

# Steven Meikle

## List of Publications by Citations

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|--------------------|-------------------------|----------------|-----------------|
| 139<br>papers      | 3,164<br>citations      | 33<br>h-index  | 52<br>g-index   |
| 182<br>ext. papers | 3,632<br>ext. citations | 4.1<br>avg, IF | 4.79<br>L-index |

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 139 | Small animal SPECT and its place in the matrix of molecular imaging technologies. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, R45-61  | 3.8  | 256       |
| 138 | A convolution-subtraction scatter correction method for 3D PET. <i>Physics in Medicine and Biology</i> , <b>1994</b> , 39, 411-24  | 3.8  | 163       |
| 137 | Two-dimensional myocardial strain imaging detects changes in left ventricular systolic function immediately after anthracycline chemotherapy. <i>European Journal of Echocardiography</i> , <b>2011</b> , 12, 945-52   |      | 115       |
| 136 | Positron emission tomography imaging of neuroinflammation. <i>Neurotherapeutics</i> , <b>2007</b> , 4, 443-52  | 6.4  | 112       |
| 135 | Inhalation of hypertonic saline aerosol enhances mucociliary clearance in asthmatic and healthy subjects. <i>European Respiratory Journal</i> , <b>1996</b> , 9, 725-32  | 13.6 | 110       |
| 134 | Correction for head movements in positron emission tomography using an optical motion-tracking system. <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 116-123   | 1.7  | 108       |
| 133 | Synthesis and in vivo evaluation of a novel peripheral benzodiazepine receptor PET radioligand. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 6188-94  | 3.4  | 94        |
| 132 | Segmentation of dynamic PET images using cluster analysis. <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 200-207   | 1.7  | 91        |
| 131 | . <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 2167-2171  | 1.7  | 87        |
| 130 | Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1997</b> , 24, 691-705  |      | 77        |
| 129 | ECAT ART - a continuously rotating PET camera: performance characteristics, initial clinical studies, and installation considerations in a nuclear medicine department. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1997</b> , 24, 6-15 |      | 68        |
| 128 | Parametric image reconstruction using spectral analysis of PET projection data. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 651-66  | 3.8  | 68        |
| 127 | Postreconstruction nonlocal means filtering of whole-body PET with an anatomical prior. <i>IEEE Transactions on Medical Imaging</i> , <b>2014</b> , 33, 636-50   | 11.7 | 61        |
| 126 | Real-time 3D motion tracking for small animal brain PET. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 2651-68  | 3.8  | 60        |
| 125 | Airway closure measured by a technegas bolus and SPECT. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1997</b> , 155, 682-8   | 10.2 | 58        |
| 124 | Accelerated EM reconstruction in total-body PET: potential for improving tumour detectability. <i>Physics in Medicine and Biology</i> , <b>1994</b> , 39, 1689-704   | 3.8  | 58        |
| 123 | In vivo imaging of nicotinic receptor upregulation following chronic (-)-nicotine treatment in baboon using SPECT. <i>Nuclear Medicine and Biology</i> , <b>2001</b> , 28, 165-75  | 2.1  | 56        |

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| 122 | Electrocardiographic measurement of infarct size after thrombolytic therapy. <i>Journal of the American College of Cardiology</i> , <b>1996</b> , 27, 617-24  | 15.1 | 55 |
| 121 | In vivo evidence for microglial activation in neurodegenerative dementia. <i>Acta Neurologica Scandinavica</i> , <b>2006</b> , 185, 107-14  | 3.8  | 54 |
| 120 | Simultaneous estimation of physiological parameters and the input function--in vivo PET data. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2001</b> , 5, 67-76  |      | 54 |
| 119 | Pharmacokinetic assessment of novel anti-cancer drugs using spectral analysis and positron emission tomography: a feasibility study. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1998</b> , 42, 183-93   | 3.5  | 52 |
| 118 | Altered left ventricular longitudinal diastolic function correlates with reduced systolic function immediately after anthracycline chemotherapy. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2013</b> , 14, 228-34  | 4.1  | 49 |
| 117 | Optimised motion tracking for positron emission tomography studies of brain function in awake rats. <i>PLoS ONE</i> , <b>2011</b> , 6, e21727   | 3.7  | 47 |
| 116 | Current role of gallium scanning in the management of lymphoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1990</b> , 16, 755-71  |      | 45 |
| 115 | An investigation of coded aperture imaging for small animal SPECT. <i>IEEE Transactions on Nuclear Science</i> , <b>2001</b> , 48, 816-821  | 1.7  | 44 |
| 114 | Characterisation of partial volume effect and region-based correction in small animal positron emission tomography (PET) of the rat brain. <i>NeuroImage</i> , <b>2012</b> , 60, 2144-57  | 7.9  | 41 |
| 113 | Left ventricular systolic function in HER2/neu negative breast cancer patients treated with anthracycline chemotherapy: a comparative analysis of left ventricular ejection fraction and myocardial strain imaging over 12 months. <i>European Journal of Cancer</i> , <b>2013</b> , 49, 3396-403 | 7.5  | 41 |
| 112 | Regularized image reconstruction with an anatomically adaptive prior for positron emission tomography. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 7379-400  | 3.8  | 39 |
| 111 | A practical 3D tomographic method for correcting patient head motion in clinical SPECT. <i>IEEE Transactions on Nuclear Science</i> , <b>1999</b> , 46, 667-672   | 1.7  | 39 |
| 110 | Ligands for peripheral benzodiazepine binding sites in glial cells. <i>Brain Research Reviews</i> , <b>2005</b> , 48, 207-10  |      | 37 |
| 109 | An event-driven motion correction method for neurological PET studies of awake laboratory animals. <i>Molecular Imaging and Biology</i> , <b>2008</b> , 10, 315-24  | 3.8  | 35 |
| 108 | Strategies for attenuation compensation in neurological PET studies. <i>NeuroImage</i> , <b>2007</b> , 34, 518-41   | 7.9  | 34 |
| 107 | Markerless motion tracking of awake animals in positron emission tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2014</b> , 33, 2180-90  | 11.7 | 33 |
| 106 | Estimation of input function and kinetic parameters using simulated annealing: application in a flow model. <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 707-713   | 1.7  | 29 |
| 105 | A restraint-free small animal SPECT imaging system with motion tracking. <i>IEEE Transactions on Nuclear Science</i> , <b>2005</b> , 52, 638-644  | 1.7  | 25 |

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|-----|--|------|----|
| 104 | Evaluation of transmission methodology and attenuation correction for the microPET Focus 220 animal scanner. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 4003-16                          | 3.8  | 24 |
| 103 | Trishomocubanes: novel sigma ligands modulate cocaine-induced behavioural effects. <i>European Journal of Pharmacology</i> , <b>2007</b> , 555, 37-42  | 5.3  | 23 |
| 102 | Transmission-based scatter correction of 180 degrees myocardial single-photon emission tomographic studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1996</b> , 23, 1300-8 |      | 23 |
| 101 | Complementary molecular imaging technologies: High resolution SPECT, PET and MRI. <i>Drug Discovery Today: Technologies</i> , <b>2006</b> , 3, 187-94  | 7.1  | 22 |
| 100 | Assessment of cancer-associated biomarkers by positron emission tomography: advances and challenges. <i>Disease Markers</i> , <b>2002</b> , 18, 211-47   | 3.2  | 21 |
| 99  | Noise-reducing algorithms do not necessarily provide superior dose optimisation for hepatic lesion detection with multidetector CT. <i>British Journal of Radiology</i> , <b>2013</b> , 86, 20120500     | 3.4  | 20 |
| 98  | Analytical positron range modelling in heterogeneous media for PET Monte Carlo simulation. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 3313-35  | 3.8  | 20 |
| 97  | In vivo PET imaging with [(18)F]FDG to explain improved glucose uptake in an apolipoprotein A-I treated mouse model of diabetes. <i>Diabetologia</i> , <b>2016</b> , 59, 1977-84                         | 10.3 | 19 |
| 96  | Median non-local means filtering for low SNR image denoising: Application to PET with anatomical knowledge <b>2010</b> ,   |      | 18 |
| 95  | Optimized sampling and parameter estimation for quantification in whole body PET. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1996</b> , 43, 1021-8  | 5    | 17 |
| 94  | Open-field PET: Simultaneous brain functional imaging and behavioural response measurements in freely moving small animals. <i>NeuroImage</i> , <b>2019</b> , 188, 92-101                                | 7.9  | 17 |
| 93  | Instrumentation and methodology for quantitative pre-clinical imaging studies. <i>Current Pharmaceutical Design</i> , <b>2001</b> , 7, 1945-66   | 3.3  | 16 |
| 92  | Imaging capabilities of the Inveon SPECT system using single-and multipinhole collimators. <i>Journal of Nuclear Medicine</i> , <b>2013</b> , 54, 1833-40  | 8.9  | 15 |
| 91  | Tracking and characterizing the head motion of unanaesthetized rats in positron emission tomography. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 3094-107                           | 4.1  | 15 |
| 90  | A Motion Adaptive Animal Chamber for PET Imaging of Freely Moving Animals. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 3423-3431   | 1.7  | 14 |
| 89  | BrachyView: proof-of-principle of a novel in-body gamma camera for low dose-rate prostate brachytherapy. <i>Medical Physics</i> , <b>2013</b> , 40, 041709   | 4.4  | 14 |
| 88  | A scheme for PET data normalization in event-based motion correction. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 5321-39   | 3.8  | 14 |
| 87  | Quantitative Techniques in PET <b>2005</b> , 93-126  |      | 14 |

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| 86 | The potential role of echocardiographic strain imaging for evaluating cardiotoxicity due to cancer therapy. <i>Heart Lung and Circulation</i> , <b>2011</b> , 20, 3-9   | 1.8  | 13 |
| 85 | The role of positron emission tomography in the discovery and development of new drugs; as studied in laboratory animals. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , <b>2004</b> , 29, 1-6                   | 2.7  | 13 |
| 84 | An investigation of inconsistent projections and artefacts in multi-pinhole SPECT with axially aligned pinholes. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 7487-503  | 3.8  | 12 |
| 83 | Synthesis and in vivo evaluation of [18F]N-(2-benzofuranylmethyl)-NS[4-(2-fluoroethoxy)benzyl]piperazine, a novel $\alpha$ receptor PET imaging agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 6820-3 | 2.9  | 11 |
| 82 | Benchmarking of a motion sensing system for medical imaging and radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 5845-57  | 3.8  | 11 |
| 81 | The influence of tomograph sensitivity on kinetic parameter estimation in positron emission tomography imaging studies of the rat brain. <i>Nuclear Medicine and Biology</i> , <b>2000</b> , 27, 617-25                             | 2.1  | 11 |
| 80 | Simultaneous emission and transmission measurements as an adjunct to dynamic planar gamma camera studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1996</b> , 23, 326-31                              |      | 11 |
| 79 | Performance evaluation of quantitative SPECT/CT using NEMA NU 2 PET methodology. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 145017  | 3.8  | 10 |
| 78 | 4D PET iterative deconvolution with spatiotemporal regularization for quantitative dynamic PET imaging. <i>NeuroImage</i> , <b>2015</b> , 118, 484-93   | 7.9  | 10 |
| 77 | Markerless motion estimation for motion-compensated clinical brain imaging. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 105018   | 3.8  | 10 |
| 76 | Trastuzumab-induced cardiotoxicity: the role of two-dimensional myocardial strain imaging in diagnosis and management. <i>Echocardiography</i> , <b>2012</b> , 29, E137-40  | 1.5  | 10 |
| 75 | The 18 kDa translocator protein (peripheral benzodiazepine receptor) expression in the bone of normal, osteoprotegerin or low calcium diet treated mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e30623                                  | 3.7  | 10 |
| 74 | Direct Estimation of Voxel-Wise Neurotransmitter Response Maps From Dynamic PET Data. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1371-1383   | 11.7 | 10 |
| 73 | Stochastic simulation of radium-223 dichloride therapy at the sub-cellular level. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 6087-96  | 3.8  | 9  |
| 72 | A non-local post-filtering algorithm for PET incorporating anatomical knowledge <b>2009</b> ,   |      | 9  |
| 71 | Effective sensitivity in 3D PET: the impact of detector dead time on 3D system performance. <i>IEEE Transactions on Nuclear Science</i> , <b>1997</b> , 44, 1180-1185   | 1.7  | 9  |
| 70 | Simultaneous emission and transmission (SET) scanning in neurological PET studies. <i>Journal of Computer Assisted Tomography</i> , <b>1997</b> , 21, 487-97  | 2.2  | 9  |
| 69 | Open-field mouse brain PET: design optimisation and detector characterisation. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 6207-6225   | 3.8  | 8  |

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| 68 | Simulation-based optimisation of the PET data processing for partial saturation approach protocols. <i>NeuroImage</i> , <b>2014</b> , 97, 29-40   | 7.9 | 8 |
| 67 | Motion tracking of fully conscious small animals in PET <b>2009</b> ,   |     | 8 |
| 66 | Image-based modelling of residual blurring in motion corrected small animal PET imaging using motion dependent point spread functions. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4, 035032                              | 1.5 | 7 |
| 65 | Challenges in molecular imaging of Parkinson's disease: a brief overview. <i>Brain Research Bulletin</i> , <b>2009</b> , 78, 105-8  | 3.9 | 7 |
| 64 | Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 06RM01   | 3.8 | 7 |
| 63 | SPECT using asymmetric pinholes with truncated projections. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 4103-18  | 3.8 | 6 |
| 62 | The effect of time domain pose filtering on accuracy of small marker based motion correction in awake animal PET <b>2011</b> ,  |     | 6 |
| 61 | Spectral characterization of a blue-enhanced silicon photodetector. <i>IEEE Transactions on Nuclear Science</i> , <b>2001</b> , 48, 1220-1224   | 1.7 | 6 |
| 60 | Classification of Neurotransmitter Response in Dynamic PET Data Using Machine Learning Approaches. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2020</b> , 4, 708-719   | 4.2 | 5 |
| 59 | Attenuation correction for freely moving small animal brain PET studies based on a virtual scanner geometry. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 5651-66   | 3.8 | 5 |
| 58 | An investigation of the challenges in reconstructing PET images of a freely moving animal. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2013</b> , 36, 405-15   | 1.9 | 5 |
| 57 | Projection Process Modelling for Iterative Reconstruction of Pinhole SPECT. <i>IEEE Transactions on Nuclear Science</i> , <b>2010</b> , 57, 2578-2586   | 1.7 | 5 |
| 56 | High-resolution imaging of the large non-human primate brain using microPET: a feasibility study. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 6627-38  | 3.8 | 5 |
| 55 | Design of multipinhole collimators for small animal SPECT   |     | 5 |
| 54 | In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. <i>Physica Medica</i> , <b>2016</b> , 32, 1819-1826   | 2.7 | 4 |
| 53 | Determining Glucose Metabolism Kinetics Using 18F-FDG Micro-PET/CT. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,  | 1.6 | 4 |
| 52 | A motion adaptive animal chamber for PET imaging of freely moving animals <b>2010</b> ,   |     | 4 |
| 51 | Minimum cross-entropy reconstruction of PET images with anatomically based anisotropic median-diffusion filtering. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 6528-31 |     | 4 |

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| 50 | Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>1997</b> , 24, 691-705           | 8.8  | 4 |
| 49 | Rigid motion correction of dual opposed planar projections in single photon imaging. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3923-3943                                   | 3.8  | 3 |
| 48 | Efficient time-weighted sensitivity image calculation for motion compensated list mode reconstruction <b>2014</b> ,   |      | 3 |
| 47 | Optimization of computed tomography protocols: limitations of a methodology employing a phantom with location-known opacities. <i>Journal of Digital Imaging</i> , <b>2013</b> , 26, 1001-7 | 5.3  | 3 |
| 46 | Refraction-compensated motion tracking of unrestrained small animals in positron emission tomography. <i>Medical Image Analysis</i> , <b>2012</b> , 16, 1317-28                             | 15.4 | 3 |
| 45 | Event-based motion correction for PET transmission measurements with a rotating point source. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 2651-65                            | 3.8  | 3 |
| 44 | Count Rate Performance of the MicroPET Focus 220 Animal Scanner in Singles Transmission Scanning Mode. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 2493-2500            | 1.7  | 3 |
| 43 | Correction for continuous motion in small animal PET <b>2008</b> ,  |      | 3 |
| 42 | An anatomically based regionally adaptive prior for MAP reconstruction in emission tomography <b>2007</b> ,   |      | 3 |
| 41 | Event-by-event motion compensation in 3D PET  |      | 3 |
| 40 | Cluster-based Direct Estimation of Parametric Maps of Dopamine Response in Dynamic PET Data <b>2017</b> ,   |      | 2 |
| 39 | Direct estimation of neurotransmitter response in awake and freely moving animals <b>2015</b> ,   |      | 2 |
| 38 | Impact of extraneous mispositioned events on motion-corrected brain SPECT images of freely moving animals. <i>Medical Physics</i> , <b>2014</b> , 41, 092502                                | 4.4  | 2 |
| 37 | Scatter correction for large non-human primate brain imaging using microPET. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 2131-43   | 3.8  | 2 |
| 36 | Attenuation correction for the large non-human primate brain imaging using microPET. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 2351-63                                     | 3.8  | 2 |
| 35 | FastMIST: A Fast Molecular Imaging SimulaTor <b>2012</b> ,  |      | 2 |
| 34 | List-mode image reconstruction for positron emission tomography using tetrahedral voxels. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, N497-N513                              | 3.8  | 2 |
| 33 | Denoising non-steady state dynamic PET data using a feed-forward neural network. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 034001  | 3.8  | 2 |



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| 32 | Motion compensation using origin ensembles in awake small animal positron emission tomography. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 715-733                   | 3.8 | 1 |
| 31 | Clustering Analysis for Neurotransmitter Response Profiles of Dynamic PET data <b>2017</b> ,  |     | 1 |
| 30 | Image reconstruction using tetrahedral voxels: A list mode implementation for awake animal imaging <b>2014</b> ,  |     | 1 |
| 29 | GPU-accelerated motion compensated OSEM list-mode PET reconstruction using a time-averaged sensitivity matrix <b>2013</b> ,   |     | 1 |
| 28 | Calculated attenuation correction for awake small animal brain PET studies <b>2013</b> ,  |     | 1 |
| 27 | Performance of an analytical positron range modelling approach in the context of whole body small animal and clinical PET <b>2011</b> ,   |     | 1 |
| 26 | Truncated pinhole SPECT: Sufficient sampling criteria and applications <b>2010</b> ,  |     | 1 |
| 25 | Refraction-compensated motion tracking of unrestrained animals in PET <b>2010</b> ,   |     | 1 |
| 24 | Statistical motion modeling of the thorax applied to respiratory gated FDG PET <b>2010</b> ,  |     | 1 |
| 23 | An investigation of motion tracking for freely moving animals in PET <b>2010</b> ,  |     | 1 |
| 22 | Understanding and compensating for refraction errors in stereo-optical tracking during small animal PET / SPECT <b>2009</b> ,   |     | 1 |
| 21 | Compensation for lost events in LOR rebinning motion correction for PET <b>2009</b> ,   |     | 1 |
| 20 | Deformable image registration by regarding respiratory motion as 1D wave propagation in an elastic medium <b>2011</b> ,   |     | 1 |
| 19 | Novel SLAM-based markerless motion tracking of conscious unrestrained rodents in PET <b>2011</b> ,  |     | 1 |
| 18 | BrachyView: A novel in-body imaging system for prostate brachytherapy <b>2011</b> ,   |     | 1 |
| 17 | Accelerated reconstruction for identifying image regions affected by rigid body movement <b>2012</b> ,  |     | 1 |
| 16 | The Potential of Tracer Kinetic Studies in Drug Development Programs: A New Investigational Area for Cancer Research. <i>Drug Information Journal</i> , <b>1997</b> , 31, 1045-1049 |     | 1 |
| 15 | Simultaneous emission and transmission scanning in PET oncology: the effect on parameter estimation. <i>IEEE Transactions on Nuclear Science</i> , <b>1997</b> , 44, 67-73          | 1.7 | 1 |



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| 14 | Impact of Detector Defects on Image Quality and Quantification for the microPET Focus 220 Scanner <b>2006</b> ,   |     | 1 |
| 13 | Event-by-event motion compensation for small animal PET <b>2007</b> ,   |     | 1 |
| 12 | Spatial resolution of a small cubic LYSO scintillator crystal detector with depth-of-interaction capabilities in a small animal PET scanner <b>2007</b> ,   |     | 1 |
| 11 | WE-DE-BRA-06: Evaluation of the Imaging Performance of a Novel Water-Equivalent EPID. <i>Medical Physics</i> , <b>2016</b> , 43, 3813-3813  | 4.4 | 1 |
| 10 | Preclinical PET and SPECT. <i>Imaging in Medical Diagnosis and Therapy</i> , <b>2017</b> , 413-438  |     | 1 |
| 9  | ABC in Nuclear Imaging <b>2018</b> , 623-647  |     | 1 |
| 8  | Design Considerations of Small-Animal SPECT Cameras <b>2014</b> , 135-162   |     | 1 |
| 7  | Parametric Image Reconstruction Using Spectral Analysis of (Rebinned) Three-Dimensional Projection Data 1 1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII. <b>1998</b> , 45-50 |     | 1 |
| 6  | Modelling the motion dependent point spread function in motion corrected small animal PET imaging <b>2016</b> ,   |     | 1 |
| 5  | Performance evaluation of a PET insert for preclinical MRI in stand-alone PET and simultaneous PET-MRI modes. <i>EJNMMI Physics</i> , <b>2021</b> , 8, 68   | 4.4 | 0 |
| 4  | Cross Population Motion Modeling Applied to Attenuation Correction of Respiratory Gated F18-FDG PET. <i>IEEE Transactions on Nuclear Science</i> , <b>2016</b> , 63, 170-179  | 1.7 |   |
| 3  | Exposure (mAs) optimisation of a multi-detector CT protocol for hepatic lesion detection: Are thinner slices better?. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2014</b> , 58, 137-43             | 1.7 |   |
| 2  | Quarantine MAP reconstruction of PET/CT data using dual priors <b>2006</b> , 6142, 1442   |     |   |
| 1  | A Small-Animal SPECT Imaging System Utilizing Position Tracking of Unanesthetized Mice <b>2005</b> , 239-243  |     |   |