

Paul Eugene Kinahan

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.

271
papers

13,367
citations

54
h-index

112
g-index

307
ext. papers

16,057
ext. citations

4.9
avg, IF

6.78
L-index

#	Paper	IF	Citations
271	Regularizing the Deepsurv Network Using Projection Loss for Medical Risk Assessment. <i>IEEE Access</i> , 2022 , 10, 8005-8020	3.5	0
270	Prognostic Value of Early Fluorodeoxyglucose-Positron Emission Tomography Response Imaging and Peripheral Immunologic Biomarkers: Substudy of a Phase II Trial of Risk-Adaptive Chemoradiation for Unresectable Non-Small Cell Lung Cancer.. <i>Advances in Radiation Oncology</i> , 2022 , 7, 100857	3.3	
269	Bone and Soft Tissue Tumors: Horizons in Radiomics and Artificial Intelligence.. <i>Radiologic Clinics of North America</i> , 2022 , 60, 339-358	2.3	
268	Harmonization of PET image reconstruction parameters in simultaneous PET/MRI. <i>EJNMMI Physics</i> , 2021 , 8, 75	4.4	1
267	Standards, Phantoms, and Site Qualification 2021 , 1-26		0
266	Reliability of Quantitative 18F-FDG PET/CT Imaging Biomarkers for Classifying Early Response to Chemoradiotherapy in Patients With Locally Advanced Non-Small Cell Lung Cancer. <i>Clinical Nuclear Medicine</i> , 2021 , 46, 861-871	1.7	1
265	A Path to Qualification of PET/MR Scanners for Multicenter Brain Imaging Studies: Evaluation of MR-based Attenuation Correction Methods Using a Patient Phantom. <i>Journal of Nuclear Medicine</i> , 2021 ,	8.9	2
264	PET/CT acceptance testing and quality assurance: Executive summary of AAPM Task Group 126 Report. <i>Medical Physics</i> , 2021 , 48, e31-e35	4.4	2
263	F-fluorodeoxyglucose (FDG) PET or F-fluorothymidine (FLT) PET to assess early response to aromatase inhibitors (AI) in women with ER+ operable breast cancer in a window-of-opportunity study. <i>Breast Cancer Research</i> , 2021 , 23, 88	8.3	1
262	Evaluation of attenuation correction in PET/MRI with synthetic lesion insertion. <i>Journal of Medical Imaging</i> , 2021 , 8, 056001	2.6	1
261	The novel coronavirus disease (COVID-19) complicated by pulmonary embolism and acute respiratory distress syndrome. <i>Journal of Medical Virology</i> , 2020 , 92, 2205-2208	19.7	2
260	Impact of Using Uniform Attenuation Coefficients for Heterogeneously Dense Breasts in a Dedicated Breast PET/X-ray Scanner. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020 , 4, 585-593	4.2	2
259	Bone material analogues for PET/MRI phantoms. <i>Medical Physics</i> , 2020 , 47, 2161-2170	4.4	5
258	Virtual Clinical Trials: Why and What (Special Section Guest Editorial). <i>Journal of Medical Imaging</i> , 2020 , 7, 042801	2.6	3
257	Virtual clinical trials in medical imaging: a review. <i>Journal of Medical Imaging</i> , 2020 , 7, 042805	2.6	27
256	Multisite Technical and Clinical Performance Evaluation of Quantitative Imaging Biomarkers from 3D FDG PET Segmentations of Head and Neck Cancer Images. <i>Tomography</i> , 2020 , 6, 65-76	3.1	2
255	Prognostic role of mid-treatment PET/CT and plasma cytokines in patients undergoing chemoradiation for locally advanced non-small cell lung cancer (LA-NSCLC).. <i>Journal of Clinical Oncology</i> , 2020 , 38, 9040-9040	2.2	

254	Sensitivity analysis of FDG PET tumor voxel cluster radiomics and dosimetry for predicting mid-chemoradiation regional response of locally advanced lung cancer. <i>Physics in Medicine and Biology</i> , 2020 , 65, 205007	3.8	4
253	Technical Note: A digital reference object representing Hoffman® 3D brain phantom for PET scanner simulations. <i>Medical Physics</i> , 2020 , 47, 1174-1180	4.4	1
252	The QIBA Profile for FDG PET/CT as an Imaging Biomarker Measuring Response to Cancer Therapy. <i>Radiology</i> , 2020 , 294, 647-657	20.5	23
251	Non-Positive Corrections and Variance Models for Iterative Post-Log Reconstruction of Extremely Low-Dose CT Data. <i>Journal of the Korean Physical Society</i> , 2020 , 77, 177-185	0.6	
250	PET/CT-guided biopsy with respiratory motion correction. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019 , 14, 2187-2198	3.9	1
249	Task Group 174 Report: Utilization of [F]Fluorodeoxyglucose Positron Emission Tomography ([F]FDG-PET) in Radiation Therapy. <i>Medical Physics</i> , 2019 , 46, e706-e725	4.4	9
248	Voxel Forecast for Precision Oncology: Predicting Spatially Variant and Multiscale Cancer Therapy Response on Longitudinal Quantitative Molecular Imaging. <i>Clinical Cancer Research</i> , 2019 , 25, 5027-5037 ^{12.9}	12.9	7
247	Comparison of prediction models with radiological semantic features and radiomics in lung cancer diagnosis of the pulmonary nodules: a case-control study. <i>European Radiology</i> , 2019 , 29, 6100-6108	8	26
246	Performance evaluation of the 5-Ring GE Discovery MI PET/CT system using the national electrical manufacturers association NU 2-2012 Standard. <i>Medical Physics</i> , 2019 , 46, 3025-3033	4.4	45
245	Improved model prediction of glioma growth utilizing tissue-specific boundary effects. <i>Mathematical Biosciences</i> , 2019 , 312, 59-66	3.9	8
244	Comparison of regional lung perfusion response on longitudinal MAA SPECT/CT in lung cancer patients treated with and without functional tissue-avoidance radiation therapy. <i>British Journal of Radiology</i> , 2019 , 92, 20190174	3.4	6
243	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge, Part II. <i>Tomography</i> , 2019 , 5, 99-109	3.1	5
242	Special Section Guest Editorial: Artificial Intelligence in Medical Imaging. <i>Journal of Medical Imaging</i> , 2019 , 6, 011001	2.6	1
241	Bias in PET Images of Solid Phantoms Due to CT-Based Attenuation Correction. <i>Tomography</i> , 2019 , 5, 154-160	3.1	3
240	A core laboratory approach to large-scale radiomics and machine-learning prediction of DLBCL outcomes after first-line treatment using results from the phase III GOYA study.. <i>Journal of Clinical Oncology</i> , 2019 , 37, e19042-e19042	2.2	
239	A Prognostic Model Integrating PET-Derived Quantitative Parameters and Image Texture Analyses Using Radiomics in a Large Prospective Phase III Trial, GOYA. <i>Blood</i> , 2019 , 134, 883-883	2.2	0
238	Tumor-derived Autoantibodies Identify Malignant Pulmonary Nodules. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1257-1266	10.2	13
237	Test-Retest Reproducibility of F-FDG PET/CT Uptake in Cancer Patients Within a Qualified and Calibrated Local Network. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 608-614	8.9	14

236	Tumor radiomic heterogeneity: Multiparametric functional imaging to characterize variability and predict response following cervical cancer radiation therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 1388-1396	5.6	55
235	Prospective Study of Serial F-FDG PET and F-Fluoride PET to Predict Time to Skeletal-Related Events, Time to Progression, and Survival in Patients with Bone-Dominant Metastatic Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1823-1830	8.9	24
234	Multisite concordance of apparent diffusion coefficient measurements across the NCI Quantitative Imaging Network. <i>Journal of Medical Imaging</i> , 2018 , 5, 011003	2.6	16
233	Measuring temporal stability of positron emission tomography standardized uptake value bias using long-lived sources in a multicenter network. <i>Journal of Medical Imaging</i> , 2018 , 5, 011016	2.6	5
232	Deep-learning derived features for lung nodule classification with limited datasets 2018 ,		1
231	The PET/X dedicated breast-PET scanner for optimizing cancer therapy 2018 ,		1
230	¹⁸ F-Fluoroestradiol (FES) and ¹⁸ F-Fluorodeoxyglucose (FDG) PET imaging in lobular breast cancer.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 1063-1063	2.2	2
229	Calibration Software for Quantitative PET/CT Imaging Using Pocket Phantoms. <i>Tomography</i> , 2018 , 4, 148-158	3.1	1
228	Multicenter survey of PET/CT protocol parameters that affect standardized uptake values. <i>Journal of Medical Imaging</i> , 2018 , 5, 011012	2.6	1
227	Simultaneous Estimation of Bias and Resolution in PET Images With a Long-Lived "Pocket" Phantom System. <i>Tomography</i> , 2018 , 4, 33-41	3.1	1
226	Simulating magnetic resonance images based on a model of tumor growth incorporating microenvironment 2018 ,		1
225	Impact of tumour motion compensation and delineation methods on FDG PET-based dose painting plan quality for NSCLC radiation therapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018 , 62, 81-90	1.7	8
224	The Use of Quantitative Imaging in Radiation Oncology: A Quantitative Imaging Network (QIN) Perspective. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 1219-1235	4	17
223	Multisite Concordance of DSC-MRI Analysis for Brain Tumors: Results of a National Cancer Institute Quantitative Imaging Network Collaborative Project. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1008-1016	4.4	25
222	Characterization of PET/CT images using texture analysis: the past, the present, any future?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 151-165	8.8	297
221	Direct Reconstruction of CT-based Attenuation Correction Images for PET with Cluster-Based Penalties. <i>IEEE Transactions on Nuclear Science</i> , 2017 , 64, 959-968	1.7	0
220	Improved attenuation correction for respiratory gated PET/CT with extended-duration cine CT: a simulation study 2017 ,		1
219	Framework for radiation pneumonitis risk stratification based on anatomic and perfused lung dosimetry. <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 410-418	4.3	21

218	Functional lung avoidance and response-adaptive escalation (FLARE) RT: Multimodality plan dosimetry of a precision radiation oncology strategy. <i>Medical Physics</i> , 2017 , 44, 3418-3429	4.4	36
217	Performance Observations of Scanner Qualification of NCI-Designated Cancer Centers: Results From the Centers of Quantitative Imaging Excellence (CQIE) Program. <i>Academic Radiology</i> , 2017 , 24, 232-245	4.3	7
216	A virtual clinical trial comparing static versus dynamic PET imaging in measuring response to breast cancer therapy. <i>Physics in Medicine and Biology</i> , 2017 , 62, 3639-3655	3.8	10
215	Special Section Guest Editorial: Positron Emission Tomography: History, Current Status, and Future Prospects. <i>Journal of Medical Imaging</i> , 2017 , 4, 011001	2.6	2
214	Multi-site quality and variability analysis of 3D FDG PET segmentations based on phantom and clinical image data. <i>Medical Physics</i> , 2017 , 44, 479-496	4.4	17
213	Qualification of National Cancer Institute-Designated Cancer Centers for Quantitative PET/CT Imaging in Clinical Trials. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1065-1071	8.9	14
212	Comparison Between Pre-Log and Post-Log Statistical Models in Ultra-Low-Dose CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 707-720	11.7	57
211	Simulation study of quantitative precision of the PET/X dedicated breast PET scanner. <i>Journal of Medical Imaging</i> , 2017 , 4, 045502	2.6	1
210	The use of 18F-fluoroestradiol (FES) and 18F-fluorodeoxyglucose (FDG) PET in the evaluation of breast cancer heterogeneity.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 11572-11572	2.2	
209	Evaluation of lesion detectability in positron emission tomography when using a convergent penalized likelihood image reconstruction method. <i>Journal of Medical Imaging</i> , 2017 , 4, 011002	2.6	14
208	Evaluation of event position reconstruction in monolithic crystals that are optically coupled. <i>Physics in Medicine and Biology</i> , 2016 , 61, 8298-8320	3.8	13
207	Fast analytical approach of application specific dose efficient spectrum selection for diagnostic CT imaging and PET attenuation correction. <i>Physics in Medicine and Biology</i> , 2016 , 61, 7787-7811	3.8	2
206	Measuring total liver function on sulfur colloid SPECT/CT for improved risk stratification and outcome prediction of hepatocellular carcinoma patients. <i>EJNMMI Research</i> , 2016 , 6, 57	3.6	19
205	Designing a compact high performance brain PET scanner-simulation study. <i>Physics in Medicine and Biology</i> , 2016 , 61, 3681-97	3.8	38
204	Quantitative Imaging in Cancer Clinical Trials. <i>Clinical Cancer Research</i> , 2016 , 22, 284-90	12.9	85
203	Mixed Confidence Estimation for Iterative CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2005-14	11.7	
202	Radiomics: Images Are More than Pictures, They Are Data. <i>Radiology</i> , 2016 , 278, 563-77	20.5	3149
201	Multicenter Clinical Trials Using 18F-FDG PET to Measure Early Response to Oncologic Therapy: Effects of Injection-to-Acquisition Time Variability on Required Sample Size. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 226-30	8.9	18

200	Serial FDG-PET to predict response, time to skeletal related events, and survival in patients with bone-dominant metastatic breast cancer.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 11569-11569	2.2	1
199	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge. <i>Tomography</i> , 2016 , 2, 56-66	3.1	51
198	Evaluation of Cross-Calibrated Ge/Ga Phantoms for Assessing PET/CT Measurement Bias in Oncology Imaging for Single- and Multicenter Trials. <i>Tomography</i> , 2016 , 2, 353-360	3.1	13
197	Morphology supporting function: attenuation correction for SPECT/CT, PET/CT, and PET/MR imaging. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 60, 25-39	1.4	12
196	An algorithm for automated ROI definition in water or epoxy-filled NEMA NU-2 image quality phantoms. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 440-456	2.3	1
195	A phantom design for assessment of detectability in PET imaging. <i>Medical Physics</i> , 2016 , 43, 5051	4.4	7
194	Statistical Issues in Testing Conformance with the Quantitative Imaging Biomarker Alliance (QIBA) Profile Claims. <i>Academic Radiology</i> , 2016 , 23, 496-506	4.3	22
193	Brown Adipose Reporting Criteria in Imaging Studies (BARCIST 1.0): Recommendations for Standardized FDG-PET/CT Experiments in Humans. <i>Cell Metabolism</i> , 2016 , 24, 210-22	24.6	177
192	Differential hepatic avoidance radiation therapy: Proof of concept in hepatocellular carcinoma patients. <i>Radiotherapy and Oncology</i> , 2015 , 115, 203-10	5.3	20
191	Comparison of prone versus supine 18F-FDG-PET of locally advanced breast cancer: Phantom and preliminary clinical studies. <i>Medical Physics</i> , 2015 , 42, 3801-13	4.4	6
190	Improving lesion detectability in PET imaging with a penalized likelihood reconstruction algorithm 2015 ,		6
189	Imaging and dosimetric errors in 4D PET/CT-guided radiotherapy from patient-specific respiratory patterns: a dynamic motion phantom end-to-end study. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3731-46	2.8	8
188	Performance assessment of a NaI(Tl) gamma counter for PET applications with methods for improved quantitative accuracy and greater standardization. <i>EJNMMI Physics</i> , 2015 , 2,	4.4	17
187	A patient-specific computational model of hypoxia-modulated radiation resistance in glioblastoma using 18F-FMISO-PET. <i>Journal of the Royal Society Interface</i> , 2015 , 12,	4.1	50
186	A Digital Reference Object to Analyze Calculation Accuracy of PET Standardized Uptake Value. <i>Radiology</i> , 2015 , 277, 538-45	20.5	24
185	Quantitative radiomics: impact of stochastic effects on textural feature analysis implies the need for standards. <i>Journal of Medical Imaging</i> , 2015 , 2, 041002	2.6	99
184	Simulation study for designing a compact brain PET scanner 2015 ,		1
183	An improved statistical approach to the estimation of spatial bias and variability in reconstructed PET data 2015 ,		1

182	In silico analysis suggests differential response to bevacizumab and radiation combination therapy in newly diagnosed glioblastoma. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20150388	4.1	12
181	AAPM/SNMMI Joint Task Force: report on the current state of nuclear medicine physics training. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 3-13	2.3	4
180	Cherenkov luminescence measurements with digital silicon photomultipliers: a feasibility study. <i>EJNMMI Physics</i> , 2015 , 2, 32	4.4	5
179	The Value of Establishing the Quantitative Accuracy of PET/CT Imaging. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1133-4	8.9	8
178	Ultra-low dose CT attenuation correction for PET/CT: analysis of sparse view data acquisition and reconstruction algorithms. <i>Physics in Medicine and Biology</i> , 2015 , 60, 7437-60	3.8	11
177	Quantitative imaging biomarkers: a review of statistical methods for computer algorithm comparisons. <i>Statistical Methods in Medical Research</i> , 2015 , 24, 68-106	2.3	99
176	Summary of the UPICT Protocol for 18F-FDG PET/CT Imaging in Oncology Clinical Trials. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 955-61	8.9	80
175	Meta-analysis of the technical performance of an imaging procedure: guidelines and statistical methodology. <i>Statistical Methods in Medical Research</i> , 2015 , 24, 141-74	2.3	28
174	Positron Emission Tomography: Current Challenges and Opportunities for Technological Advances in Clinical and Preclinical Imaging Systems. <i>Annual Review of Biomedical Engineering</i> , 2015 , 17, 385-414	12	129
173	Impact of CT attenuation correction method on quantitative respiratory-correlated (4D) PET/CT imaging. <i>Medical Physics</i> , 2015 , 42, 110-20	4.4	14
172	Effect of F-FDG uptake time on lesion detectability in PET imaging of early stage breast cancer. <i>Tomography</i> , 2015 , 1, 53-60	3.1	11
171	Respiratory trace feature analysis for the prediction of respiratory-gated PET quantification. <i>Physics in Medicine and Biology</i> , 2014 , 59, 1027-45	3.8	12
170	Biases in Multicenter Longitudinal PET Standardized Uptake Value Measurements. <i>Translational Oncology</i> , 2014 , 7, 48-54	4.9	24
169	Errors in Quantitative Image Analysis due to Platform-Dependent Image Scaling. <i>Translational Oncology</i> , 2014 , 7, 65-71	4.9	44
168	Comparison between pre-log and post-log statistical models in low-dose CT iterative reconstruction 2014 ,		1
167	Spatial covariance characteristics in a collection of 3-D PET scanners used in clinical imaging trials 2014 ,		2
166	Letter to cancer center directors: Progress in quantitative imaging as a means to predict and/or measure tumor response in cancer therapy trials. <i>Journal of Clinical Oncology</i> , 2014 , 32, 2115-6	2.2	14
165	Assessment of patient selection criteria for quantitative imaging with respiratory-gated positron emission tomography. <i>Journal of Medical Imaging</i> , 2014 , 1, 026001	2.6	2

164	PM-04IN SILICO ANALYSIS OF AVAglio AND RTOG 0825 PHASE III CLINICAL TRIALS SUGGESTS SIGNATURES OF PATIENTS TO RECEIVE BENEFIT FROM COMBINED BEVACIZUMAB AND RADIATION THERAPIES. <i>Neuro-Oncology</i> , 2014 , 16, v169-v169	1	78
163	X-ray pulsing methods for reduced-dose computed tomography in PET/CT attenuation correction 2014 ,		4
162	An OpenPET scanner with bridged detectors to compensate for incomplete data. <i>Physics in Medicine and Biology</i> , 2014 , 59, 6175-93	3.8	5
161	Multiplexing strategies for monolithic crystal PET detector modules. <i>Physics in Medicine and Biology</i> , 2014 , 59, 5347-60	3.8	15
160	Multimodality molecular imaging of the lung. <i>Clinical and Translational Imaging</i> , 2014 , 2, 391-401	2	2
159	Variations of dynamic contrast-enhanced magnetic resonance imaging in evaluation of breast cancer therapy response: a multicenter data analysis challenge. <i>Translational Oncology</i> , 2014 , 7, 153-66	4.9	93
158	Quantitative Imaging Network: Data Sharing and Competitive Algorithm Validation Leveraging The Cancer Imaging Archive. <i>Translational Oncology</i> , 2014 , 7, 147-52	4.9	53
157	A Virtual Clinical Trial of FDG-PET Imaging of Breast Cancer: Effect of Variability on Response Assessment. <i>Translational Oncology</i> , 2014 , 7, 138-46	4.9	10
156	Dual energy CT for attenuation correction with PET/CT. <i>Medical Physics</i> , 2014 , 41, 012501	4.4	17
155	Evaluation of strategies towards harmonization of FDG PET/CT studies in multicentre trials: comparison of scanner validation phantoms and data analysis procedures. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 1507-15	8.8	71
154	Effects of Detector Thickness on Geometric Sensitivity and Event Positioning Errors in the Rectangular PET/X Scanner. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3242-3252	1.7	8
153	Overview and a Word of Thanks. <i>Medical Physics</i> , 2013 , 40, 4-5	4.4	
152	Model-based iterative reconstruction versus adaptive statistical iterative reconstruction and filtered back projection in liver 64-MDCT: focal lesion detection, lesion conspicuity, and image noise. <i>American Journal of Roentgenology</i> , 2013 , 200, 1071-6	5.4	64
151	Multicenter trials using ^{18}F -fluorodeoxyglucose (FDG) PET to predict chemotherapy response: effects of differential measurement error and bias on power calculations for unselected and enrichment designs. <i>Clinical Trials</i> , 2013 , 10, 886-95	2.2	11
150	A digital reference object for the 3D Hoffman brain phantom for characterization of PET neuroimaging quality 2013 ,		1
149	Experimental Evaluation of a Deformable Registration Algorithm for Motion Correction in PET-CT Guided Biopsy. <i>IEEE Nuclear Science Symposium Conference Record</i> , 2013 , 2013,		1
148	Direct Reconstruction of CT-based Attenuation Correction Images for PET with Cluster-Based Penalties. <i>IEEE Nuclear Science Symposium Conference Record</i> , 2013 , 2013,		1
147	Image reconstruction in rectangular PET systems using distance-driven projections 2013 ,		1

146	TU-A-141-01: Multi Modal PET/CT Imaging for Therapy Response Early Prediction and Therapy Monitoring. <i>Medical Physics</i> , 2013 , 40, 425-425	4.4	
145	TU-E-141-09: Impact of Attenuation Correction Mode On 4D PET/CT for Target Definition in Lung Cancer Patients. <i>Medical Physics</i> , 2013 , 40, 449-449	4.4	1
144	SU-D-141-06: Patient-Specific Imaging and Dosimetric Errors in PET/CT-Guided Radiotherapy of Lung Cancer. <i>Medical Physics</i> , 2013 , 40, 110-110	4.4	
143	SU-C-141-04: Robustness of 4DCT and 4DCBCT Object Volume Measurement with a Motion-Capable Lung Phantom That Mimics Realistic Patient Tumor Trajectories. <i>Medical Physics</i> , 2013 , 40, 92-92	4.4	
142	Detector Position Estimation for PET Scanners. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 677, 74-79	1.2	2
141	Accuracy of CT-based attenuation correction in PET/CT bone imaging. <i>Physics in Medicine and Biology</i> , 2012 , 57, 2477-90	3.8	30
140	Challenges and opportunities in patient-specific, motion-managed and PET/CT-guided radiation therapy of lung cancer: review and perspective. <i>Clinical and Translational Medicine</i> , 2012 , 1, 18	5.7	19
139	Quantitative assessment of dynamic PET imaging data in cancer imaging. <i>Magnetic Resonance Imaging</i> , 2012 , 30, 1203-15	3.3	58
138	Early experiences in establishing a regional quantitative imaging network for PET/CT clinical trials. <i>Magnetic Resonance Imaging</i> , 2012 , 30, 1291-300	3.3	9
137	Applying a patient-specific bio-mathematical model of glioma growth to develop virtual [18F]-FMISO-PET images. <i>Mathematical Medicine and Biology</i> , 2012 , 29, 31-48	1.3	39
136	Design considerations for using PET as a response measure in single site and multicenter clinical trials. <i>Academic Radiology</i> , 2012 , 19, 184-90	4.3	23
135	Introduction and a Word of Thanks. <i>Medical Physics</i> , 2012 , 39, 3526-3526	4.4	
134	Recommendations for measurement of tumour vascularity with positron emission tomography in early phase clinical trials. <i>European Radiology</i> , 2012 , 22, 1465-78	8	15
133	Ultra-low dose CT attenuation correction for PET/CT. <i>Physics in Medicine and Biology</i> , 2012 , 57, 309-28	3.8	68
132	MO-A-BRA-01: State of the Art in Quantitative Imaging in CT, PET and MRI. <i>Medical Physics</i> , 2012 , 39, 3862-3863	4.4	1
131	ASIM. <i>Series in Medical Physics and Biomedical Engineering</i> , 2012 , 201-220		2
130	Respiratory motion correction for quantitative PET/CT using all detected events with internal-external motion correlation. <i>Medical Physics</i> , 2011 , 38, 2715-23	4.4	56
129	Resolution Properties of a Prototype Continuous Miniature Crystal Element (cMiCE) Scanner. <i>IEEE Transactions on Nuclear Science</i> , 2011 , 58,	1.7	32

128	Properties and Mitigation of Edge Artifacts in PSF-Based PET Reconstruction. <i>IEEE Transactions on Nuclear Science</i> , 2011 , 58, 2264-2275	1.7	43
127	Effects of MR surface coils on PET quantification. <i>Medical Physics</i> , 2011 , 38, 2948-56	4.4	59
126	DOI-based reconstruction algorithms for a compact breast PET scanner. <i>Medical Physics</i> , 2011 , 38, 1660-714	4	
125	Effective count rates for PET scanners with reduced and extended axial field of view. <i>Physics in Medicine and Biology</i> , 2011 , 56, 3629-43	3.8	24
124	A robust state-space kinetics-guided framework for dynamic PET image reconstruction. <i>Physics in Medicine and Biology</i> , 2011 , 56, 2481-98	3.8	7
123	Dual-radioisotope PET data acquisition and analysis 2011 ,		5
122	Quantitative imaging test approval and biomarker qualification: interrelated but distinct activities. <i>Radiology</i> , 2011 , 259, 875-84	20.5	65
121	Quantifying and reducing the effect of calibration error on variability of PET/CT standardized uptake value measurements. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 218-24	8.9	52
120	Variability in PET quantitation within a multicenter consortium. <i>Medical Physics</i> , 2010 , 37, 3660-6	4.4	83
119	Advancements to the planogram frequency-distance rebinning algorithm. <i>Inverse Problems</i> , 2010 , 26, 45008	2.3	4
118	Noise and signal properties in PSF-based fully 3D PET image reconstruction: an experimental evaluation. <i>Physics in Medicine and Biology</i> , 2010 , 55, 1453-73	3.8	127
117	Image reconstruction for PET/CT scanners: past achievements and future challenges. <i>Imaging in Medicine</i> , 2010 , 2, 529-545	1	60
116	Resolution properties of a prototype continuous miniature crystal element (cMiCE) scanner 2010 ,		2
115	Noise and Bias Properties of Monoenergetic Images from DECT used for Attenuation Correction with PET/CT and SPECT/CT. <i>Proceedings of SPIE</i> , 2010 , 7622, 762225-762228	1.7	3
114	Instrumentation factors affecting variance and bias of quantifying tracer uptake with PET/CT. <i>Medical Physics</i> , 2010 , 37, 6035-46	4.4	56
113	Positron emission tomography-computed tomography standardized uptake values in clinical practice and assessing response to therapy. <i>Seminars in Ultrasound, CT and MRI</i> , 2010 , 31, 496-505	1.7	333
112	Properties of edge artifacts in PSF-based PET reconstruction 2010 ,		3
111	Limits of Ultra-Low Dose CT Attenuation Correction for PET/CT. <i>IEEE Nuclear Science Symposium Conference Record</i> , 2010 , 2009, 3074-3079		2

110	Attenuation-emission alignment in cardiac PET/CT based on consistency conditions. <i>Medical Physics</i> , 2010 , 37, 1191-200	4.4	28
109	Quiescent period respiratory gating for PET/CT. <i>Medical Physics</i> , 2010 , 37, 5037-43	4.4	78
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