

# Jae Sung Lee

## 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.

230  
papers

6,049  
citations

40  
h-index

68  
g-index

262  
ext. papers

6,957  
ext. citations

4.4  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
230	A time-based single transmission-line readout with position multiplexing.. <i>Biomedical Engineering Letters</i> , <b>2022</b> , 12, 85-95	3.6	0
229	Image-level trajectory inference of tau pathology using variational autoencoder for Flortaucipir PET.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2022</b> , 1	8.8	0
228	. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 1-1	4.2	0
227	A Brief History of Nuclear Medicine Physics, Instrumentation, and Data Sciences in Korea. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 55, 265-284	1.9	
226	Dopamine dysregulation in psychotic relapse after antipsychotic discontinuation: an [F]DOPA and [C]raclopride PET study in first-episode psychosis. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 3476-3488	15.1	6
225	Evaluation of Large-Area Silicon Photomultiplier Arrays for Positron Emission Tomography Systems. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 698	2.6	0
224	Quantitative salivary gland SPECT/CT using deep convolutional neural networks. <i>Scientific Reports</i> , <b>2021</b> , 11, 7842	4.9	4
223	Anatomy-guided PET reconstruction using bowsher prior. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66,	3.8	1
222	Scalable electronic readout design for a 100 ps coincidence time resolution TOF-PET system. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66,	3.8	4
221	Data-driven respiratory phase-matched PET attenuation correction without CT. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66,	3.8	4
220	Translating amyloid PET of different radiotracers by a deep generative model for interchangeability. <i>NeuroImage</i> , <b>2021</b> , 232, 117890	7.9	5
219	Synthetic CT generation from weakly paired MR images using cycle-consistent GAN for MR-guided radiotherapy. <i>Biomedical Engineering Letters</i> , <b>2021</b> , 11, 263-271	3.6	4
218	Development and Initial Results of a Brain PET Insert for Simultaneous 7-Tesla PET/MRI Using an FPGA-Only Signal Digitization Method. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 1579-1590	11.7	6
217	A Review of Deep-Learning-Based Approaches for Attenuation Correction in Positron Emission Tomography. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 160-184	4.2	26
216	Deep learning-Based 3D inpainting of brain MR images. <i>Scientific Reports</i> , <b>2021</b> , 11, 1673	4.9	8
215	Abnormal neuroinflammation in fibromyalgia and CRPS using [11C]-(R)-PK11195 PET. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246152	3.7	1
214	Performance Evaluation of SimPET-X, a PET Insert for Simultaneous Mouse Total-Body PET/MR Imaging. <i>Molecular Imaging and Biology</i> , <b>2021</b> , 23, 703-713	3.8	1

213	Biodistribution and internal radiation dosimetry of a companion diagnostic radiopharmaceutical, [Ga]PSMA-11, in subcutaneous prostate cancer xenograft model mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 15263	4.9	0
212	Efficacy of voxel-based dosimetry map for predicting response to trans-arterial radioembolization therapy for hepatocellular carcinoma: a pilot study. <i>Nuclear Medicine Communications</i> , <b>2021</b> , 42, 1396-1403	1.6	
211	Comparison of deep learning-based emission-only attenuation correction methods for positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 49, 1833	8.8	2
210	Self-supervised PET Denoising. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 54, 299-304	1.9	9
209	Comparator-less PET data acquisition system using single-ended memory interface input receivers of FPGA. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 155007	3.8	4
208	Recovery of inter-detector and inter-crystal scattering in brain PET based on LSO and GAGG crystals. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 195005	3.8	6
207	Preclinical Voxel-Based Dosimetry in Theranostics: a Review. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 54, 86-97	1.9	3
206	<b>2020,</b>		1
205	SiPM signal readout for inter-crystal scatter event identification in PET detectors. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 205010	3.8	2
204	Crystal surface and reflector optimization for the SiPM-based dual-ended readout TOF-DOI PET detector. <i>Biomedical Physics and Engineering Express</i> , <b>2020</b> , 6,	1.5	10
203	[F]CB251 PET/MR imaging probe targeting translocator protein (TSPO) independent of its Polymorphism in a Neuroinflammation Model. <i>Theranostics</i> , <b>2020</b> , 10, 9315-9331	12.1	10
202	SimPET: a Preclinical PET Insert for Simultaneous PET/MR Imaging. <i>Molecular Imaging and Biology</i> , <b>2020</b> , 22, 1208-1217	3.8	9
201	Robust nonlinear parameter estimation in tracer kinetic analysis using infinity norm regularization and particle swarm optimization. <i>Physica Medica</i> , <b>2020</b> , 72, 60-72	2.7	1
200	Generation of PET Attenuation Map for Whole-Body Time-of-Flight F-FDG PET/MRI Using a Deep Neural Network Trained with Simultaneously Reconstructed Activity and Attenuation Maps. <i>Journal of Nuclear Medicine</i> , <b>2019</b> , 60, 1183-1189	8.9	69
199	Multi-atlas cardiac PET segmentation. <i>Physica Medica</i> , <b>2019</b> , 58, 32-39	2.7	4
198	Therapeutic Effect of Fimasartan in a Rat Model of Myocardial Infarction Evaluated by Cardiac Positron Emission Tomography with [F]FPTP. <i>Chonnam Medical Journal</i> , <b>2019</b> , 55, 109-115	1.3	2
197	Time-based signal sampling using sawtooth-shaped threshold. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 125020	3.8	4
196	Measurement of Glomerular Filtration Rate using Quantitative SPECT/CT and Deep-learning-based Kidney Segmentation. <i>Scientific Reports</i> , <b>2019</b> , 9, 4223	4.9	28

195	SiPM-based dual-ended-readout DOI-TOF PET module based on mean-time method. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P02023-P02023	1	9
194	Preclinical voxel-based dosimetry through GATE Monte Carlo simulation using PET/CT imaging of mice. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 095007	3.8	9
193	Deep-dose: a voxel dose estimation method using deep convolutional neural network for personalized internal dosimetry. <i>Scientific Reports</i> , <b>2019</b> , 9, 10308	4.9	31
192	Voxel-Based Dosimetry of Iron Oxide Nanoparticle-Conjugated Lu-Labeled Folic Acid Using SPECT/CT Imaging of Mice. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1498-1506	5.6	7
191	Highly multiplexed SiPM signal readout for brain-dedicated TOF-DOI PET detectors. <i>Physica Medica</i> , <b>2019</b> , 68, 117-123	2.7	14
190	Frontostriatal functional connectivity and striatal dopamine synthesis capacity in schizophrenia in terms of antipsychotic responsiveness: an [F]DOPA PET and fMRI study. <i>Psychological Medicine</i> , <b>2019</b> , 49, 2533-2542	6.9	7
189	Tumor-Associated Macrophages Enhance Tumor Hypoxia and Aerobic Glycolysis. <i>Cancer Research</i> , <b>2019</b> , 79, 795-806	10.1	109
188	Advances in imaging instrumentation for nuclear cardiology. <i>Journal of Nuclear Cardiology</i> , <b>2019</b> , 26, 543-556	2.1	9
187	Improving the Accuracy of Simultaneously Reconstructed Activity and Attenuation Maps Using Deep Learning. <i>Journal of Nuclear Medicine</i> , <b>2018</b> , 59, 1624-1629	8.9	92
186	The relationship between dopamine receptor blockade and cognitive performance in schizophrenia: a [C]-raclopride PET study with aripiprazole. <i>Translational Psychiatry</i> , <b>2018</b> , 8, 87	8.6	14
185	Whole-Body Voxel-Based Personalized Dosimetry: The Multiple Voxel S-Value Approach for Heterogeneous Media with Nonuniform Activity Distributions. <i>Journal of Nuclear Medicine</i> , <b>2018</b> , 59, 1133-1139	8.9	18
184	Adaptive template generation for amyloid PET using a deep learning approach. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3769-3778	5.9	35
183	Highly Integrated FPGA-Only Signal Digitization Method Using Single-Ended Memory Interface Input Receivers for Time-of-Flight PET Detectors. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2018</b> , 12, 1401-1409	5.1	20
182	Novel inter-crystal scattering event identification method for PET detectors. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 115015	3.8	5
181	Performance Evaluation and Quantitative Accuracy of Multipinhole NanoSPECT/CT Scanner for Theranostic Lu-177 Imaging. <i>Journal of the Korean Physical Society</i> , <b>2018</b> , 72, 1379-1386	0.6	5
180	Performance of a new accelerating-electrode-equipped fast-time-response PMT coupled with fast LGSO. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 05NT03	3.8	3
179	Achieving reliable coincidence resolving time measurement of PET detectors using multichannel waveform digitizer based on DRS4 chip. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 24NT02	3.8	6
178	Tracer Kinetics in Radionanomedicine <b>2018</b> , 293-310		

177	Systematic study on factors influencing the performance of interdetector scatter recovery in small-animal PET. <i>Medical Physics</i> , <b>2018</b> , 45, 3551	4.4	3
176	Computed tomography super-resolution using deep convolutional neural network. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 145011	3.8	85
175	Single transmission-line readout method for silicon photomultiplier based time-of-flight and depth-of-interaction PET. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 2194-2207	3.8	14
174	Prototype pre-clinical PET scanner with depth-of-interaction measurements using single-layer crystal array and single-ended readout. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3983-3996	3.8	15
173	Comparative evaluation of the algorithms for parametric mapping of the novel myocardial PET imaging agent F-FPTP. <i>Annals of Nuclear Medicine</i> , <b>2017</b> , 31, 469-479	2.5	3
172	Presynaptic Dopamine Capacity in Patients with Treatment-Resistant Schizophrenia Taking Clozapine: An [ <sup>18</sup> F]DOPA PET Study. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 941-950	8.7	70
171	Hybrid charge division multiplexing method for silicon photomultiplier based PET detectors. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 4390-4405	3.8	21
170	A depth-of-interaction PET detector using a stair-shaped reflector arrangement and a single-ended scintillation light readout. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 465-483	3.8	24
169	Evaluation of a FPGA-based Real-Time Coincidence System for High Count Rate PET Scanners <b>2017</b> ,		4
168	Proof-of-concept prototype time-of-flight PET system based on high-quantum-efficiency multianode PMTs. <i>Medical Physics</i> , <b>2017</b> , 44, 5314-5324	4.4	17
167	Musculoskeletal Lesions: Nuclear Medicine Imaging Pitfalls <b>2017</b> , 951-976		1
166	[ <sup>11</sup> C]-( <sup>1</sup> R)-PK11195 positron emission tomography in patients with complex regional pain syndrome: A pilot study. <i>Medicine (United States)</i> , <b>2017</b> , 96, e5735	1.8	26
165	Regional Differences in Serotonin Transporter Occupancy by Escitalopram: An [ <sup>11</sup> C]DASB PK-PD Study. <i>Clinical Pharmacokinetics</i> , <b>2017</b> , 56, 371-381	6.2	6
164	Relationship Between K and K with Simultaneous Separate MR/PET in Rabbits with VX2 Tumors. <i>Anticancer Research</i> , <b>2017</b> , 37, 1139-1148	2.3	2
163	Dual-Phase Tapped-Delay-Line Time-to-Digital Converter With On-the-Fly Calibration Implemented in 40 nm FPGA. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2016</b> , 10, 231-42	5.1	54
162	Joint estimation of activity distribution and attenuation map for TOF-PET using alternating direction method of multiplier <b>2016</b> ,		4
161	Noninvasive bi-graphical analysis for the quantification of slowly reversible radioligand binding. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 6770-6790	3.8	3
160	Feasibility of simultaneous <sup>18</sup> F-FDG PET/MRI for the quantitative volumetric and metabolic measurements of abdominal fat tissues using fat segmentation. <i>Nuclear Medicine Communications</i> , <b>2016</b> , 37, 616-22	1.6	5

159	. <i>IEEE Transactions on Nuclear Science</i> , <b>2016</b> , 63, 44-51	1.7	13
158	MRI-Based Attenuation Correction for PET/MRI Using Multiphase Level-Set Method. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 587-93	8.9	25
157	Evaluation of a silicon photomultiplier PET insert for simultaneous PET and MR imaging. <i>Medical Physics</i> , <b>2016</b> , 43, 72	4.4	40
156	Radiation Dose from Whole-Body F-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography: Nationwide Survey in Korea. <i>Journal of Korean Medical Science</i> , <b>2016</b> , 31 Suppl 1, S69-74	4.7	13
155	Clinical Applications of Simultaneous PET/MR Imaging Using (R)-[11C]-Verapamil with Cyclosporin A: Preliminary Results on a Surrogate Marker of Drug-Resistant Epilepsy. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 600-6	4.4	20
154	Simultaneous Multiparametric PET/MRI with Silicon Photomultiplier PET and Ultra-High-Field MRI for Small-Animal Imaging. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 1309-15	8.9	51
153	Time-to-Digital Converter Using a Tuned-Delay Line Evaluated in 28-, 40-, and 45-nm FPGAs. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 1678-1689	5.2	59
152	Delay grid multiplexing: simple time-based multiplexing and readout method for silicon photomultipliers. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 7113-7135	3.8	14
151	Association between partial-volume corrected SUVmax and Oncotype DX recurrence score in early-stage, ER-positive/HER2-negative invasive breast cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2016</b> , 43, 1574-84	8.8	5
150	Performance characterization of high quantum efficiency metal package photomultiplier tubes for time-of-flight and high-resolution PET applications. <i>Medical Physics</i> , <b>2015</b> , 42, 510-20	4.4	17
149	Putaminal serotonergic innervation: monitoring dyskinesia risk in Parkinson disease. <i>Neurology</i> , <b>2015</b> , 85, 853-60	6.5	40
148	Comparative assessment of parametric neuroreceptor mapping approaches based on the simplified reference tissue model using [ <sup>11</sup> C]ABP688 PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 2098-108	7.3	7
147	Depth-of-interaction measurement in a single-layer crystal array with a single-ended readout using digital silicon photomultiplier. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 6495-514	3.8	24
146	Derivation of the scan time requirement for maintaining a consistent PET image quality. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P05011-P05011	1	2
145	Assessment of MR-compatibility of SiPM PET insert using short optical fiber bundles for small animal research. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P12008-P12008	1	7
144	Rapid Hepatobiliary Excretion of Micelle-Encapsulated/Radiolabeled Upconverting Nanoparticles as an Integrated Form. <i>Scientific Reports</i> , <b>2015</b> , 5, 15685	4.9	27
143	The use of fluorine-18 fluorodeoxyglucose positron emission tomography for imaging human motor neuronal activation in the brain. <i>Experimental and Therapeutic Medicine</i> , <b>2015</b> , 10, 2126-2130	2.1	1
142	Innovative Physics and Engineering Research in Nuclear Medicine and Molecular Imaging: A Message from the Associate Editor. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2015</b> , 49, 249-50	1.9	2

141	Integrated whole body MR/PET: where are we?. <i>Korean Journal of Radiology</i> , <b>2015</b> , 16, 32-49	6.9	36
140	Whole-brain diffusion-tensor changes in parkinsonian patients with impulse control disorders. <i>Journal of Clinical Neurology (Korea)</i> , <b>2015</b> , 11, 42-7	1.7	26
139	Development of a non-delay line constant fraction discriminator based on the Padé approximant for time-of-flight positron emission tomography scanners. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P01005-P01005	1.0	1
138	Design optimization of a small-animal SPECT system using LGSO continuous crystals and micro parallel-hole collimators. <i>Journal of the Korean Physical Society</i> , <b>2015</b> , 67, 224-231	0.6	1
137	A Dual-Ended Readout Detector Using a Meantime Method for SiPM TOF-DOI PET. <i>IEEE Transactions on Nuclear Science</i> , <b>2015</b> , 62, 1935-1943	1.7	31
136	Automated Analysis of (123)I-beta-CIT SPECT Images with Statistical Probabilistic Anatomical Mapping. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2014</b> , 48, 47-54	1.9	2
135	Preliminary evaluation of a brain PET insertable to MRI. <i>EJNMMI Physics</i> , <b>2014</b> , 1, A13	4.4	1
134	Extrastriatal dopaminergic changes in Parkinson's disease patients with impulse control disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2014</b> , 85, 23-30	5.5	35
133	Signal encoding method for a time-of-flight PET detector using a silicon photomultiplier array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 761, 39-45	1.2	24
132	Bipolar analog signal multiplexing for position-sensitive PET block detectors. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 7835-46	3.8	9
131	A strategy to reduce blocky pattern and contrast loss in emission tomography reconstruction with reduced angular sampling and total variation minimization. <i>Biomedical Engineering Letters</i> , <b>2014</b> , 4, 362-369	3.6	2
130	Recent advances in parametric neuroreceptor mapping with dynamic PET: basic concepts and graphical analyses. <i>Neuroscience Bulletin</i> , <b>2014</b> , 30, 733-54	4.3	7
129	Segmentation-based MR attenuation correction including bones also affects quantitation in brain studies: an initial result of 18F-FP-CIT PET/MR for patients with parkinsonism. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 1617-22	8.9	21
128	Recent advances in hybrid molecular imaging systems. <i>Seminars in Musculoskeletal Radiology</i> , <b>2014</b> , 18, 103-22	1.8	14
127	Feasibility of PET Template-Based Analysis on F-18 FP-CIT PET in Patients with De Novo Parkinson's Disease. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2013</b> , 47, 73-80	1.9	12
126	The relationship between antipsychotic D2 occupancy and change in frontal metabolism and working memory : A dual [(11)C]raclopride and [(18) F]FDG imaging study with aripiprazole. <i>Psychopharmacology</i> , <b>2013</b> , 227, 221-9	4.7	38
125	Quantitative positron emission tomography imaging of angiogenesis in rats with forelimb ischemia using (68)Ga-NOTA-c(RGDyK). <i>Angiogenesis</i> , <b>2013</b> , 16, 837-46	10.6	12
124	Development of a front-end analog circuit for multi-channel SiPM readout and performance verification for various PET detector designs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 703, 38-44	1.2	18

123	Feasibility and kinetic characteristics of (68)Ga-NOTA-RGD PET for in vivo atherosclerosis imaging. <i>Annals of Nuclear Medicine</i> , <b>2013</b> , 27, 847-54	2.5	23
122	Timing Performance Study of New Fast PMTs With LYSO for Time-of-Flight PET. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 30-37	1.7	23
121	Spatiotemporal dynamics and functional correlates of evoked neural oscillations with different spectral powers in human visual cortex. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 2248-56	4.3	3
120	Resolution recovery reconstruction for a Compton camera. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 2823-40	3.8	17
119	PET/MRI <b>2013</b> , 373-390		1
118	Continuous depth-of-interaction measurement in a single-layer pixelated crystal array using a single-ended readout. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 1269-82	3.8	50
117	Predicting brain occupancy from plasma levels using PET: superiority of combining pharmacokinetics with pharmacodynamics while modeling the relationship. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 759-68	7.3	24
116	Validation of Simple Quantification Methods for (18)F-FP-CIT PET Using Automatic Delineation of Volumes of Interest Based on Statistical Probabilistic Anatomical Mapping and Isocontour Margin Setting. <i>Nuclear Medicine and Molecular Imaging</i> , <b>2012</b> , 46, 254-60	1.9	11
115	Basic Nuclear Physics and Instrumentation <b>2012</b> , 3-19		2
114	Compartmental modeling and simplified quantification of [ <sup>11</sup> C]sertraline distribution in human brain. <i>Archives of Pharmacol Research</i> , <b>2012</b> , 35, 1591-7	6.1	4
113	Imaging of activated cortical areas after light and electrical stimulation of the rabbit retina: F-18 FDG PET-guided brain mapping. <i>Biomedical Engineering Letters</i> , <b>2012</b> , 2, 111-117	3.6	4
112	A novel compensation method for the anode gain non-uniformity of multi-anode photomultiplier tubes. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 191-207	3.8	12
111	Comparison of segmentation-based attenuation correction methods for PET/MRI: evaluation of bone and liver standardized uptake value with oncologic PET/CT data. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 1878-82	8.9	171
110	Initial results of simultaneous PET/MRI experiments with an MRI-compatible silicon photomultiplier PET scanner. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 608-14	8.9	169
109	SiPM-PET with a short optical fiber bundle for simultaneous PET-MR imaging. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 3869-83	3.8	39
108	Gap compensation during PET image reconstruction by constrained, total variation minimization. <i>Medical Physics</i> , <b>2012</b> , 39, 589-602	4.4	24
107	Whole-body distribution and radiation dosimetry of (68)Ga-NOTA-RGD, a positron emission tomography agent for angiogenesis imaging. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , <b>2012</b> , 27, 65-71	3.9	46
106	Regional cerebral blood flow abnormalities associated with apathy and depression in Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , <b>2012</b> , 26, 217-24	2.5	42



105	Monte Carlo simulations on performance of double-scattering Compton camera. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, C01009-C01009	1	2
104	A positron emission tomography microdosing study with sertraline in healthy volunteers. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , <b>2012</b> , 50, 224-32	2	5
103	SPATIAL AND ENERGY RESOLUTIONS OF A HEXAGONAL ANIMAL PET SCANNER BASED ON LGSO CRYSTAL AND FLAT-PANEL PMT. <i>Nuclear Engineering and Technology</i> , <b>2012</b> , 44, 53-60	2.6	1
102	Variance-reduction normalization technique for a compton camera system. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, C01040-C01040	1	1
101	Feasibility study on Compton imaging for visualization of flow patterns using radiotracers. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, C01023-C01023	1	
100	Experimental performance of double-scattering Compton camera with anthropomorphic phantom. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, C01024-C01024	1	9
99	Calculating occupancy when one does not have baseline: a comparison of different options. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 1760-7	7.3	7
98	The use of healthy volunteers instead of patients to inform drug dosing studies: a [ <sup>11</sup> C]raclopride PET study. <i>Psychopharmacology</i> , <b>2011</b> , 217, 515-23	4.7	11
97	Development of FPGA-based coincidence units with veto function. <i>Biomedical Engineering Letters</i> , <b>2011</b> , 1, 27-31	3.6	22
96	Positron emission tomography (PET) detectors with depth-of- interaction (DOI) capability. <i>Biomedical Engineering Letters</i> , <b>2011</b> , 1, 70-81	3.6	98
95	Evaluation of a fast photomultiplier tube for time-of-flight PET. <i>Biomedical Engineering Letters</i> , <b>2011</b> , 1, 174-179	3.6	14
94	A Feasibility Study on the Use of Optical Fibers for the Transfer of Scintillation Light to Silicon Photomultipliers. <i>IEEE Transactions on Nuclear Science</i> , <b>2011</b> , 58, 579-589	1.7	6
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