# Pierrick T Bourgeat

List of Publications by Year
in descending order



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|---|---|---|---|
| 190 papers | 9,429 citations | 87888 38 h-index | 40979 93 g-index |
| 204 all docs | 204 docs citations | 204 times ranked | 10783 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Assessing Reactive Astrogliosis with <sup>18</sup>F-SMBT-1 Across the Alzheimer Disease Spectrum. Journal of Nuclear Medicine, 2022, 63, 1560-1569. | 5.0 | 29 |
| 2 | A novel semiautomated method for background activity and biological tumour volume definition to improve standardisation of 18F-FET PET imaging in glioblastoma. EJNMMI Physics, 2022, 9, 9. | 2.7 | 3 |
| 3 | Reduced cortical cholinergic innervation measured using [18F]-FEOBV PET imaging correlates with cognitive decline in mild cognitive impairment. NeuroImage: Clinical, 2022, 34, 102992. | 2.7 | 14 |
| 4 | Plasma p217+tau versus NAV4694 amyloid and MK6240 tau PET across the Alzheimer's continuum. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12307. | 2.4 | 14 |
| 5 | A Targeted Association Study of Blood-Brain Barrier Gene SNPs and Brain Atrophy. Journal of Alzheimer's Disease, 2022, , 1-13. | 2.6 | 0 |
| 6 | Mesial temporal tau in amyloid-Î²-negative cognitively normal older persons. Alzheimer's Research and Therapy, 2022, 14, 51. | 6.2 | 12 |
| 7 | Comprehensive analysis of epigenetic clocks reveals associations between disproportionate biological ageing and hippocampal volume. GeroScience, 2022, 44, 1807-1823. | 4.6 | 19 |
| 8 | Cerebrospinal Fluid Neurofilament Light Predicts Risk of Dementia Onset in Cognitively Healthy Individuals and Rate of Cognitive Decline in Mild Cognitive Impairment: A Prospective Longitudinal Study. Biomedicines, 2022, 10, 1045. | 3.2 | 1 |
| 9 | Assessment of a polygenic hazard score for the onset of pre-clinical Alzheimerâ€™s disease. BMC Genomics, 2022, 23, . | 2.8 | 1 |
| 10 | Systemic perturbations of the kynurenine pathway precede progression to dementia independently of amyloid-Î². Neurobiology of Disease, 2022, 171, 105783. | 4.4 | 5 |
| 11 | Visually Identified Tau 18F-MK6240 PET Patterns in Symptomatic Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, , 1-11. | 2.6 | 7 |
| 12 | Association of Î²-Amyloid Level, Clinical Progression, and Longitudinal Cognitive Change in Normal Older Individuals. Neurology, 2021, 96, e662-e670. | 1.1 | 34 |
| 13 | Detail Matters: High-Frequency Content for Realistic Synthetic MRI Generation. Lecture Notes in Computer Science, 2021, , 3-13. | 1.3 | 1 |
| 14 | Non-negative matrix factorisation improves Centiloid robustness in longitudinal studies. NeuroImage, 2021, 226, 117593. | 4.2 | 15 |
| 15 | Going Deeper With Brain Morphometry Using Neural Networks. , 2021, , . | | 4 |
| 16 | Core Alzheimerâ€™s disease cerebrospinal fluid biomarker assays are not affected by aspiration or gravity drip extraction methods. Alzheimer's Research and Therapy, 2021, 13, 79. | 6.2 | 0 |
| 17 | SA-LuT-Nets: Learning Sample-Adaptive Intensity Lookup Tables for Brain Tumor Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 1417-1427. | 8.9 | 22 |
| 18 | Fifteen Years of the Australian Imaging, Biomarkers and Lifestyle (AIBL) Study: Progress and Observations from 2,359 Older Adults Spanning the Spectrum from Cognitive Normality to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease Reports, 2021, 5, 443-468. | 2.2 | 59 |

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|---|---|---|---|
| 19 | Longitudinal Trajectories in Cortical Thickness and Volume Atrophy: Superior Cognitive Performance Does Not Protect Against Brain Atrophy in Older Adults. Journal of Alzheimer's Disease, 2021, 81, 1039-1052. | 2.6 | 2 |
| 20 | DeepCSR: A 3D Deep Learning Approach for Cortical Surface Reconstruction. , 2021, , . | | 23 |
| 21 | Relationship between amyloid and tau levels and its impact on tau spreading. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2225-2232. | 6.4 | 30 |
| 22 | Higher Coffee Consumption Is Associated With Slower Cognitive Decline and Less Cerebral AÎ²-Amyloid Accumulation Over 126 Months: Data From the Australian Imaging, Biomarkers, and Lifestyle Study. Frontiers in Aging Neuroscience, 2021, 13, 744872. | 3.4 | 17 |
| 23 | Using imputation to provide harmonized longitudinal measures of cognition across AIBL and ADNI. Scientific Reports, 2021, 11, 23788. | 3.3 | 16 |
| 24 | Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. Journal of Magnetic Resonance Imaging, 2020, 51, 505-513. | 3.4 | 35 |
| 25 | Cognitive reserve predicts future executive function decline in older adults with Alzheimer's disease pathology but not age-associated pathology. Neurobiology of Aging, 2020, 88, 119-127. | 3.1 | 19 |
| 26 | Risk prediction of late-onset Alzheimerâ€™s disease implies an oligogenic architecture. Nature Communications, 2020, 11, 4799. | 12.8 | 110 |
| 27 | Simultaneous superâ€resolution and contrast synthesis of routine clinical magnetic resonance images of the knee for improving automatic segmentation of joint cartilage: data from the Osteoarthritis Initiative. Medical Physics, 2020, 47, 4939-4948. | 3.0 | 6 |
| 28 | Improved centiloid robustness using nonâ€negative matrix factorization. Alzheimer's and Dementia, 2020, 16, e040085. | 0.8 | 0 |
| 29 | Limited cerebral microbleeds effect on regional magnetic susceptibility measured by MRI. Alzheimer's and Dementia, 2020, 16, e044125. | 0.8 | 0 |
| 30 | Basal forebrain atrophy and tau pathology are correlated in prodromal AD. Alzheimer's and Dementia, 2020, 16, e046111. | 0.8 | 0 |
| 31 | Restricted Effect of Cerebral Microbleeds on Regional Magnetic Susceptibility. Journal of Alzheimer's Disease, 2020, 76, 571-577. | 2.6 | 6 |
| 32 | Impact of APOE-Îµ4 carriage on the onset and rates of neocortical AÎ²-amyloid deposition. Neurobiology of Aging, 2020, 95, 46-55. | 3.1 | 32 |
| 33 | Cerebrospinal fluid neurofilament light concentration predicts brain atrophy and cognition in Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12005. | 2.4 | 35 |
| 34 | Bayesian modeling of multiple structural connectivity networks during the progression of Alzheimer's disease. Biometrics, 2020, 76, 1120-1132. | 1.4 | 9 |
| 35 | Sample-Adaptive GANs: Linking Global and Local Mappings for Cross-Modality MR Image Synthesis. IEEE Transactions on Medical Imaging, 2020, 39, 2339-2350. | 8.9 | 22 |
| 36 | Predicting motor outcome in preterm infants from very early brain diffusion MRI using a deep learning convolutional neural network (CNN) model. NeuroImage, 2020, 215, 116807. | 4.2 | 41 |

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| 37 | 3D Brain MRI GAN-Based Synthesis Conditioned on Partial Volume Maps. Lecture Notes in Computer Science, 2020, , 11-20. | 1.3 | 4 |
| 38 | Learning Sample-Adaptive Intensity Lookup Table for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 216-226. | 1.3 | 7 |
| 39 | Comorbidity of Cerebrovascular andÂAlzheimerâ€™s Disease in Aging. Journal of Alzheimer's Disease, 2020, 78, 321-334. | 2.6 | 4 |
| 40 | Ea-GANs: Edge-Aware Generative Adversarial Networks for Cross-Modality MR Image Synthesis. IEEE Transactions on Medical Imaging, 2019, 38, 1750-1762. | 8.9 | 158 |
| 41 | Comparison of <sup>18</sup>Fâ€florbetaben quantification results using the standard Centiloid, MRâ€based, and MRâ€less CapAIBL<sup>Â®</sup> approaches: Validation against histopathology. Alzheimer's and Dementia, 2019, 15, 807-816. | 0.8 | 50 |
| 42 | ICâ€Pâ€004: CORRECTING FOR PET SCANNER CHANGES IN LONGITUDINAL STUDIES. Alzheimer's and Dementia, 2019, 15, P15. | 0.8 | 0 |
| 43 | Identification of Functional Connectivity Features in Depression Subtypes Using a Data-Driven Approach. Lecture Notes in Computer Science, 2019, , 96-103. | 1.3 | 0 |
| 44 | KIBRA is associated with accelerated cognitive decline and hippocampal atrophy in APOE Îµ4-positive cognitively normal adults with high AÎ²-amyloid burden. Scientific Reports, 2018, 8, 2034. | 3.3 | 31 |
| 45 | Neuropsychology and neuroimaging profiles of amyloidâ€positive versus amyloidâ€negative amnestic mild cognitive impairment patients. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 269-277. | 2.4 | 16 |
| 46 | ICâ€Pâ€091: TAU, AÎ²â€AMYLOID, BRAIN STRUCTURE AND COGNITIVE FUNCTION FOLLOWING SERVICEâ€RELATED TRAUMATIC BRAIN INJURY IN AUSTRALIAN VIETNAM WAR VETERANS. Alzheimer's and Dementia, 2018, 14, P76. | 0.8 | 0 |
| 47 | ICâ€Pâ€225: PARTIAL VOLUME CORRECTION USING EITHER PMODÂ® OR CAPAIBLÂ® DOES LITTLE TO IMPROVE <sup>18</sup>Fâ€AV1451 PET QUANTIFICATION. Alzheimer's and Dementia, 2018, 14, P183. | 0.8 | 0 |
| 48 | A Framework to Objectively Identify Reference Regions for Normalizing Quantitative Imaging. Lecture Notes in Computer Science, 2018, , 65-72. | 1.3 | 1 |
| 49 | Data Augmentation Using Synthetic Lesions Improves Machine Learning Detection of Microbleeds from MRI. Lecture Notes in Computer Science, 2018, , 12-19. | 1.3 | 4 |
| 50 | 3D cGAN based cross-modality MR image synthesis for brain tumor segmentation. , 2018, , . | | 53 |
| 51 | Implementing the centiloid transformation for 11C-PiB and Î²-amyloid 18F-PET tracers using CapAIBL. NeuroImage, 2018, 183, 387-393. | 4.2 | 94 |
| 52 | Oral Presentations. Internal Medicine Journal, 2017, 47, 5-23. | 0.8 | 0 |
| 53 | Effect of APOE Genotype on Amyloid Deposition, Brain Volume, and Memory in Cognitively Normal Older Individuals. Journal of Alzheimer's Disease, 2017, 58, 1293-1302. | 2.6 | 35 |
| 54 | BDNF Val66Met in preclinical Alzheimer's disease is associated with short-term changes in episodic memory and hippocampal volume but not serum mBDNF. International Psychogeriatrics, 2017, 29, 1825-1834. | 1.0 | 21 |

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|---|---|---|---|
| 55 | Partial volume model for brain MRI scan using MP2RAGE. Human Brain Mapping, 2017, 38, 5115-5127. | 3.6 | 9 |
| 56 | [O3â€“09â€“01]: IMPLEMENTING THE CENTILOID TRANSFORMATION FOR <sup>18</sup>Fâ€FLORBETABEN AND <sup>18</sup>Fâ€NAV4694 USING CAPAIBL. Alzheimer's and Dementia, 2017, 13, P920. | 0.8 | 1 |
| 57 | A randomized, exploratory molecular imaging study targeting amyloid Î² with a novel 8â€OH quinoline in Alzheimer's disease: The PBT2â€204 IMAGINE study. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2017, 3, 622-635. | 3.7 | 59 |
| 58 | [ICâ€Pâ€175]: 18Fâ€AV1451 TAU QUANTIFICATION WITHOUT MRI. Alzheimer's and Dementia, 2017, 13, P130. | 0.8 | 0 |
| 59 | A normalisation framework for quantitative brain imaging; application to quantitative susceptibility mapping. , 2017, , . | | 3 |
| 60 | PET-only 18F-AV1451 tau quantification. , 2017, , . | | 1 |
| 61 | AÎ²-amyloid and Tau Imaging in Dementia. Seminars in Nuclear Medicine, 2017, 47, 75-88. | 4.6 | 96 |
| 62 | [P3â€“358]: SELECTIVE AGEâ€ASSOCIATION OF HIPPOCAMPAL SUBFIELDS IN COGNITIVELY HEALTHY ELDERLY. Alzheimer's and Dementia, 2017, 13, P1093. | 0.8 | 0 |
| 63 | [ICâ€Pâ€158]: IMPLEMENTING THE CENTILOID TRANSFORMATION FOR <sup>18</sup>Fâ€FLORBETABEN AND <sup>18</sup>Fâ€NAV4694 USING CAPAIBL. Alzheimer's and Dementia, 2017, 13, P120. | 0.8 | 0 |
| 64 | [ICâ€Pâ€162]: COMPARISON OF <sup>18</sup>Fâ€FLORBETABEN QUANTIFICATION RESULTS USING MRâ€BASED AND MRâ€LESS CAPAIBL: VALIDATION AGAINST HISTOPATHOLOGY. Alzheimer's and Dementia, 2017, 13, P123. | 0.8 | 1 |
| 65 | [P4â€“561]: MEDITERRANEAN DIET ADHERENCE IS ASSOCIATED WITH ATTENUATED CORTICAL THINNING IN AN AUSTRALIAN STUDY OF AGEING. Alzheimer's and Dementia, 2017, 13, P1567. | 0.8 | 0 |
| 66 | [P1â€“444]: QUANTITATIVE SUSCEPTIBILITY MAPPING OF THE HIPPOCAMPUS PREDICTS HIPPOCAMPAL ATROPHY IN AÎ²+ ELDERLY CONTROLS AND ALZHEIMER's DISEASE PATIENTS. Alzheimer's and Dementia, 2017, 13, P454. | 0.8 | 2 |
| 67 | Cerebral quantitative susceptibility mapping predicts amyloid-Î²-related cognitive decline. Brain, 2017, 140, 2112-2119. | 7.6 | 213 |
| 68 | Subjective Memory Complaints in APOE É›4 Carriers are Associated with High Amyloid-Î² Burden. Journal of Alzheimer's Disease, 2016, 49, 1115-1122. | 2.6 | 45 |
| 69 | Automated segmentation and T2-mapping of the posterior cruciate ligament from MRI of the knee: Data from the osteoarthritis initiative. , 2016, , . | | 3 |
| 70 | P1â€312: Iron and Amyloid Depositions are Positively Related in Nonâ€Demented Individuals. Alzheimer's and Dementia, 2016, 12, P542. | 0.8 | 2 |
| 71 | O4-07-06: Revisiting, Revising and Refining the Natural History of Ab Deposition and its Effects on Neurodegeneration and Cognitive Decline in Sporadic Alzheimer's Disease. , 2016, 12, P350-P351. | | 1 |
| 72 | AÎ²-related memory decline in APOE Îµ4 noncarriers. Neurology, 2016, 86, 1635-1642. | 1.1 | 37 |

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| 73 | Performance on the Cogstate Brief Battery Is Related to Amyloid Levels and Hippocampal Volume in Very Mild Dementia. Journal of Molecular Neuroscience, 2016, 60, 362-370. | 2.3 | 14 |
| 74 | Clinical and cognitive trajectories in cognitively healthy elderly individuals with suspected non-Alzheimer's disease pathophysiology (SNAP) or Alzheimer's disease pathology: a longitudinal study. Lancet Neurology, The, 2016, 15, 1044-1053. | 10.2 | 175 |
| 75 | Anatomical hubs from spectral clustering of structural connectomes. , 2016, , . | | 0 |
| 76 | CapAIBL: Automated Reporting of Cortical PET Quantification Without Need of MRI on Brain Surface Using a Patch-Based Method. Lecture Notes in Computer Science, 2016, , 109-116. | 1.3 | 6 |
| 77 | Sensitivity of composite scores to amyloid burden in preclinical Alzheimer's disease: Introducing the Zâ€scores of Attention, Verbal fluency, and Episodic memory for Nondemented older adults composite score. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2016, 2, 19-26. | 2.4 | 72 |
| 78 | Statistical machine learning to identify traumatic brain injury (TBI) from structural disconnections of white matter networks. NeuroImage, 2016, 129, 247-259. | 4.2 | 56 |
| 79 | Subjective memory decline predicts greater rates of clinical progression in preclinical Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 796-804. | 0.8 | 135 |
| 80 | Alzheimer's Disease and the Early Signs of Age-Related Macular Degeneration. Current Alzheimer Research, 2016, 13, 1259-1266. | 1.4 | 42 |
| 81 | IC-P-169: BDNF, AÎ², and cortical atrophy in preclinical Alzheimer's disease. , 2015, 11, P112-P113. | | 0 |
| 82 | P4-266: Decreases in cerebral blood flow are associated with AÎ² status in preclinical Alzheimer's disease. , 2015, 11, P886-P886. | | 0 |
| 83 | O1â€01â€02: The cognitive and brain volumetric trajectories of healthy elderly controls with either Alzheimer's pathology, neurodegeneration (SNAP), or both. Alzheimer's and Dementia, 2015, 11, P123. | 0.8 | 1 |
| 84 | Computational analysis of PET by AIBL (CapAIBL): a cloud-based processing pipeline for the quantification of PET images. Proceedings of SPIE, 2015, , . | 0.8 | 8 |
| 85 | Expectation-Maximization with Image-Weighted Markov Random Fields to Handle Severe Pathology. , 2015, , . | | 2 |
| 86 | O5-01-03: Interaction between 18 F-THK5317, 18 F-flutemetamol SUVR, and cortical thickness. , 2015, 11, P313-P313. | | 1 |
| 87 | Computer-aided detection of cerebral microbleeds in susceptibility-weighted imaging. Computerized Medical Imaging and Graphics, 2015, 46, 269-276. | 5.8 | 35 |
| 88 | Comparison of MR-less PiB SUVR quantification methods. Neurobiology of Aging, 2015, 36, S159-S166. | 3.1 | 96 |
| 89 | Relationships Between Performance on the Cogstate Brief Battery, Neurodegeneration, and AÂ Accumulation in Cognitively Normal Older Adults and Adults with MCI. Archives of Clinical Neuropsychology, 2015, 30, 49-58. | 0.5 | 40 |
| 90 | Reproducibility of multiphase pseudo-continuous arterial spin labeling and the effect of post-processing analysis methods. NeuroImage, 2015, 117, 191-201. | 4.2 | 22 |

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| 91 | STroke imAging pRevention and Treatment (START): A Longitudinal Stroke Cohort Study: Clinical Trials Protocol. International Journal of Stroke, 2015, 10, 636-644. | 5.9 | 24 |
| 92 | Assessing atrophy measurement techniques in dementia: Results from the MIRIAD atrophy challenge. NeuroImage, 2015, 123, 149-164. | 4.2 | 63 |
| 93 | Decreased Platelet APP Isoform Ratios in Autosomal Dominant Alzheimer’s Disease: Baseline Data from a DIAN Cohort Subset. Current Alzheimer Research, 2015, 12, 157-164. | 1.4 | 10 |
| 94 | MR-Less Surface-Based Amyloid Assessment Based on 11C PiB PET. PLoS ONE, 2014, 9, e84777. | 2.5 | 43 |
| 95 | Effect of BDNF Val66Met on Memory Decline and Hippocampal Atrophy in Prodromal Alzheimerâ€™s Disease: A Preliminary Study. PLoS ONE, 2014, 9, e86498. | 2.5 | 75 |
| 96 | Early Prediction of Treatment Response in Advanced Gliomas with 18F-dopa Positron-Emission Tomography. Current Oncology, 2014, 21, 172-178. | 2.2 | 8 |
| 97 | Assessing local outcomes in heterogeneous gliomas. Journal of Physics: Conference Series, 2014, 489, 012073. | 0.4 | 1 |
| 98 | O3-13-01: RETINAL AMYLOID FLUORESCENCE IMAGING PREDICTS CEREBRAL AMYLOID BURDEN AND ALZHEIMER'S DISEASE. , 2014, 10, P234-P235. | | 25 |
| 99 | Distance informed Track-Weighted Imaging (diTWI): A framework for sensitising streamline information to neuropathology. NeuroImage, 2014, 86, 60-66. | 4.2 | 3 |
| 100 | Efficient machine learning framework for computer-aided detection of cerebral microbleeds using the Radon transform. , 2014, , . | | 21 |
| 101 | Influence of BDNF Val66Met on the relationship between physical activity and brain volume. Neurology, 2014, 83, 1345-1352. | 1.1 | 58 |
| 102 | Amorphous Regions-of-Interest Projection Method for Simplified Longitudinal Comparison of Dynamic Regions in Cancer Imaging. IEEE Transactions on Biomedical Engineering, 2014, 61, 264-272. | 4.2 | 1 |
| 103 | Lesion segmentation from multimodal MRI using random forest following ischemic stroke. NeuroImage, 2014, 98, 324-335. | 4.2 | 139 |
| 104 | A blood-based predictor for neocortical AÎ² burden in Alzheimerâ€™s disease: results from the AIBL study. Molecular Psychiatry, 2014, 19, 519-526. | 7.9 | 108 |
| 105 | P1-257: DOES ENHANCED RECONSTRUCTION METHODOLOGY CHANGE THE QUANTIFICATION OF AMYLOID PET WITH FLUMETAMOL?. , 2014, 10, P401-P402. | | 1 |
| 106 | Contribution of FDOPA PET to radiotherapy planning for advanced glioma. Journal of Physics: Conference Series, 2014, 489, 012028. | 0.4 | 1 |
| 107 | Automatic detection of small spherical lesions using multiscale approach in 3D medical images. , 2013, , . | | 5 |
| 108 | Predicting Alzheimer disease with Î²â€amyloid imaging: Results from the Australian imaging, biomarkers, and lifestyle study of ageing. Annals of Neurology, 2013, 74, 905-913. | 5.3 | 194 |

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| 109 | Amyloid Î² deposition, neurodegeneration, and cognitive decline in sporadic Alzheimer's disease: a prospective cohort study. Lancet Neurology, The, 2013, 12, 357-367. | 10.2 | 1,738 |
| 110 | BDNF Val66Met, AÎ² amyloid, and cognitive decline in preclinical Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2457-2464. | 3.1 | 109 |
| 111 | Cross-sectional and Longitudinal Analysis of the Relationship Between AÎ² Deposition, Cortical Thickness, and Memory in Cognitively Unimpaired Individuals and in Alzheimer Disease. JAMA Neurology, 2013, 70, 903. | 9.0 | 170 |
| 112 | MilxXplore: a web-based system to explore large imaging datasets. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 1046-1052. | 4.4 | 8 |
| 113 | Correlation of MRI-Derived Apparent Diffusion Coefficients in Newly Diagnosed Gliomas with [<sup>18</sup>F]-Fluoro-L-Dopa PET: What Are We Really Measuring with Minimum ADC?. American Journal of Neuroradiology, 2013, 34, 758-764. | 2.4 | 51 |
| 114 | Retinal vascular biomarkers for early detection and monitoring of Alzheimerâ€™s disease. Translational Psychiatry, 2013, 3, e233-e233. | 4.8 | 230 |
| 115 | Pupil Response Biomarkers for Early Detection and Monitoring of Alzheimer's Disease. Current Alzheimer Research, 2013, 10, 931-939. | 1.4 | 26 |
| 116 | Regional dynamics of amyloid-Î² deposition in healthy elderly, mild cognitive impairment and Alzheimerâ€™s disease: a voxelwise PiBâ€“PET longitudinal study. Brain, 2012, 135, 2126-2139. | 7.6 | 222 |
| 117 | A surface based approach for cortical thickness comparison between PiB+ and PiB- healthy control subjects. Proceedings of SPIE, 2012, , . | 0.8 | 2 |
| 118 | Consistent estimation of shape parameters in statistical shape model by symmetric EM algorithm. Proceedings of SPIE, 2012, , . | 0.8 | 3 |
| 119 | Detecting global and local hippocampal shape changes in Alzheimer's disease using statistical shape models. NeuroImage, 2012, 59, 2155-2166. | 4.2 | 82 |
| 120 | Constrained reverse diffusion for thick slice interpolation of 3D volumetric MRI images. Computerized Medical Imaging and Graphics, 2012, 36, 130-138. | 5.8 | 6 |
| 121 | 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. Journal of Neuroscience Methods, 2012, 205, 96-109. | 2.5 | 17 |
| 122 | MR-Less Surface-Based Amyloid Estimation by Subject-Specific Atlas Selection and Bayesian Fusion. Lecture Notes in Computer Science, 2012, 15, 220-227. | 1.3 | 2 |
| 123 | Surface-Base Approach Using a Multi-scale EM-ICP Registration for Statistical Population Analysis. , 2011, , . | | 4 |
| 124 | Automatic Brain Tumour Segmentation in 18F-FDOPA PET Using PET/MRI Fusion. , 2011, , . | | 1 |
| 125 | Independent contribution of temporal Î²-amyloid deposition to memory decline in the pre-dementia phase of Alzheimerâ€™s disease. Brain, 2011, 134, 798-807. | 7.6 | 132 |
| 126 | Advances in structural and molecular neuroimaging in Alzheimer's disease. Medical Journal of Australia, 2011, 194, S20-3. | 1.7 | 5 |

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| 127 | Increasing the Predictive Accuracy of Amyloid-Î² Blood-Borne Biomarkers in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 24, 47-59. | 2.6 | 16 |
| 128 | Longitudinal assessment of AÎ² and cognition in aging and Alzheimer disease. Annals of Neurology, 2011, 69, 181-192. | 5.3 | 730 |
| 129 | Detecting hippocampal shape changes in Alzheimer's disease using statistical shape models. , 2011, , . | | 0 |
| 130 | Local intensity model: An outlier detection framework with applications to white matter hyperintensity segmentation. , 2011, , . | | 5 |
| 131 | Atlas selection strategy using least angle regression in multi-atlas segmentation propagation. , 2011, , . | | 4 |
| 132 | Mouse whole-body organ mapping by non-rigid registration approach. Proceedings of SPIE, 2011, , . | 0.8 | 6 |
| 133 | Atlas selection strategy in multi-atlas segmentation propagation with locally weighted voting using diversity-based MMR re-ranking. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 134 | An accurate 3D shape context based non-rigid registration method for mouse whole-body skeleton registration. , 2011, , . | | 2 |
| 135 | Relationship between atrophy and Î²â€amyloid deposition in Alzheimer disease. Annals of Neurology, 2010, 67, 317-324. | 5.3 | 322 |
| 136 | A non-rigid registration method for mouse whole body skeleton registration. , 2010, , . | | 2 |
| 137 | Diagnostic value of 8.5â€‰T magnetic resonance spectroscopy of benign and malignant skin lesion biopsies. Melanoma Research, 2010, 20, 311-317. | 1.2 | 7 |
| 138 | Topology-corrected segmentation and local intensity estimates for improved partial volume classification of brain cortex in MRI. Journal of Neuroscience Methods, 2010, 188, 305-315. | 2.5 | 26 |
| 139 | An improved 3D shape context based non-rigid registration method and its application to small animal skeletons registration. Computerized Medical Imaging and Graphics, 2010, 34, 321-332. | 5.8 | 18 |
| 140 | Î²-Amyloid burden in the temporal neocortex is related to hippocampal atrophy in elderly subjects without dementia. Neurology, 2010, 74, 121-127. | 1.1 | 209 |
| 141 | 3D shape context surface registration for cortical mapping. , 2010, , . | | 6 |
| 142 | Larger temporal volume in elderly with high versus low beta-amyloid deposition. Brain, 2010, 133, 3349-3358. | 7.6 | 130 |
| 143 | An improved 3D shape context registration method for non-rigid surface registration. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 144 | Supervised method to build an atlas database for multi-atlas segmentation-propagation. Proceedings of SPIE, 2010, , . | 0.8 | 0 |

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| 145 | Amyloid imaging results from the Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging. Neurobiology of Aging, 2010, 31, 1275-1283. | 3.1 | 885 |
| 146 | Blood-Borne Amyloid-Î² Dimer Correlates with Clinical Markers of Alzheimer's Disease. Journal of Neuroscience, 2010, 30, 6315-6322. | 3.6 | 70 |
| 147 | IC-01-03: Larger temporal volume in asymptomatic elderly with high versus low beta-amyloid deposition. , 2010, 6, S2-S3. | | 1 |
| 148 | MILXView: A Medical Imaging, Analysis and Visualization Platform. International Federation for Information Processing, 2010, , 177-186. | 0.4 | 7 |
| 149 | Increasing Power to Predict Mild Cognitive Impairment Conversion to Alzheimerâ€™s Disease Using Hippocampal Atrophy Rate and Statistical Shape Models. Lecture Notes in Computer Science, 2010, 13, 125-132. | 1.3 | 18 |
| 150 | Joint Factor and Kinetic Analysis of Dynamic FDOPA PET Scans of Brain Cancer Patients. Lecture Notes in Computer Science, 2010, 13, 185-192. | 1.3 | 2 |
| 151 | Sci-Sat AM(1): Planning - 05: Feasibility of Atlas-Based Organ Segmentation and Electron Density Mapping for MRI-Based Prostate Radiation Therapy Planning. Medical Physics, 2010, 37, 3907-3907. | 3.0 | 1 |
| 152 | Diversity in the Glucose Transporter-4 Gene (SLC2A4) in Humans Reflects the Action of Natural Selection along the Old-World Primates Evolution. PLoS ONE, 2010, 5, e9827. | 2.5 | 9 |
| 153 | Non-rigid registration of small animal skeletons from micro-CT using 3D shape context. Proceedings of SPIE, 2009, , . | 0.8 | 4 |
| 154 | Nonrigid correction of interleaving artefacts in pelvic MRI. , 2009, , . | | 4 |
| 155 | Alzheimer's disease detection using<sup>11</sup>C-PiB with improved partial volume effect correction. Proceedings of SPIE, 2009, , . | 0.8 | 1 |
| 156 | Automated voxel-based 3D cortical thickness measurement in a combined Lagrangianâ€“Eulerian PDE approach using partial volume maps. Medical Image Analysis, 2009, 13, 730-743. | 11.6 | 88 |
| 157 | Automated segmentation of the menisci from MR images. , 2009, , . | | 8 |
| 158 | Partial volume estimation of brain cortex from MRI using topology-corrected segmentation. , 2009, , . | | 4 |
| 159 | The Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging: methodology and baseline characteristics of 1112 individuals recruited for a longitudinal study of Alzheimer's disease. International Psychogeriatrics, 2009, 21, 672-687. | 1.0 | 661 |
| 160 | Appearance modeling of 11C PiB PET images: Characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. NeuroImage, 2008, 43, 430-439. | 4.2 | 81 |
| 161 | Automated 11C-PiB Standardized Uptake Value Ratio. Academic Radiology, 2008, 15, 1376-1389. | 2.5 | 24 |
| 162 | Improved cortical thickness measurement from MR images using partial volume estimation. , 2008, , . | | 3 |

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