

Alexander Hammers

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

10,703
citations

54
h-index

102
g-index

185
ext. papers

13,266
ext. citations

6.9
avg, IF

5.91
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 168 | Knowledge barriers in a national symptomatic-COVID-19 testing programme. <i>PLOS Global Public Health</i> , 2022 , 2, e0000028 | | 3 |
| 167 | Symptom prevalence, duration, and risk of hospital admission in individuals infected with SARS-CoV-2 during periods of omicron and delta variant dominance: a prospective observational study from the ZOE COVID Study.. <i>Lancet, The</i> , 2022 , | 4.0 | 36 |
| 166 | Illness Characteristics of COVID-19 in Children Infected with the SARS-CoV-2 Delta Variant. <i>Children</i> , 2022 , 9, 652 | 2.8 | 1 |
| 165 | Accessible data curation and analytics for international-scale citizen science datasets. <i>Scientific Data</i> , 2021 , 8, 297 | 8.2 | 4 |
| 164 | Uncertainty analysis of MR-PET image registration for precision neuro-PET imaging. <i>NeuroImage</i> , 2021 , 232, 117821 | 7.9 | 1 |
| 163 | Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. <i>Lancet Public Health, The</i> , 2021 , 6, e335-e345 | 22.4 | 146 |
| 162 | Vaccine side-effects and SARS-CoV-2 infection after vaccination in users of the COVID Symptom Study app in the UK: a prospective observational study. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 939-949 | 25.5 | 284 |
| 161 | GABA 5 subunit-containing GABA receptors in temporal lobe epilepsy with normal MRI. <i>Brain Communications</i> , 2021 , 3, fcaa190 | 4.5 | 1 |
| 160 | Imitation learning for improved 3D PET/MR attenuation correction. <i>Medical Image Analysis</i> , 2021 , 71, 102079 | 15.4 | 3 |
| 159 | N-methyl-D-aspartate receptor availability in first-episode psychosis: a PET-MR brain imaging study. <i>Translational Psychiatry</i> , 2021 , 11, 425 | 8.6 | 2 |
| 158 | Anxiety and depression symptoms after COVID-19 infection: results from the COVID Symptom Study app. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 1254-1258 | 5.5 | 2 |
| 157 | Risk factors and disease profile of post-vaccination SARS-CoV-2 infection in UK users of the COVID Symptom Study app: a prospective, community-based, nested, case-control study. <i>Lancet Infectious Diseases, The</i> , 2021 , | 25.5 | 115 |
| 156 | Diet quality and risk and severity of COVID-19: a prospective cohort study. <i>Gut</i> , 2021 , 70, 2096-2104 | 19.2 | 30 |
| 155 | Tiagabine induced modulation of oscillatory connectivity and activity match PET-derived, canonical GABA-A receptor distributions. <i>European Neuropsychopharmacology</i> , 2021 , 50, 34-45 | 1.2 | 0 |
| 154 | CERMEP-IDB-MRXFDG: a database of 37 normal adult human brain [F]FDG PET, T1 and FLAIR MRI, and CT images available for research. <i>EJNMMI Research</i> , 2021 , 11, 91 | 3.6 | 1 |
| 153 | Illness duration and symptom profile in symptomatic UK school-aged children tested for SARS-CoV-2. <i>The Lancet Child and Adolescent Health</i> , 2021 , 5, 708-718 | 14.5 | 98 |
| 152 | Disentangling post-vaccination symptoms from early COVID-19. <i>EClinicalMedicine</i> , 2021 , 42, 101212 | 11.3 | 1 |

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| 151 | Motion-corrected and high-resolution anatomically assisted (MOCHA) reconstruction of arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 1306-1320 | 4.4 | 3 |
| 150 | On brain atlas choice and automatic segmentation methods: a comparison of MAPER & FreeSurfer using three atlas databases. <i>Scientific Reports</i> , 2020 , 10, 2837 | 4.9 | 13 |
| 149 | Impaired connectivity within neuromodulatory networks in multiple sclerosis and clinical implications. <i>Journal of Neurology</i> , 2020 , 267, 2042-2053 | 5.5 | 9 |
| 148 | Competencies and training of radiographers and technologists for PET/MR imaging - a study from the UK MR-PET network. <i>European Journal of Hybrid Imaging</i> , 2020 , 4, 1 | 1.7 | 4 |
| 147 | Evaluation of [N]ammonia positron emission tomography as a potential method for quantifying glutamine synthetase activity in the human brain. <i>EJNMMI Research</i> , 2020 , 10, 146 | 3.6 | 0 |
| 146 | Accuracy and precision of zero-echo-time, single- and multi-atlas attenuation correction for dynamic [C]PE2I PET-MR brain imaging. <i>EJNMMI Physics</i> , 2020 , 7, 77 | 4.4 | 4 |
| 145 | Patch-Based Brain Age Estimation from MR Images. <i>Lecture Notes in Computer Science</i> , 2020 , 98-107 | 0.9 | 3 |
| 144 | Stereo-EEG exploration in a case of eating epilepsy with cutlery-induced seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 74, 56-59 | 3.2 | 2 |
| 143 | [F]Florbetapir PET/MR imaging to assess demyelination in multiple sclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 366-378 | 8.8 | 6 |
| 142 | The predictive value of hypometabolism in focal epilepsy: a prospective study in surgical candidates. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1806-1816 | 8.8 | 22 |
| 141 | Imaging localized neuronal activity at fast time scales through biomechanics. <i>Science Advances</i> , 2019 , 5, eaav3816 | 14.3 | 18 |
| 140 | Intercomparison of MR-informed PET image reconstruction methods. <i>Medical Physics</i> , 2019 , 46, 5055-5074 | 4.4 | 14 |
| 139 | Pseudo-normal PET Synthesis with Generative Adversarial Networks for Localising Hypometabolism in Epilepsies. <i>Lecture Notes in Computer Science</i> , 2019 , 42-51 | 0.9 | 4 |
| 138 | Decreased GABA-A Receptor Binding in Association With β -Lactam Antibiotic Use. <i>Clinical Nuclear Medicine</i> , 2019 , 44, 981-982 | 1.7 | 0 |
| 137 | Comment on "In Vivo [F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates". <i>ACS Chemical Neuroscience</i> , 2019 , 10, 768-772 | 5.7 | 10 |
| 136 | Multi-modal synergistic PET and MR reconstruction using mutually weighted quadratic priors. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 2120-2134 | 4.4 | 8 |
| 135 | Glycine Amidinotransferase (GATM), Renal Fanconi Syndrome, and Kidney Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1849-1858 | 12.7 | 26 |
| 134 | Synergistic PET and SENSE MR Image Reconstruction Using Joint Sparsity Regularization. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 20-34 | 11.7 | 27 |

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| 133 | A Systematic Review and Aggregated Analysis on the Impact of Amyloid PET Brain Imaging on the Diagnosis, Diagnostic Confidence, and Management of Patients being Evaluated for Alzheimer β Disease. <i>Journal of Alzheimers Disease</i> , 2018 , 63, 783-796 | 4.3 | 37 |
| 132 | Spatially-Compact MR-Guided Kernel EM for PET Image Reconstruction. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 470-482 | 4.2 | 14 |
| 131 | Modelling the progression of Alzheimer β disease in MRI using generative adversarial networks 2018 , | | 13 |
| 130 | Simplifying [F]GE-179 PET: are both arterial blood sampling and 90-min acquisitions essential?. <i>EJNMMI Research</i> , 2018 , 8, 46 | 3.6 | 3 |
| 129 | A dual-tuned C/ H head coil for PET/MR hybrid neuroimaging: Development, attenuation correction, and first evaluation. <i>Medical Physics</i> , 2018 , 45, 4877-4887 | 4.4 | 5 |
| 128 | MR-Guided Kernel EM Reconstruction for Reduced Dose PET Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 235-243 | 4.2 | 35 |
| 127 | Macroanatomy and 3D probabilistic atlas of the human insula. <i>NeuroImage</i> , 2017 , 150, 88-98 | 7.9 | 50 |
| 126 | Multi-atlas attenuation correction supports full quantification of static and dynamic brain PET data in PET-MR. <i>Physics in Medicine and Biology</i> , 2017 , 62, 2834-2858 | 3.8 | 27 |
| 125 | Test-retest reproducibility of quantitative binding measures of [C]Ro15-4513, a PET ligand for GABA receptors containing alpha5 subunits. <i>NeuroImage</i> , 2017 , 152, 270-282 | 7.9 | 15 |
| 124 | A multi-centre evaluation of eleven clinically feasible brain PET/MRI attenuation correction techniques using a large cohort of patients. <i>NeuroImage</i> , 2017 , 147, 346-359 | 7.9 | 149 |
| 123 | Gyri of the human parietal lobe: Volumes, spatial extents, automatic labelling, and probabilistic atlases. <i>PLoS ONE</i> , 2017 , 12, e0180866 | 3.7 | 14 |
| 122 | Brain lesion segmentation through image synthesis and outlier detection. <i>NeuroImage: Clinical</i> , 2017 , 16, 643-658 | 5.3 | 25 |
| 121 | Acute induction of anxiety in humans by delta-9-tetrahydrocannabinol related to amygdalar cannabinoid-1 (CB1) receptors. <i>Scientific Reports</i> , 2017 , 7, 15025 | 4.9 | 40 |
| 120 | PET image reconstruction using multi-parametric anato-functional priors. <i>Physics in Medicine and Biology</i> , 2017 , 62, 5975-6007 | 3.8 | 37 |
| 119 | Pseudo-healthy Image Synthesis for White Matter Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 87-96 | 0.9 | 12 |
| 118 | Diagnostic accuracy of (18)F amyloid PET tracers for the diagnosis of Alzheimer β disease: a systematic review and meta-analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 374-385 | 8.8 | 136 |
| 117 | Detection of Lesions Underlying Intractable Epilepsy on T1-Weighted MRI as an Outlier Detection Problem. <i>PLoS ONE</i> , 2016 , 11, e0161498 | 3.7 | 27 |
| 116 | Using [(11)C]Ro15 4513 PET to characterise GABA-benzodiazepine receptors in opiate addiction: Similarities and differences with alcoholism. <i>NeuroImage</i> , 2016 , 132, 1-7 | 7.9 | 7 |

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| 115 | Evaluation of several multi-atlas methods for PSEUDO-CT generation in brain MRI-PET attenuation correction 2015 , | | 13 |
| 114 | Pseudo-CT generation in brain MR-PET attenuation correction: comparison of several multi-atlas methods. <i>EJNMMI Physics</i> , 2015 , 2, A29 | 4.4 | 8 |
| 113 | Brain Extraction Using Label Propagation and Group Agreement: Pinfram. <i>PLoS ONE</i> , 2015 , 10, e0129211 | 3.7 | 34 |
| 112 | Neuroanatomical Correlates of Recognizing Face Expressions in Mild Stages of Alzheimer's Disease. <i>PLoS ONE</i> , 2015 , 10, e0143586 | 3.7 | 27 |
| 111 | Robust whole-brain segmentation: application to traumatic brain injury. <i>Medical Image Analysis</i> , 2015 , 21, 40-58 | 15.4 | 106 |
| 110 | Diagnostic classification of arterial spin labeling and structural MRI in presenile early stage dementia. <i>Human Brain Mapping</i> , 2014 , 35, 4916-31 | 5.9 | 65 |
| 109 | Test-retest reproducibility of cannabinoid-receptor type 1 availability quantified with the PET ligand [¹¹ C]MePPEP. <i>NeuroImage</i> , 2014 , 97, 151-62 | 7.9 | 15 |
| 108 | Initial evaluation of 18F-GE-179, a putative PET Tracer for activated N-methyl D-aspartate receptors. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 423-30 | 8.9 | 58 |
| 107 | Acute increases in synaptic GABA detectable in the living human brain: a [¹¹ C]Ro15-4513 PET study. <i>NeuroImage</i> , 2014 , 99, 158-65 | 7.9 | 37 |
| 106 | Consistent and robust 4D whole-brain segmentation: Application to traumatic brain injury 2014 , | | 3 |
| 105 | The predictive power of brain mRNA mappings for in vivo protein density: a positron emission tomography correlation study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 827-35 | 7.3 | 31 |
| 104 | Accuracy of distinguishing between dysembryoplastic neuroepithelial tumors and other epileptogenic brain neoplasms with [¹¹ C]methionine PET. <i>Neuro-Oncology</i> , 2014 , 16, 1417-26 | 1 | 14 |
| 103 | Amygdalar atrophy in early Alzheimer's disease. <i>Current Alzheimer Research</i> , 2014 , 11, 239-52 | 3 | 34 |
| 102 | 2013 , | | 5 |
| 101 | Positron emission tomography with [¹¹ C]methyl-L-tryptophan in tuberous sclerosis complex-related epilepsy. <i>Epilepsia</i> , 2013 , 54, 2143-50 | 6.4 | 27 |
| 100 | History of cigarette smoking is associated with higher limbic GABAA receptor availability. <i>NeuroImage</i> , 2013 , 69, 70-7 | 7.9 | 17 |
| 99 | Periventricular [(11)C]flumazenil binding for predicting postoperative outcome in individual patients with temporal lobe epilepsy and hippocampal sclerosis. <i>NeuroImage: Clinical</i> , 2013 , 3, 242-8 | 5.3 | 8 |
| 98 | Magnetic resonance volumetry reveals focal brain atrophy in transient epileptic amnesia. <i>Epilepsy and Behavior</i> , 2013 , 28, 363-9 | 3.2 | 35 |

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| 97 | Quantification of opioid receptor availability following spontaneous epileptic seizures: correction of [11C]diprenorphine PET data for the partial-volume effect. <i>NeuroImage</i> , 2013 , 79, 72-80 | 7.9 | 14 |
| 96 | Random forest-based similarity measures for multi-modal classification of Alzheimer's disease. <i>NeuroImage</i> , 2013 , 65, 167-75 | 7.9 | 286 |
| 95 | The value of magnetoencephalography for seizure-onset zone localization in magnetic resonance imaging-negative partial epilepsy. <i>Brain</i> , 2013 , 136, 3176-86 | 11.2 | 66 |
| 94 | Neurological features of epilepsy, ataxia, sensorineural deafness, tubulopathy syndrome. <i>Developmental Medicine and Child Neurology</i> , 2013 , 55, 846-56 | 3.3 | 46 |
| 93 | Improving whole-brain segmentations through incorporating regional image intensity statistics 2013 , | | 1 |
| 92 | Magnetic resonance imaging of the newborn brain: automatic segmentation of brain images into 50 anatomical regions. <i>PLoS ONE</i> , 2013 , 8, e59990 | 3.7 | 65 |
| 91 | Multi-class brain segmentation using atlas propagation and EM-based refinement 2012 , | | 17 |
| 90 | Automatic segmentation of pediatric brain MRIs using a maximum probability pediatric atlas 2012 , | | 4 |
| 89 | Automated measurement of local white matter lesion volume. <i>NeuroImage</i> , 2012 , 59, 3901-8 | 7.9 | 11 |
| 88 | Multi-region analysis of longitudinal FDG-PET for the classification of Alzheimer's disease. <i>NeuroImage</i> , 2012 , 60, 221-9 | 7.9 | 101 |
| 87 | Magnetic resonance imaging of the newborn brain: manual segmentation of labelled atlases in term-born and preterm infants. <i>NeuroImage</i> , 2012 , 62, 1499-509 | 7.9 | 119 |
| 86 | Tailored excitation in 3D with spiral nonselective (SPINS) RF pulses. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 1303-15 | 4.4 | 46 |
| 85 | A [11C]Ro15 4513 PET study suggests that alcohol dependence in man is associated with reduced β benzodiazepine receptors in limbic regions. <i>Journal of Psychopharmacology</i> , 2012 , 26, 273-81 | 4.6 | 39 |
| 84 | Classification and lateralization of temporal lobe epilepsies with and without hippocampal atrophy based on whole-brain automatic MRI segmentation. <i>PLoS ONE</i> , 2012 , 7, e33096 | 3.7 | 49 |
| 83 | Global-two-stage filtering of clinical PET parametric maps: application to [(11)C]-(R)-PK11195. <i>NeuroImage</i> , 2011 , 55, 942-53 | 7.9 | 6 |
| 82 | Automatic morphometry in Alzheimer's disease and mild cognitive impairment. <i>NeuroImage</i> , 2011 , 56, 2024-37 | 7.9 | 101 |
| 81 | Relationships between hippocampal microstructure, metabolism, and function in early Alzheimer's disease. <i>Brain Structure and Function</i> , 2011 , 216, 219-26 | 4 | 13 |
| 80 | Glutamate NMDA receptor dysregulation in Parkinson's disease with dyskinesias. <i>Brain</i> , 2011 , 134, 979-86 | 11.2 | 152 |

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|----|---|-----|-----|
| 79 | Regional analysis of FDG-PET for use in the classification of Alzheimer's Disease 2011 , | | 14 |
| 78 | Random Forest-Based Manifold Learning for Classification of Imaging Data in Dementia. <i>Lecture Notes in Computer Science</i> , 2011 , 159-166 | 0.9 | 12 |
| 77 | Voxel-based analysis of asymmetry index maps increases the specificity of 18F-MPPF PET abnormalities for localizing the epileptogenic zone in temporal lobe epilepsies. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1732-9 | 8.9 | 34 |
| 76 | Atlas selection strategy for automatic segmentation of pediatric brain MRIs into 83 ROIs 2010 , | | 4 |
| 75 | A robust method to estimate the intracranial volume across MRI field strengths (1.5T and 3T). <i>NeuroImage</i> , 2010 , 50, 1427-37 | 7.9 | 96 |
| 74 | Improving intersubject image registration using tissue-class information benefits robustness and accuracy of multi-atlas based anatomical segmentation. <i>NeuroImage</i> , 2010 , 51, 221-7 | 7.9 | 139 |
| 73 | Measurement of hippocampal atrophy using 4D graph-cut segmentation: application to ADNI. <i>NeuroImage</i> , 2010 , 52, 109-18 | 7.9 | 113 |
| 72 | Reproducibility of thalamic segmentation based on probabilistic tractography. <i>NeuroImage</i> , 2010 , 52, 69-85 | 7.9 | 62 |
| 71 | LEAP: learning embeddings for atlas propagation. <i>NeuroImage</i> , 2010 , 49, 1316-25 | 7.9 | 190 |
| 70 | Identifying population differences in whole-brain structural networks: a machine learning approach. <i>NeuroImage</i> , 2010 , 50, 910-9 | 7.9 | 76 |
| 69 | Increased hippocampal head diffusivity predicts impaired episodic memory performance in early Alzheimer's disease. <i>Neuropsychologia</i> , 2010 , 48, 1447-53 | 3.2 | 26 |
| 68 | Segmentation of subcortical structures and the hippocampus in brain MRI using graph-cuts and subject-specific a-priori information 2009 , | | 5 |
| 67 | Automatic segmentation of brain MRIs and mapping neuroanatomy across the human lifespan 2009 , | | 1 |
| 66 | Evaluation of atlas-based segmentation of hippocampi in healthy humans. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 1104-9 | 3.3 | 31 |
| 65 | Brain opioid receptor binding in early abstinence from alcohol dependence and relationship to craving: an [¹¹ C]diprenorphine PET study. <i>European Neuropsychopharmacology</i> , 2009 , 19, 740-8 | 1.2 | 58 |
| 64 | SPM-based count normalization provides excellent discrimination of mild Alzheimer's disease and amnesic mild cognitive impairment from healthy aging. <i>NeuroImage</i> , 2009 , 44, 43-50 | 7.9 | 99 |
| 63 | Evidence for endogenous opioid release in the amygdala during positive emotion. <i>NeuroImage</i> , 2009 , 44, 252-6 | 7.9 | 60 |
| 62 | Functional and structural synergy for resolution recovery and partial volume correction in brain PET. <i>NeuroImage</i> , 2009 , 44, 340-8 | 7.9 | 70 |

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|----|--|------|-----|
| 61 | Automatic segmentation of the hippocampus and the amygdala driven by hybrid constraints: method and validation. <i>NeuroImage</i> , 2009 , 46, 749-61 | 7.9 | 147 |
| 60 | Multi-atlas based segmentation of brain images: atlas selection and its effect on accuracy. <i>NeuroImage</i> , 2009 , 46, 726-38 | 7.9 | 666 |
| 59 | [11C]Flumazenil PET in temporal lobe epilepsy: do we need an arterial input function or kinetic modeling?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 207-16 | 7.3 | 30 |
| 58 | Choice of reference area in studies of Alzheimer's disease using positron emission tomography with fluorodeoxyglucose-F18. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 164, 143-53 | 2.9 | 80 |
| 57 | Microglia, amyloid, and cognition in Alzheimer's disease: An [11C](R)PK11195-PET and [11C]PIB-PET study. <i>Neurobiology of Disease</i> , 2008 , 32, 412-9 | 7.5 | 395 |
| 56 | Comorbidity between temporal lobe epilepsy and depression: a [18F]MPPF PET study. <i>Brain</i> , 2008 , 131, 2765-82 | 11.2 | 83 |
| 55 | Automatic segmentation of brain MRIs of 2-year-olds into 83 regions of interest. <i>NeuroImage</i> , 2008 , 40, 672-684 | 7.9 | 239 |
| 54 | PET imaging of brain 5-HT1A receptors in the preoperative evaluation of temporal lobe epilepsy. <i>Brain</i> , 2008 , 131, 2751-64 | 11.2 | 54 |
| 53 | Neuronal loss associated with cognitive performance in amyotrophic lateral sclerosis: an (11C)-flumazenil PET study. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2008 , 9, 43-9 | | 41 |
| 52 | Automatic volumetry on MR brain images can support diagnostic decision making. <i>BMC Medical Imaging</i> , 2008 , 8, 9 | 2.9 | 13 |
| 51 | Multivariate statistical analysis of whole brain structural networks obtained using probabilistic tractography. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 486-93 | 0.9 | 8 |
| 50 | Opioid Imaging. <i>PET Clinics</i> , 2007 , 2, 67-89 | 2.2 | 2 |
| 49 | Brain opioid receptor binding in early abstinence from opioid dependence: positron emission tomography study. <i>British Journal of Psychiatry</i> , 2007 , 191, 63-9 | 5.4 | 58 |
| 48 | Statistical neuroanatomy of the human inferior frontal gyrus and probabilistic atlas in a standard stereotaxic space. <i>Human Brain Mapping</i> , 2007 , 28, 34-48 | 5.9 | 53 |
| 47 | Pharmacoresistance in epilepsy: a pilot PET study with the P-glycoprotein substrate R-[(11)C]verapamil. <i>Epilepsia</i> , 2007 , 48, 1774-1784 | 6.4 | 101 |
| 46 | Cortical involvement in four cases of primary lateral sclerosis using [(11)C]-flumazenil PET. <i>Journal of Neurology</i> , 2007 , 254, 1033-6 | 5.5 | 33 |
| 45 | Upregulation of opioid receptor binding following spontaneous epileptic seizures. <i>Brain</i> , 2007 , 130, 1009-16 | | 84 |
| 44 | Volumetric cortical loss in sporadic and familial amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2007 , 8, 343-7 | | 39 |

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| 43 | Automated localization of periventricular and subcortical white matter lesions 2007 , | | 2 |
| 42 | A systematic comparison of kinetic modelling methods generating parametric maps for [(11C)-(R)-PK11195. <i>NeuroImage</i> , 2007 , 36, 28-37 | 7.9 | 33 |
| 41 | Automatic detection and quantification of hippocampal atrophy on MRI in temporal lobe epilepsy: a proof-of-principle study. <i>NeuroImage</i> , 2007 , 36, 38-47 | 7.9 | 83 |
| 40 | Volumes, spatial extents and a probabilistic atlas of the human basal ganglia and thalamus. <i>NeuroImage</i> , 2007 , 38, 261-70 | 7.9 | 84 |
| 39 | Balancing bias, reliability, noise properties and the need for parametric maps in quantitative ligand PET: [(11C)diprenorphine test-retest data. <i>NeuroImage</i> , 2007 , 38, 82-94 | 7.9 | 41 |
| 38 | Fully automatic segmentation of the hippocampus and the amygdala from MRI using hybrid prior knowledge. <i>Lecture Notes in Computer Science</i> , 2007 , 10, 875-82 | 0.9 | 11 |
| 37 | Classifier selection strategies for label fusion using large atlas databases 2007 , 10, 523-31 | | 41 |
| 36 | Similarity metrics for groupwise non-rigid registration 2007 , 10, 544-52 | | 20 |
| 35 | Reference and target region modeling of [11C]-(R)-PK11195 brain studies. <i>Journal of Nuclear Medicine</i> , 2007 , 48, 158-67 | 8.9 | 207 |
| 34 | In vivo imaging of microglial activation with [11C](R)-PK11195 PET in idiopathic Parkinson's disease. <i>Neurobiology of Disease</i> , 2006 , 21, 404-12 | 7.5 | 806 |
| 33 | Automatic anatomical brain MRI segmentation combining label propagation and decision fusion. <i>NeuroImage</i> , 2006 , 33, 115-26 | 7.9 | 684 |
| 32 | Opioid imaging. <i>Neuroimaging Clinics of North America</i> , 2006 , 16, 529-52, vii | 3 | 17 |
| 31 | Diffeomorphic registration using B-splines. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 702-9 | 0.9 | 142 |
| 30 | Multiclassifier fusion in human brain MR segmentation: modelling convergence. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 815-22 | 0.9 | 4 |
| 29 | [11C]-WAY100635 PET demonstrates marked 5-HT1A receptor changes in sporadic ALS. <i>Brain</i> , 2005 , 128, 896-905 | 11.2 | 79 |
| 28 | Construction and validation of mean shape atlas templates for atlas-based brain image segmentation. <i>Lecture Notes in Computer Science</i> , 2005 , 19, 689-700 | 0.9 | 32 |
| 27 | Periventricular white matter flumazenil binding and postoperative outcome in hippocampal sclerosis. <i>Epilepsia</i> , 2005 , 46, 944-8 | 6.4 | 31 |
| 26 | Distinct cerebral lesions in sporadic and SOD1 ALS: studies with [11C]flumazenil PET. <i>Brain</i> , 2005 , 128, 1323-9 | 11.2 | 114 |

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|----|--|------|-----|
| 25 | The role of opioids in restless legs syndrome: an [11C]diprenorphine PET study. <i>Brain</i> , 2005 , 128, 906-17 | 11.2 | 114 |
| 24 | Correlation of regional cerebral amyloid load in Alzheimer's disease, measured with [11C]-PIB pet using spectral analysis and tissue uptake ratios, with Performance on recognition memory tests. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S591-S591 | 7.3 | |
| 23 | Towards improved test-retest reliability in quantitative ligand PET: [11C]Diprenorphine as an example. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S665-S665 | 7.3 | 2 |
| 22 | Opioid binding in DYT1 primary torsion dystonia: an 11C-diprenorphine PET study. <i>Movement Disorders</i> , 2004 , 19, 1498-503 | 7 | 14 |
| 21 | Flumazenil positron emission tomography and other ligands for functional imaging. <i>Neuroimaging Clinics of North America</i> , 2004 , 14, 537-51 | 3 | 28 |
| 20 | Grey and white matter flumazenil binding in neocortical epilepsy with normal MRI. A PET study of 44 patients. <i>Brain</i> , 2003 , 126, 1300-18 | 11.2 | 70 |
| 19 | Three-dimensional maximum probability atlas of the human brain, with particular reference to the temporal lobe. <i>Human Brain Mapping</i> , 2003 , 19, 224-47 | 5.9 | 797 |
| 18 | Automatic segmentation of the brain and intracranial cerebrospinal fluid in T1-weighted volume MRI scans of the head, and its application to serial cerebral and intracranial volumetry. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 872-84 | 4.4 | 62 |
| 17 | Progressive neocortical damage in epilepsy. <i>Annals of Neurology</i> , 2003 , 53, 312-24 | 9.4 | 146 |
| 16 | Implementation and application of a brain template for multiple volumes of interest. <i>Human Brain Mapping</i> , 2002 , 15, 165-74 | 5.9 | 73 |
| 15 | Positron emission tomography partial volume correction: estimation and algorithms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 1019-34 | 7.3 | 140 |
| 14 | Abnormalities of grey and white matter [11C]flumazenil binding in temporal lobe epilepsy with normal MRI. <i>Brain</i> , 2002 , 125, 2257-71 | 11.2 | 77 |
| 13 | Central benzodiazepine receptors in malformations of cortical development: A quantitative study. <i>Brain</i> , 2001 , 124, 1555-65 | 11.2 | 42 |
| 12 | PET measurement of the influence of corticosteroids on serotonin-1A receptor number. <i>Biological Psychiatry</i> , 2001 , 50, 668-76 | 7.9 | 24 |
| 11 | Evidence of a smaller left hippocampus and left temporal horn in both patients with first episode schizophrenia and normal control subjects. <i>Psychiatry Research - Neuroimaging</i> , 2000 , 99, 93-110 | 2.9 | 78 |
| 10 | Stroke following chiropractic manipulation of the cervical spine. <i>Journal of Neurology</i> , 1999 , 246, 683-8 | 5.5 | 132 |
| 9 | Miller-Fisher syndrome with rapid recovery. <i>Lancet, The</i> , 1994 , 343, 1290 | 4.0 | 1 |
| 8 | PET in MRI-negative refractory focal epilepsy | | 0 |

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| 7 | Can visual illustrations transform the patient information sheet for PET/MR neuroimaging studies into an engaging and interesting reading?. <i>Clinical and Translational Imaging</i> ,1 | 2 |
| 6 | Illness characteristics of COVID-19 in children infected with the SARS-CoV-2 Delta variant | 5 |
| 5 | Knowledge barriers in the symptomatic-COVID-19 testing programme in the UK: an observational study | 6 |
| 4 | Post-vaccination SARS-CoV-2 infection: risk factors and illness profile in a prospective, observational community-based case-control study | 3 |
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