175 | Using Diffusion Tensor Imaging and Mixed-Effects Models to Investigate Primary and Secondary White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2011, 26, 667-682. | 1.2 | 33 |
| 176 | EFFECTS OF ANTERIOR CORPUS CALLOSUM SECTION ON CORTICAL GLUCOSE UTILIZATION IN BABOONS. Brain, 1990, 113, 937-951. | 3.7 | 32 |
| 177 | Tremor and voluntary repetitive movement in Parkinson's disease: comparison before and after l-dopa with positron emission tomography. Experimental Brain Research, 1996, 107, 453-62. | 0.7 | 32 |
| 178 | Abnormal regional CBF response in left hemisphere of dysphasic children during a language task. Pediatric Neurology, 1994, 10, 20-26. | 1.0 | 31 |
| 179 | Does the enhancement of cholinergic neurotransmission influence brain glucose kinetics and clinical symptomatology in progressive supranuclear palsy?. Brain, 1995, 118, 1485-1495. | 3.7 | 30 |
| 180 | Surface-Based Morphometry of Cortical Thickness and Surface Area Associated with Heschl's Gyri Duplications in 430 Healthy Volunteers. Frontiers in Human Neuroscience, 2016, 10, 69. | 1.0 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. <i>Neurology</i> , 2019, 92, . | 1.5 | 30 |
| 182 | Functional deficit in the medial prefrontal cortex during a language comprehension task in patients with schizophrenia. <i>Schizophrenia Research</i> , 2008, 99, 304-311. | 1.1 | 29 |
| 183 | Disentangling the brain networks supporting affective speech comprehension. <i>NeuroImage</i> , 2012, 61, 1255-1267. | 2.1 | 29 |
| 184 | Intersubject Variability in Functional Neuroanatomy of Silent Verb Generation: Assessment by a New Activation Detection Algorithm Based on Amplitude and Size Information. <i>NeuroImage</i> , 1995, 2, 253-263. | 2.1 | 28 |
| 185 | White Matter Lesions are Associated with Specific Depressive Symptom Trajectories among Incident Depression and Dementia Populations: Three-City Dijon MRI Study. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 1311-1321. | 0.6 | 28 |
| 186 | Correlation between decreased myocardial glucose phosphorylation and the DNA mutation size in myotonic dystrophy.. <i>Circulation</i> , 1994, 90, 2629-2634. | 1.6 | 27 |
| 187 | Anatomical Congruence of Metabolic and Electromagnetic Activation Signals during a Self-Paced Motor Task: A Combined PET-MEG Study. <i>NeuroImage</i> , 1998, 7, 337-351. | 2.1 | 27 |
| 188 | White Matter Lesion Progression. <i>Stroke</i> , 2015, 46, 3048-3057. | 1.0 | 27 |
| 189 | A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019, 2, 285. | 2.0 | 27 |
| 190 | High dilated perivascular space burden: a new MRI marker for risk of intracerebral hemorrhage. <i>Neurobiology of Aging</i> , 2019, 84, 158-165. | 1.5 | 27 |
| 191 | Blunted Coronary Reserve in Myotonic Dystrophy An Early and Gene-Related Phenomenon. <i>Circulation</i> , 1996, 94, 973-977. | 1.6 | 27 |
| 192 | Typical and atypical language brain organization based on intrinsic connectivity and multitask functional asymmetries. <i>ELife</i> , 2020, 9, . | 2.8 | 27 |
| 193 | Dead time correction and counting statistics for positron tomography. <i>Physics in Medicine and Biology</i> , 1985, 30, 385-399. | 1.6 | 26 |
| 194 | Sex-related and tissue-specific effects of tobacco smoking on brain atrophy: assessment in a large longitudinal cohort of healthy elderly. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 299. | 1.7 | 26 |
| 195 | Is the planum temporale surface area a marker of hemispheric or regional language lateralization?. <i>Brain Structure and Function</i> , 2018, 223, 1217-1228. | 1.2 | 26 |
| 196 | Genetic effects on planum temporale asymmetry and their limited relevance to neurodevelopmental disorders, intelligence or educational attainment. <i>Cortex</i> , 2020, 124, 137-153. | 1.1 | 26 |
| 197 | Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 342. | 1.3 | 26 |
| 198 | Large-Scale Phenomic and Genomic Analysis of Brain Asymmetrical Skew. <i>Cerebral Cortex</i> , 2021, 31, 4151-4168. | 1.6 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Sexual Dimorphism in Healthy Aging and Mild Cognitive Impairment: A DTI Study. PLoS ONE, 2012, 7, e37021. | 1.1 | 26 |
| 200 | Differential Effect of White-Matter Lesions and Covert Brain Infarcts on the Risk of Ischemic Stroke and Intracerebral Hemorrhage. Stroke, 2016, 47, 1923-1925. | 1.0 | 25 |
| 201 | Plasma β -amyloid and MRI markers of cerebral small vessel disease. Neurology, 2014, 83, 2038-2045. | 1.5 | 24 |
| 202 | Association of plasma β -amyloid with MRI markers of structural brain aging the 3-City Dijon study. Neurobiology of Aging, 2015, 36, 2663-2670. | 1.5 | 24 |
| 203 | Effect of tissue heterogeneity on quantification in positron emission tomography. European Journal of Nuclear Medicine and Molecular Imaging, 1995, 22, 652-663. | 2.2 | 23 |
| 204 | Neural bases of image and language interactions. International Journal of Psychology, 2002, 37, 204-208. | 1.7 | 23 |
| 205 | Regional cerebral blood flow increases during wakeful rest following cognitive training. Brain Research Bulletin, 2009, 80, 133-138. | 1.4 | 23 |
| 206 | Predicting hemispheric dominance for language production in healthy individuals using support vector machine. Human Brain Mapping, 2017, 38, 5871-5889. | 1.9 | 23 |
| 207 | Regional Cerebral L-[14C-Methyl]Methionine Incorporation into Proteins: Evidence for Methionine Recycling in the Rat Brain. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 603-612. | 2.4 | 22 |
| 208 | Impaired cerebral glucose metabolism in myotonic dystrophy: a triplet-size dependent phenomenon. Neuromuscular Disorders, 1998, 8, 39-45. | 0.3 | 22 |
| 209 | Simulation of compartmental models for kinetic data from a positron emission tomograph. Computer Methods and Programs in Biomedicine, 1992, 37, 205-214. | 2.6 | 21 |
| 210 | Use of anatomical parcellation to catalog and study structure-function relationships in the human brain. , 1997, 5, 228-232. | | 21 |
| 211 | 3D Segmentation of Perivascular Spaces on T1-Weighted 3 Tesla MR Images With a Convolutional Autoencoder and a U-Shaped Neural Network. Frontiers in Neuroinformatics, 2021, 15, 641600. | 1.3 | 20 |
| 212 | Life-Course Socioeconomic Position and Hippocampal Atrophy in a Prospective Cohort of Older Adults. Psychosomatic Medicine, 2017, 79, 14-23. | 1.3 | 19 |
| 213 | Jean Talairach (1911-2007): A life in stereotaxy. Human Brain Mapping, 2008, 29, 250-252. | 1.9 | 18 |
| 214 | Reproducibility of fMRI activations during a story listening task in patients with schizophrenia. Schizophrenia Research, 2011, 128, 98-101. | 1.1 | 17 |
| 215 | Language lateralization in left-handed patients with schizophrenia. Neuropsychologia, 2011, 49, 313-319. | 0.7 | 17 |
| 216 | A Novel Group ICA Approach Based on Multi-scale Individual Component Clustering. Application to a Large Sample of fMRI Data. Neuroinformatics, 2012, 10, 269-285. | 1.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Exome Chip Analysis Identifies Low-Frequency and Rare Variants in <i>MRPL38</i> for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018, 49, 1812-1819. | 1.0 | 17 |
| 218 | Phantom-based performance evaluation: Application to brain segmentation from magnetic resonance images. <i>Medical Image Analysis</i> , 2000, 4, 303-316. | 7.0 | 16 |
| 219 | Neuroanatomy: Tool for functional localization, key to brain organization. <i>NeuroImage</i> , 2007, 37, 1059-1060. | 2.1 | 16 |
| 220 | Cognitive inhibition of number/length interference in a Piaget-like task: Evidence by combining ERP and MEG. <i>Clinical Neurophysiology</i> , 2009, 120, 1501-1513. | 0.7 | 16 |
| 221 | Sex-dependent modulation of activity in the neural networks engaged during emotional speech comprehension. <i>Brain Research</i> , 2011, 1390, 108-117. | 1.1 | 16 |
| 222 | Hippocampal Atrophy and Subsequent Depressive Symptoms in Older Men and Women: Results From a 10-Year Prospective Cohort. <i>American Journal of Epidemiology</i> , 2014, 180, 385-393. | 1.6 | 16 |
| 223 | Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139. | 1.6 | 16 |
| 224 | When a schizophrenic deficit becomes a reasoning advantage. <i>Schizophrenia Research</i> , 2006, 84, 359-364. | 1.1 | 14 |
| 225 | Genome sequencing for rightward hemispheric language dominance. <i>Genes, Brain and Behavior</i> , 2019, 18, e12572. | 1.1 | 14 |
| 226 | Count rate performances of TTVO3: the CEA-LETI time-of-flight positron emission tomograph. <i>IEEE Transactions on Medical Imaging</i> , 1991, 10, 261-266. | 5.4 | 13 |
| 227 | Cluster analysis in individual functional brain images: Some new techniques to enhance the sensitivity of activation detection methods. <i>Human Brain Mapping</i> , 1994, 2, 103-111. | 1.9 | 13 |
| 228 | Impact of cognitive performance on the reproducibility of fMRI activation in schizophrenia. <i>Journal of Psychiatry and Neuroscience</i> , 2010, 35, 378-389. | 1.4 | 13 |
| 229 | A common neural system is activated in hearing non-signers to process French Sign language and spoken French. <i>Brain Research Bulletin</i> , 2011, 84, 75-87. | 1.4 | 13 |
| 230 | Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , 2017, 153, 399-409. | 2.1 | 13 |
| 231 | Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. <i>Cerebral Cortex</i> , 2020, 30, 575-586. | 1.6 | 13 |
| 232 | Morphological and kinetic abnormalities of platelets in hypercholesterolemic rabbits. <i>Atherosclerosis</i> , 1988, 74, 23-32. | 0.4 | 12 |
| 233 | Planum temporale asymmetry and models of dominance for language: a reappraisal. <i>NeuroReport</i> , 2004, 15, 1057-1059. | 0.6 | 12 |
| 234 | Neural support of manual preference revealed by BOLD variations during right and left finger-tapping in a sample of 287 healthy adults balanced for handedness. <i>Laterality</i> , 2021, 26, 398-420. | 0.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Deep Learning-based Classification of Resting-state fMRI Independent-component Analysis. <i>Neuroinformatics</i> , 2021, 19, 619-637. | 1.5 | 12 |
| 236 | Fish Intake and MRI Burden of Cerebrovascular Disease in Older Adults. <i>Neurology</i> , 2021, 97, e2213-e2222. | 1.5 | 12 |
| 237 | VoxelLine: a software program for 3D real-time visualization of biomedical images. <i>Computerized Medical Imaging and Graphics</i> , 1998, 22, 275-289. | 3.5 | 11 |
| 238 | The MRi-Share database: brain imaging in a cross-sectional cohort of 1870 university students. <i>Brain Structure and Function</i> , 2021, 226, 2057-2085. | 1.2 | 11 |
| 239 | Rapid measurement of regional cerebral blood flow in the baboon using ¹⁵ O-labelled water and dynamic positron emission tomography. <i>Medical and Biological Engineering and Computing</i> , 1993, 31, 495-502. | 1.6 | 10 |
| 240 | Cortical region of interest definition on SPECT brain images using X-ray CT registration. <i>Neuroradiology</i> , 1992, 34, 510-516. | 1.1 | 9 |
| 241 | Neural correlates of counting large numerosity. <i>ZDM - International Journal on Mathematics Education</i> , 2010, 42, 569-577. | 1.3 | 8 |
| 242 | Functional deficit in the medial prefrontal cortex in patients with chronic schizophrenia, first psychotic episode, and bipolar disorders. <i>Bipolar Disorders</i> , 2010, 12, 450-452. | 1.1 | 8 |
| 243 | Structural brain lesions and restless legs syndrome: a cross-sectional population-based study. <i>BMJ Open</i> , 2014, 4, e005938. | 0.8 | 8 |
| 244 | Cortical Asymmetries during Hand Laterality Task Vary with Hand Laterality: A fMRI Study in 295 Participants. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 628. | 1.0 | 8 |
| 245 | Unsupervised fuzzy clustering analysis of fMRI series. , 0, , . | | 7 |
| 246 | Intracortical Myelination of Heschl's Gyrus and the Planum Temporale Varies With Heschl's Duplication Pattern and Rhyming Performance: An Investigation of 440 Healthy Volunteers. <i>Cerebral Cortex</i> , 2019, 29, 2072-2083. | 1.6 | 7 |
| 247 | Novel characterization of the relationship between verbal list-learning outcomes and hippocampal subfields in healthy adults. <i>Human Brain Mapping</i> , 2021, 42, 5264-5277. | 1.9 | 7 |
| 248 | The neural correlates of highly iconic structures and topographic discourse in French Sign Language as observed in six hearing native signers. <i>Brain and Language</i> , 2010, 114, 180-192. | 0.8 | 6 |
| 249 | Distinct Hippocampal Subfields Atrophy in Older People With Vascular Brain Injuries. <i>Stroke</i> , 2021, 52, 1741-1750. | 1.0 | 6 |
| 250 | Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. <i>Brain</i> , 2022, 145, 1992-2007. | 3.7 | 6 |
| 251 | Development and validation of a priori risk model for extensive white matter lesions in people age 65 years or older: the Dijon MRI study. <i>BMJ Open</i> , 2017, 7, e018328. | 0.8 | 5 |
| 252 | Age-Related Variations in Regional White Matter Volumetry and Microstructure During the Post-adolescence Period: A Cross-Sectional Study of a Cohort of 1,713 University Students. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 692152. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Superior Parietal Lobule Involvement in the Representation of Visual Space: a PET Review. , 1997, , 77-91. | | 5 |
| 254 | Association Between Cerebral Small Vessel Disease With Antidepressant Use and Depression. Stroke, 2020, 51, 402-408. | 1.0 | 4 |
| 255 | Contrate Performances Of TTV03, The CEA-LETI Time-of-flight Positron Emission Tomograph.. , 0, , . | | 3 |
| 256 | A Review of Database Management Systems Suitable for Neuroimaging. Methods of Information in Medicine, 1999, 38, 132-139. | 0.7 | 3 |
| 257 | B-SPID: An object-relational database architecture to store, retrieve, and manipulate neuroimaging data. , 1999, 7, 136-150. | | 3 |
| 258 | Prevalence, Severity, and Clinical Management of Brain Incidental Findings in Healthy Young Adults: MRI-Share Cross-Sectional Study. Frontiers in Neurology, 2021, 12, 675244. | 1.1 | 3 |
| 259 | Physical Characteristics Of The Ecatt 953b/31: A New High Resolution Brain Positron Tomograph. , 0, , . | | 2 |
| 260 | The roots of cognitive science: American, yes, but European too. Trends in Cognitive Sciences, 2003, 7, 283-284. | 4.0 | 2 |
| 261 | High resolution 3T fMRI in anesthetized monkeys. Journal of Neuroscience Methods, 2012, 205, 86-95. | 1.3 | 2 |
| 262 | What can we learn from healthy atypical individuals on the segregation of complementary functions?. Physics of Life Reviews, 2019, 30, 34-37. | 1.5 | 2 |
| 263 | Biological Underpinnings of Anatomic Consistency and Variability in the Human Brain. , 2000, , 449-463. | | 2 |
| 264 | Chest radiography with a shaped filter at 140 kVp: its diagnostic accuracy compared with that of standard radiographs. American Journal of Roentgenology, 1988, 150, 1007-1010. | 1.0 | 1 |
| 265 | MRI of liver tumors using gadolinium-DOTA: Prospective study comparing spin-echo long TR-TE sequence and CT. Magnetic Resonance Imaging, 1991, 9, 235-245. | 1.0 | 1 |
| 266 | Brain tissue classification in MR images based on a 3D MRF model. , 0, , . | | 1 |
| 267 | Phantom based segmentation assessment for MRI images. , 0, , . | | 1 |
| 268 | Genomic Studies Across the Lifespan Point to Early Mechanisms Determining Subcortical Volumes. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 616-628. | 1.1 | 1 |
| 269 | Do Executed, Imagined and Suppressed Saccadic Eye Movements Share the Same Neuronal Mechanisms in Healthy Human ?. , 1996, , 153-164. | | 1 |
| 270 | Imagerie cérébrale de l'imagerie mentale.. Medecine/Sciences, 1999, 15, 475. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | A study of the signal-to-noise ratio using Time-of-Flight information on a positron emission tomograph. , 1992, , . | | 0 |
| 272 | Effect of tissue heterogeneity on quantification in positron emission tomography: reply. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 855-858. | 2.2 | 0 |
| 273 | Neuro-imagerie cognitive. Annales De L'Institut Pasteur / Actualit s, 1998, 9, 271-278. | 0.1 | 0 |
| 274 | Variability of speech hemispheric specialization in schizophrenia. Schizophrenia Research, 2003, 60, 216. | 1.1 | 0 |
| 275 | Brain, language, and handedness: a family affair. Nature Precedings, 2009, , . | 0.1 | 0 |
| 276 | NEURAL NETWORKS FOR EMOTIONAL DISCOURSE COMPREHENSION IN SCHIZOPHRENIA. Schizophrenia Research, 2010, 117, 467-468. | 1.1 | 0 |
| 277 | Combining Functional MRI with Neurochemical Mapping Obtained with PET and SPECT. Medical Radiology, 2000, , 465-471. | 0.0 | 0 |
| 278 | 9. Imagerie par r sonance magn tique fonctionnelle. Questions De Personne, 2001, , 179-205. | 0.2 | 0 |
| 279 | Positron Emission Tomographic Studies of Saccadic Eye Movements in Healthy Humans. , 1994, , 117-123. | | 0 |
| 280 | Individual Detection of Activations Using Amplitude and Size Information. , 1996, , 342-348. | | 0 |