

# Eric P Visser

## List of Publications by Year in descending order

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46  
papers

3,362  
citations

236925

25  
h-index

214800

47  
g-index

47  
all docs

47  
docs citations

47  
times ranked

4177  
citing authors

#	ARTICLE	IF	CITATIONS
1	FDG PET and PET/CT: EANM procedure guidelines for tumour PET imaging: version 1.0. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 181-200.	6.4	1,147
2	The Netherlands protocol for standardisation and quantification of FDG whole body PET studies in multi-centre trials. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2320-2333.	6.4	343
3	Spatial Resolution and Sensitivity of the Inveon Small-Animal PET Scanner. Journal of Nuclear Medicine, 2009, 50, 139-147.	5.0	175
4	Quantification, improvement, and harmonization of small lesion detection with state-of-the-art PET. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 4-16.	6.4	156
5	Image-Quality Assessment for Several Positron Emitters Using the NEMA NU 4-2008 Standards in the Siemens Inveon Small-Animal PET Scanner. Journal of Nuclear Medicine, 2010, 51, 610-617.	5.0	138
6	Chemotherapy Response Evaluation with <sup>18</sup> F-FDG PET in Patients with Non-Small Cell Lung Cancer. Journal of Nuclear Medicine, 2007, 48, 1592-1598.	5.0	109
7	Methodological considerations in quantification of oncological FDG PET studies. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 1408-1425.	6.4	108
8	Glucose Metabolism in NSCLC Is Histology-Specific and Diverges the Prognostic Potential of <sup>18</sup> F-FDG-PET for Adenocarcinoma and Squamous Cell Carcinoma. Journal of Thoracic Oncology, 2014, 9, 1485-1493.	1.1	107
9	PET in the management of locally advanced and metastatic NSCLC. Nature Reviews Clinical Oncology, 2015, 12, 395-407.	27.6	75
10	Comparison of image-derived and arterial input functions for estimating the rate of glucose metabolism in therapy-monitoring <sup>18</sup> F-FDG PET studies. Journal of Nuclear Medicine, 2006, 47, 945-9.	5.0	70
11	A Curve-Fitting Approach to Estimate the Arterial Plasma Input Function for the Assessment of Glucose Metabolic Rate and Response to Treatment. Journal of Nuclear Medicine, 2009, 50, 1933-1939.	5.0	68
12	The Impact of Optimal Respiratory Gating and Image Noise on Evaluation of Intratumor Heterogeneity on <sup>18</sup> F-FDG PET Imaging of Lung Cancer. Journal of Nuclear Medicine, 2016, 57, 1692-1698.	5.0	67
13	Multicenter Harmonization of <sup>89</sup> Zr PET/CT Performance. Journal of Nuclear Medicine, 2014, 55, 264-267.	5.0	63
14	Comparison of Tumor Volumes Derived from Glucose Metabolic Rate Maps and SUV Maps in Dynamic <sup>18</sup> F-FDG PET. Journal of Nuclear Medicine, 2008, 49, 892-898.	5.0	51
15	Amplitude-based optimal respiratory gating in positron emission tomography in patients with primary lung cancer. European Radiology, 2014, 24, 3242-3250.	4.5	51
16	Towards standardization of absolute SPECT/CT quantification: a multi-center and multi-vendor phantom study. EJNMMI Physics, 2019, 6, 29.	2.7	47
17	Dosimetric Analysis of <sup>177</sup> Lu-cG250 Radioimmunotherapy in Renal Cell Carcinoma Patients: Correlation with Myelotoxicity and Pretherapeutic Absorbed Dose Predictions Based on <sup>111</sup> In-cG250 Imaging. Journal of Nuclear Medicine, 2012, 53, 82-89.	5.0	45
18	SUV: From Silly Useless Value to Smart Uptake Value. Journal of Nuclear Medicine, 2010, 51, 173-175.	5.0	44

#	ARTICLE	IF	CITATIONS
19	Quantitative Assessment of Heterogeneity in Tumor Metabolism Using FDG-PET. International Journal of Radiation Oncology Biology Physics, 2012, 82, e725-e731.	0.8	35
20	Predictive patient-specific dosimetry and individualized dosing of pretargeted radioimmunotherapy in patients with advanced colorectal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1593-602.	6.4	33
21	Semiautomatic methods for segmentation of the proliferative tumour volume on sequential FLT PET/CT images in head and neck carcinomas and their relation to clinical outcome. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 915-924.	6.4	31
22	Comparison of Tumor Uptake Heterogeneity Characterization Between Static and Parametric <sup>18</sup> F-FDG PET Images in Non-Small Cell Lung Cancer. Journal of Nuclear Medicine, 2016, 57, 1033-1039.	5.0	31
23	Using the NEMA NU 4 PET Image Quality Phantom in Multipinhole Small-Animal SPECT. Journal of Nuclear Medicine, 2011, 52, 1646-1653.	5.0	30
24	Chemotherapy Response Monitoring of Colorectal Liver Metastases by Dynamic Gd-DTPA-Enhanced MRI Perfusion Parameters and <sup>18</sup> F-FDG PET Metabolic Rate. Journal of Nuclear Medicine, 2009, 50, 1777-1784.	5.0	29
25	Metal Artifact Reduction of CT Scans to Improve PET/CT. Journal of Nuclear Medicine, 2017, 58, 1867-1872.	5.0	29
26	PET-Based Human Dosimetry of <sup>68</sup> Ga-NODAGA-Exendin-4, a Tracer for $\beta^2$ -Cell Imaging. Journal of Nuclear Medicine, 2020, 61, 112-116.	5.0	26
27	Metabolic Subtyping of Pheochromocytoma and Paraganglioma by <sup>18</sup> F-FDG Pharmacokinetics Using Dynamic PET/CT Scanning. Journal of Nuclear Medicine, 2019, 60, 745-751.	5.0	21
28	Improving the Spatial Alignment in PET/CT Using Amplitude-Based Respiration-Gated PET and Respiration-Triggered CT. Journal of Nuclear Medicine, 2015, 56, 1817-1822.	5.0	20
29	The motivations and methodology for high-throughput PET imaging of small animals in cancer research. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1497-1509.	6.4	19
30	The impact of respiratory gated positron emission tomography on clinical staging and management of patients with lung cancer. Lung Cancer, 2015, 90, 217-223.	2.0	19
31	A 3D-printed anatomical pancreas and kidney phantom for optimizing SPECT/CT reconstruction settings in beta cell imaging using <sup>111</sup> In-exendin. EJNMMI Physics, 2016, 3, 29.	2.7	19
32	Performance of automatic image segmentation algorithms for calculating total lesion glycolysis for early response monitoring in non-small cell lung cancer patients during concomitant chemoradiotherapy. Radiotherapy and Oncology, 2016, 119, 473-479.	0.6	17
33	Evaluation of different normalization procedures for the calculation of the standardized uptake value in therapy response monitoring studies. Nuclear Medicine Communications, 2009, 30, 550-557.	1.1	16
34	Characterization and optimization of image quality as a function of reconstruction algorithms and parameter settings in a Siemens Inveon small-animal PET scanner using the NEMA NU 4-2008 standards. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 357-367.	1.6	16
35	Tumor Delineation and Quantitative Assessment of Glucose Metabolic Rate within Histologic Subtypes of Non-Small Cell Lung Cancer by Using Dynamic <sup>18</sup> F Fluorodeoxyglucose PET. Radiology, 2017, 283, 547-559.	7.3	16
36	Scanning multiple mice in a small-animal PET scanner: Influence on image quality. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 621, 605-610.	1.6	14

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37	Comparison of a Free-Breathing CT and an Expiratory Breath-Hold CT with Regard to Spatial Alignment of Amplitude-Based Respiratory-Gated PET and CT Images. <i>Journal of Nuclear Medicine Technology</i> , 2014, 42, 269-273.	0.8	13
38	Tumor and red bone marrow dosimetry: comparison of methods for prospective treatment planning in pretargeted radioimmunotherapy. <i>EJNMMI Physics</i> , 2015, 2, 5.	2.7	10
39	Performance of 3DOSEM and MAP algorithms for reconstructing low count SPECT acquisitions. <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 311-322.	1.5	10
40	Image quality phantom and parameters for high spatial resolution small-animal SPECT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 654, 539-545.	1.6	9
41	Whole organ and islet of Langerhans dosimetry for calculation of absorbed doses resulting from imaging with radiolabeled exendin. <i>Scientific Reports</i> , 2017, 7, 39800.	3.3	9
42	Evaluating the use of optimally respiratory gated 18F-FDG-PET in target volume delineation and its influence on radiation doses to the organs at risk in non-small-cell lung cancer patients. <i>Nuclear Medicine Communications</i> , 2016, 37, 66-73.	1.1	8
43	Comparison of liver SUV using unenhanced CT versus contrast-enhanced CT for attenuation correction in 18F-FDG PET/CT. <i>Nuclear Medicine Communications</i> , 2014, 35, 472-477.	1.1	7
44	Contribution of normalization to image noise for the Siemens Inveon small-animal PET scanner. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 605, 433-435.	1.6	4
45	<sup>18</sup> F-2-Deoxy-2-Fluoro-D-Glucose Positron Emission Tomography, Computed Tomography, and Magnetic Resonance Imaging for the Detection of Experimental Colorectal Liver Metastases. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00035.	1.4	2
46	Improving the Spatial Alignment in PET/CT Using Amplitude-Based Respiration-Gated PET and Patient-Specific Breathing-Instructed CT. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 154-159.	0.8	2