

Steven Meikle

List of Publications by Year in descending order

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180
papers

3,886
citations

117625

34
h-index

144013

57
g-index

183
all docs

183
docs citations

183
times ranked

3430
citing authors

#	ARTICLE	IF	CITATIONS
1	Small animal SPECT and its place in the matrix of molecular imaging technologies. <i>Physics in Medicine and Biology</i> , 2005, 50, R45-R61.	3.0	286
2	A convolution-subtraction scatter correction method for 3D PET. <i>Physics in Medicine and Biology</i> , 1994, 39, 411-424.	3.0	203
3	Correction for head movements in positron emission tomography using an optical motion-tracking system. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 116-123.	2.0	145
4	Inhalation of hypertonic saline aerosol enhances mucociliary clearance in asthmatic and healthy subjects. <i>European Respiratory Journal</i> , 1996, 9, 725-732.	6.7	143
5	Two-dimensional myocardial strain imaging detects changes in left ventricular systolic function immediately after anthracycline chemotherapy. <i>European Journal of Echocardiography</i> , 2011, 12, 945-952.	2.3	135
6	Segmentation of dynamic PET images using cluster analysis. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 200-207.	2.0	132
7	Positron Emission Tomography Imaging of Neuroinflammation. <i>Neurotherapeutics</i> , 2007, 4, 443-452.	4.4	119
8	A prototype coded aperture detector for small animal SPECT. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 2167-2171.	2.0	112
9	Synthesis and in vivo evaluation of a novel peripheral benzodiazepine receptor PET radioligand. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6188-6194.	3.0	108
10	Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 691-705.	2.1	88
11	Parametric image reconstruction using spectral analysis of PET projection data. <i>Physics in Medicine and Biology</i> , 1998, 43, 651-666.	3.0	85
12	Postreconstruction Nonlocal Means Filtering of Whole-Body PET With an Anatomical Prior. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 636-650.	8.9	83
13	ECAT ART a€” 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> , 1997, 24, 6-15.	2.1	80
14	Simultaneous estimation of physiological parameters and the input function - in vivo PET data. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2001, 5, 67-76.	3.2	80
15	Real-time 3D motion tracking for small animal brain PET. <i>Physics in Medicine and Biology</i> , 2008, 53, 2651-2666.	3.0	72
16	Accelerated EM reconstruction in total-body PET: potential for improving tumour detectability. <i>Physics in Medicine and Biology</i> , 1994, 39, 1689-1704.	3.0	70
17	Airway closure measured by a technegas bolus and SPECT.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 155, 682-688.	5.6	62
18	Optimised Motion Tracking for Positron Emission Tomography Studies of Brain Function in Awake Rats. <i>PLoS ONE</i> , 2011, 6, e21727.	2.5	62

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19	An investigation of coded aperture imaging for small animal SPECT. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 816-821.	2.0	61
20	In vivo evidence for microglial activation in neurodegenerative dementia. <i>Acta Neurologica Scandinavica</i> , 2006, 114, 107-114.	2.1	61
21	Altered left ventricular longitudinal diastolic function correlates with reduced systolic function immediately after anthracycline chemotherapy. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 228-234.	1.2	61
22	Electrocardiographic measurement of infarct size after thrombolytic therapy. <i>Journal of the American College of Cardiology</i> , 1996, 27, 617-624.	2.8	60
23	In vivo imaging of nicotinic receptor upregulation following chronic (-)-nicotine treatment in baboon using SPECT. <i>Nuclear Medicine and Biology</i> , 2001, 28, 165-175.	0.6	59
24	Pharmacokinetic assessment of novel anti-cancer drugs using spectral analysis and positron emission tomography: A feasibility study. <i>Cancer Chemotherapy and Pharmacology</i> , 1998, 42, 183-193.	2.3	57
25	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> , 2013, 49, 3396-3403.	2.8	54
26	Current role of gallium scanning in the management of lymphoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1990, 16, 755-771.	2.1	53
27	A practical 3D tomographic method for correcting patient head motion in clinical SPECT. <i>IEEE Transactions on Nuclear Science</i> , 1999, 46, 667-672.	2.0	50
28	Regularized image reconstruction with an anatomically adaptive prior for positron emission tomography. <i>Physics in Medicine and Biology</i> , 2009, 54, 7379-7400.	3.0	48
29	Strategies for attenuation compensation in neurological PET studies. <i>NeuroImage</i> , 2007, 34, 518-541.	4.2	44
30	Characterisation of partial volume effect and region-based correction in small animal positron emission tomography (PET) of the rat brain. <i>NeuroImage</i> , 2012, 60, 2144-2157.	4.2	44
31	An Event-Driven Motion Correction Method for Neurological PET Studies of Awake Laboratory Animals. <i>Molecular Imaging and Biology</i> , 2008, 10, 315-324.	2.6	43
32	Markerless Motion Tracking of Awake Animals in Positron Emission Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2180-2190.	8.9	43
33	Estimation of input function and kinetic parameters using simulated annealing: application in a flow model. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 707-713.	2.0	41
34	Ligands for peripheral benzodiazepine binding sites in glial cells. <i>Brain Research Reviews</i> , 2005, 48, 207-210.	9.0	39
35	Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , 2021, 66, 06RM01.	3.0	36
36	Transmission-based scatter correction of $^{18}\text{O}_i^{1/2}$ myocardial single-photon emission tomographic studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 1300-1308.	2.1	29

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37	A restraint-free small animal SPECT imaging system with motion tracking. IEEE Transactions on Nuclear Science, 2005, 52, 638-644.	2.0	29
38	Complementary molecular imaging technologies: High resolution SPECT, PET and MRI. Drug Discovery Today: Technologies, 2006, 3, 187-194.	4.0	29
39	Evaluation of transmission methodology and attenuation correction for the microPET Focus 220 animal scanner. Physics in Medicine and Biology, 2006, 51, 4003-4016.	3.0	28
40	In vivo PET imaging with [18F]FDG to explain improved glucose uptake in an apolipoprotein A-I treated mouse model of diabetes. Diabetologia, 2016, 59, 1977-1984.	6.3	27
41	Open-field PET: Simultaneous brain functional imaging and behavioural response measurements in freely moving small animals. NeuroImage, 2019, 188, 92-101.	4.2	26
42	Trishomocubanes: Novel μ ligands modulate cocaine-induced behavioural effects. European Journal of Pharmacology, 2007, 555, 37-42.	3.5	25
43	Median non-local means filtering for low SNR image denoising: Application to PET with anatomical knowledge. , 2010, , .		24
44	Assessment of Cancer-Associated Biomarkers by Positron Emission Tomography: Advances and Challenges. Disease Markers, 2002, 18, 211-247.	1.3	23
45	Analytical positron range modelling in heterogeneous media for PET Monte Carlo simulation. Physics in Medicine and Biology, 2011, 56, 3313-3335.	3.0	23
46	Noise-reducing algorithms do not necessarily provide superior dose optimisation for hepatic lesion detection with multidetector CT. British Journal of Radiology, 2013, 86, 20120500.	2.2	23
47	Quantitative Techniques in PET. , 2005, , 93-126.		22
48	Performance evaluation of quantitative SPECT/CT using NEMA NU 2 PET methodology. Physics in Medicine and Biology, 2019, 64, 145017.	3.0	20
49	Optimized sampling and parameter estimation for quantification in whole body PET. IEEE Transactions on Biomedical Engineering, 1996, 43, 1021-1028.	4.2	19
50	A Motion Adaptive Animal Chamber for PET Imaging of Freely Moving Animals. IEEE Transactions on Nuclear Science, 2013, 60, 3423-3431.	2.0	19
51	Instrumentation and Methodology for Quantitative Pre-Clinical Imaging Studies. Current Pharmaceutical Design, 2001, 7, 1945-1966.	1.9	18
52	The potential role of echocardiographic strain imaging for evaluating cardiotoxicity due to cancer therapy. Heart Lung and Circulation, 2011, 20, 3-9.	0.4	18
53	Direct Estimation of Voxel-Wise Neurotransmitter Response Maps From Dynamic PET Data. IEEE Transactions on Medical Imaging, 2019, 38, 1371-1383.	8.9	18
54	Tracking and characterizing the head motion of unanaesthetized rats in positron emission tomography. Journal of the Royal Society Interface, 2012, 9, 3094-3107.	3.4	17

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55	Imaging Capabilities of the Inveon SPECT System Using Single-and Multipinhole Collimators. Journal of Nuclear Medicine, 2013, 54, 1833-1840.	5.0	17
56	BrachyView: Proof-of-principle of a novel in-body gamma camera for low dose-rate prostate brachytherapy. Medical Physics, 2013, 40, 041709.	3.0	17
57	Markerless motion estimation for motion-compensated clinical brain imaging. Physics in Medicine and Biology, 2018, 63, 105018.	3.0	17
58	A scheme for PET data normalization in event-based motion correction. Physics in Medicine and Biology, 2009, 54, 5321-5339.	3.0	16
59	Effective sensitivity in 3D PET: the impact of detector dead time on 3D system performance. IEEE Transactions on Nuclear Science, 1997, 44, 1180-1185.	2.0	15
60	The influence of tomograph sensitivity on kinetic parameter estimation in positron emission tomography imaging studies of the rat brain. Nuclear Medicine and Biology, 2000, 27, 617-625.	0.6	15
61	The role of positron emission tomography in the discovery and development of new drugs; As studied in laboratory animals. European Journal of Drug Metabolism and Pharmacokinetics, 2004, 29, 1-6.	1.6	15
62	Motion tracking of fully conscious small animals in PET. , 2009, , .		15
63	Open-field mouse brain PET: design optimisation and detector characterisation. Physics in Medicine and Biology, 2017, 62, 6207-6225.	3.0	15
64	Event-by-event motion compensation in 3D PET. , 0, , .		14
65	Simultaneous Emission and Transmission (SET) Scanning in Neurological PET Studies. Journal of Computer Assisted Tomography, 1997, 21, 487-497.	0.9	14
66	Simultaneous emission and transmission measurements as an adjunct to dynamic planar gamma camera studies. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 326-331.	2.1	13
67	An investigation of inconsistent projections and artefacts in multi-pinhole SPECT with axially aligned pinholes. Physics in Medicine and Biology, 2011, 56, 7487-7503.	3.0	13
68	Trastuzumab-Induced Cardiotoxicity: The Role of Two-Dimensional Myocardial Strain Imaging in Diagnosis and Management. Echocardiography, 2012, 29, E137-40.	0.9	13
69	Benchmarking of a motion sensing system for medical imaging and radiotherapy. Physics in Medicine and Biology, 2008, 53, 5845-5857.	3.0	12
70	A non-local post-filtering algorithm for PET incorporating anatomical knowledge. , 2009, , .		12
71	Stochastic simulation of radium-223 dichloride therapy at the sub-cellular level. Physics in Medicine and Biology, 2015, 60, 6087-6096.	3.0	12
72	4D PET iterative deconvolution with spatiotemporal regularization for quantitative dynamic PET imaging. NeuroImage, 2015, 118, 484-493.	4.2	12

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73	Spectral characterization of a blue-enhanced silicon photodetector. IEEE Transactions on Nuclear Science, 2001, 48, 1220-1224.	2.0	11
74	Synthesis and in vivo evaluation of [18F]N-(2-benzofuranylmethyl)-N- ϵ -[4-(2-fluoroethoxy)benzyl]piperazine, a novel β 1 receptor PET imaging agent. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6820-6823.	2.2	11
75	The 18 kDa Translocator Protein (Peripheral Benzodiazepine Receptor) Expression in the Bone of Normal, Osteoprotegerin or Low Calcium Diet Treated Mice. PLoS ONE, 2012, 7, e30623.	2.5	11
76	Design of multipinhole collimators for small animal SPECT. , 0, , .		10
77	The effect of time domain pose filtering on accuracy of small marker based motion correction in awake animal PET. , 2011, , .		8
78	Simulation-based optimisation of the PET data processing for Partial Saturation Approach protocols. NeuroImage, 2014, 97, 29-40.	4.2	8
79	High-resolution imaging of the large non-human primate brain using microPET: a feasibility study. Physics in Medicine and Biology, 2007, 52, 6627-6638.	3.0	7
80	Challenges in molecular imaging of Parkinson's disease: A brief overview. Brain Research Bulletin, 2009, 78, 105-108.	3.0	7
81	Projection Process Modelling for Iterative Reconstruction of Pinhole SPECT. IEEE Transactions on Nuclear Science, 2010, 57, 2578-2586.	2.0	7
82	SPECT using asymmetric pinholes with truncated projections. Physics in Medicine and Biology, 2011, 56, 4103-4118.	3.0	7
83	In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. Physica Medica, 2016, 32, 1819-1826.	0.7	7
84	Determining Glucose Metabolism Kinetics Using 18 F-FDG Micro-PET/CT. Journal of Visualized Experiments, 2017, , .	0.3	7
85	Image-based modelling of residual blurring in motion corrected small animal PET imaging using motion dependent point spread functions. Biomedical Physics and Engineering Express, 2018, 4, 035032.	1.2	7
86	Classification of Neurotransmitter Response in Dynamic PET Data Using Machine Learning Approaches. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 708-719.	3.7	7
87	Denoising non-steady state dynamic PET data using a feed-forward neural network. Physics in Medicine and Biology, 2021, 66, 034001.	3.0	7
88	Correction for continuous motion in small animal PET. , 2008, , .		6
89	A motion adaptive animal chamber for PET imaging of freely moving animals. , 2010, , .		6
90	BrachyView: A novel in-body imaging system for prostate brachytherapy. , 2011, , .		6

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91	An investigation of the challenges in reconstructing PET images of a freely moving animal. Australasian Physical and Engineering Sciences in Medicine, 2013, 36, 405-415.	1.3	6
92	Minimum Cross-entropy Reconstruction of PET Images with Anatomically Based Anisotropic Median-Diffusion Filtering. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6528-31.	0.5	5
93	Attenuation correction for freely moving small animal brain PET studies based on a virtual scanner geometry. Physics in Medicine and Biology, 2014, 59, 5651-5666.	3.0	5
94	An investigation of motion tracking for freely moving animals in PET. , 2010, , .		4
95	Novel SLAM-based markerless motion tracking of conscious unrestrained rodents in PET. , 2011, , .		4
96	Calculated attenuation correction for awake small animal brain PET studies. , 2013, , .		4
97	PET-ABC: fully Bayesian likelihood-free inference for kinetic models. Physics in Medicine and Biology, 2021, 66, 115002.	3.0	4
98	Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. European Journal of Nuclear Medicine and Molecular Imaging, 1997, 24, 691-705.	6.4	4
99	Performance evaluation of a PET insert for preclinical MRI in stand-alone PET and simultaneous PET+MRI modes. EJNMMI Physics, 2021, 8, 68.	2.7	4
100	Simultaneous emission and transmission scanning in PET oncology: the effect on parameter estimation. IEEE Transactions on Nuclear Science, 1997, 44, 67-73.	2.0	3
101	An anatomically based regionally adaptive prior for MAP reconstruction in emission tomography. , 2007, , .		3
102	Count Rate Performance of the MicroPET Focus 220 Animal Scanner in Singles Transmission Scanning Mode. IEEE Transactions on Nuclear Science, 2008, 55, 2493-2500.	2.0	3
103	Event-based motion correction for PET transmission measurements with a rotating point source. Physics in Medicine and Biology, 2011, 56, 2651-2665.	3.0	3
104	Markerless motion tracking enabling motion-compensated PET in awake rats. , 2012, , .		3
105	FastMIST: A Fast Molecular Imaging SimulaTor. , 2012, , .		3
106	Refraction-compensated motion tracking of unrestrained small animals in positron emission tomography. Medical Image Analysis, 2012, 16, 1317-1328.	11.6	3
107	Optimization of Computed Tomography Protocols: Limitations of a Methodology Employing a Phantom with Location-Known Opacities. Journal of Digital Imaging, 2013, 26, 1001-1007.	2.9	3
108	Efficient time-weighted sensitivity image calculation for motion compensated list mode reconstruction. , 2014, , .		3

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109	Direct estimation of neurotransmitter response in awake and freely moving animals. , 2015, , .		3
110	Rigid motion correction of dual opposed planar projections in single photon imaging. Physics in Medicine and Biology, 2017, 62, 3923-3943.	3.0	3
111	Cluster-based Direct Estimation of Parametric Maps of Dopamine Response in Dynamic PET Data. , 2017, , .		3
112	Quarantine MAP reconstruction of PET/CT data using dual priors. , 2006, 6142, 1442.		2
113	Event-by-event motion compensation for small animal PET. , 2007, , .		2
114	Compensation for lost events in LOR rebinned motion correction for PET. , 2009, , .		2
115	Refraction-compensated motion tracking of unrestrained animals in PET. , 2010, , .		2
116	Statistical motion modeling of the thorax applied to respiratory gated FDG PET. , 2010, , .		2
117	Attenuation correction for the large non-human primate brain imaging using microPET. Physics in Medicine and Biology, 2010, 55, 2351-2363.	3.0	2
118	Scatter correction for large non-human primate brain imaging using microPET. Physics in Medicine and Biology, 2011, 56, 2131-2143.	3.0	2
119	Comparative study of partial volume correction methods in small animal positron emission tomography (PET) of the rat brain. , 2011, , .		2
120	Iterative-based Partial Volume Effects correction with wavelet-based regularization for quantitative PET imaging. , 2011, , .		2
121	Impact of extraneous mispositioned events on motion-corrected brain SPECT images of freely moving animals. Medical Physics, 2014, 41, 092502.	3.0	2
122	List-mode image reconstruction for positron emission tomography using tetrahedral voxels. Physics in Medicine and Biology, 2016, 61, N497-N513.	3.0	2
123	Design Considerations of Small-Animal SPECT Cameras. , 2014, , 135-162.		2
124	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.. , 1998, , 45-50.		2
125	ABC in Nuclear Imaging. , 2018, , 623-647.		2
126	CONN-NLM: A Novel CONNectome-Based Non-local Means Filter for PET-MRI Denoising. Frontiers in Neuroscience, 2022, 16, .	2.8	2

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127	The Potential of Tracer Kinetic Studies in Drug Development Programs: A New Investigational Area for Cancer Research. Drug Information Journal, 1997, 31, 1045-1049.	0.5	1
128	Geometry Calibration of a Dual Headed SPECT System, with Rocking Motion Correction, for Small Animal Imaging. , 0, , .		1
129	Impact of Detector Defects on Image Quality and Quantification for the microPET Focus 220 Scanner. , 2006, , .		1
130	Spatial resolution of a small cubic LYSO scintillator crystal detector with depth-of-interaction capabilities in a small animal PET scanner. , 2007, , .		1
131	An optical tracking system for motion correction in small animal PET. , 2007, , .		1
132	An investigation of partial volume effect and partial volume correction in small animal positron emission tomography (PET) of the rat brain. , 2008, , .		1
133	Understanding and compensating for refraction errors in stereo-optical tracking during small animal PET / SPECT. , 2009, , .		1
134	Investigation of motion-corrected VOI reconstruction for freely moving small animals with microPET. , 2010, , .		1
135	Truncated pinhole SPECT: Sufficient sampling criteria and applications. , 2010, , .		1
136	Performance of an analytical positron range modelling approach in the context of whole body small animal and clinical PET. , 2011, , .		1
137	Deformable image registration by regarding respiratory motion as 1D wave propagation in an elastic medium. , 2011, , .		1
138	Accelerated reconstruction for identifying image regions affected by rigid body movement. , 2012, , .		1
139	Motion-corrected planar projection imaging for awake and freely moving small animals. , 2013, , .		1
140	GPU-accelerated motion compensated OSEM list-mode PET reconstruction using a time-averaged sensitivity matrix. , 2013, , .		1
141	Image reconstruction using tetrahedral voxels: A list mode implementation for awake animal imaging. , 2014, , .		1
142	Modelling the motion dependent point spread function in motion corrected small animal PET imaging. , 2016, , .		1
143	Motion compensation using origin ensembles in awake small animal positron emission tomography. Physics in Medicine and Biology, 2017, 62, 715-733.	3.0	1
144	PO-0767: Revisiting EPID design for modern radiotherapy requirements. Radiotherapy and Oncology, 2017, 123, S406.	0.6	1

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145	Clustering Analysis for Neurotransmitter Response Profiles of Dynamic PET data. , 2017, , .		1
146	An investigation of ⁶⁸ Ga positron range correction through de-blurring: A simulation study. , 2018, , .		1
147	Motion-Adaptive Gantry Development for Open-Field Mouse PET. , 2019, , .		1
148	Direct Estimation of Neurotransmitter Activation Parameters in Dynamic PET Using Regression Neural Networks. , 2019, , .		1
149	WE-DE-BRA-06: Evaluation of the Imaging Performance of a Novel Water-Equivalent EPID. Medical Physics, 2016, 43, 3813-3813.	3.0	1
150	Preclinical PET and SPECT. Imaging in Medical Diagnosis and Therapy, 2017, , 413-438.	0.0	1
151	A novel method of scatter correction. Nuclear Medicine Communications, 1998, 19, 611.	1.1	0
152	A Small-Animal SPECT Imaging System Utilizing Position Tracking of Unanesthetized Mice. , 2005, , 239-243.		0
153	Evaluation of Transmission Methodology for the microPET Focus 220 Animal Scanner. , 0, , .		0
154	Count Rate Performance and Dead Time in Singles Transmission Scanning for the microPET Focus 220 Scanner. , 2006, , .		0
155	Maximizing the Useful Field of View of the microPET: Feasibility of Imaging Large Animals. , 2006, , .		0
156	A numerical observer study of MAP with anatomical and functional priors for lesion detection. , 2007, , .		0
157	Benchmarking of a motion sensing system for medical imaging and radiotherapy. , 2007, , .		0
158	A normalization scheme for LOR-based motion correction in PET. , 2008, , .		0
159	Event-based motion correction in PET transmission measurements with a rotating point source. , 2010, , .		0
160	Investigation of quantitative errors due to LOR rebinning motion correction for freely moving small animals with microPET. , 2011, , .		0
161	Optimization of hepatic lesion detection with computed tomography (CT): Is randomization of lesion location necessary?. , 2011, , .		0
162	Impact of extraneous mispositioned events on motion-corrected brain SPECT images of freely moving animals. , 2012, , .		0

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163	Dose-optimized slice thickness for routine multislice computed tomography liver examinations. Proceedings of SPIE, 2012, , .	0.8	0
164	Markerless motion tracking for motion-compensated clinical imaging. , 2013, , .		0
165	Reducing event losses in sinogram-based PET motion correction by extending the axial field of view. , 2013, , .		0
166	BrachyView: Tomographic reconstruction using Timepix detectors in post-implant dosimetry checks for permanent prostate brachytherapy implants. , 2013, , .		0
167	Exposure ($\langle \text{mAs} \rangle$) optimisation of a multi-detector CT protocol for hepatic lesion detection: Are thinner slices better?. Journal of Medical Imaging and Radiation Oncology, 2014, 58, 137-143.	1.8	0
168	Improved attenuation correction for freely moving animal brain PET studies using a virtual scanner geometry. Proceedings of SPIE, 2014, , .	0.8	0
169	List-mode PET image reconstruction for motion correction using the Intel XEON PHI co-processor. Proceedings of SPIE, 2014, , .	0.8	0
170	Feasibility of motion-corrected planar projection imaging of single photon emitters: A phantom study. , 2014, , .		0
171	Open-field mouse brain PET: Design considerations and detector development. , 2015, , .		0
172	Motion compensation and pose measurement uncertainty in awake small animal positron emission tomography using stochastic origin ensembles. , 2015, , .		0
173	DoI detector design and characterization for open-field mouse brain PET. , 2016, , .		0
174	Direct regional quantification and uncertainty estimation using origin ensembles. , 2016, , .		0
175	System specific modeling for absolute quantification of ^{99m}Tc and ^{177}Lu with SPECT/CT. , 2016, , .		0
176	Cross Population Motion Modeling Applied to Attenuation Correction of Respiratory Gated F18-FDG PET. IEEE Transactions on Nuclear Science, 2016, 63, 170-179.	2.0	0
177	Silhouette-Based Markerless Motion Estimation of Awake Rodents in PET. , 2017, , .		0
178	A novel water-equivalent electronic portal imaging device for radiotherapy with improved detective quantum efficiency: Proof of concept. , 2017, , .		0
179	Performance Evaluation of Quantitative SPECT/CT: Applying NEMA NU2 PET Measurements to SPECT. , 2017, , .		0
180	BrachyView: Tomographic reconstruction using timepix detectors in post-implant dosimetry checks for permanent prostate brachytherapy implants. , 2013, , .		0