

Kathy P Willowson

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,524
citations

535685

17
h-index

445137

33
g-index

35
all docs

35
docs citations

35
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of ^{99m} Tc whole-body SPECT/CT image quality: A phantom study. Journal of Applied Clinical Medical Physics, 2022, , e13528.	0.8	7
2	An Unusual Cause of ¹³ I-Camera Contamination. Journal of Nuclear Medicine Technology, 2022, 50, 381-383.	0.4	1
3	Theranostic SPECT reconstruction for improved resolution: application to radionuclide therapy dosimetry. EJNMMI Physics, 2021, 8, 16.	1.3	10
4	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	1.6	36
5	Individualised dosimetry and safety of SIRT for intrahepatic cholangiocarcinoma. EJNMMI Physics, 2021, 8, 65.	1.3	7
6	Overlooked potential of positrons in cancer therapy. Scientific Reports, 2021, 11, 2475.	1.6	4
7	Quantifying the effects of absorbed dose from radioembolisation on healthy liver function with [^{99m} Tc]TcMebrofenin. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 838-848.	3.3	8
8	An Australian local diagnostic reference level for paediatric whole-body ¹⁸ F-FDG PET/CT. British Journal of Radiology, 2019, 92, 20180879.	1.0	6
9	Performance evaluation of quantitative SPECT/CT using NEMA NU 2 PET methodology. Physics in Medicine and Biology, 2019, 64, 145017.	1.6	20
10	Production of radionuclides for clinical nuclear medicine. European Journal of Physics, 2019, 40, 043001.	0.3	8
11	Diagnostic reference levels for ¹⁸ F- ¹⁸ F-FDG whole body PET/CT procedures: Results from a survey of 12 centres in Australia and New Zealand. Journal of Medical Imaging and Radiation Oncology, 2019, 63, 291-299.	0.9	13
12	Feasibility and accuracy of single time point imaging for renal dosimetry following ¹⁷⁷ Lu-DOTATATE (¹⁷⁷ Lu-DOTATE™) therapy. EJNMMI Physics, 2018, 5, 33.	1.3	47
13	Comparison of radiobiological parameters for ⁹⁰ Y radionuclide therapy (RNT) and external beam radiotherapy (EBRT) in vitro. EJNMMI Physics, 2018, 5, 18.	1.3	23
14	Determining and updating PET/CT and SPECT/CT diagnostic reference levels: A systematic review. Radiation Protection Dosimetry, 2018, 182, 532-545.	0.4	20
15	A Comparison of 2D and 3D Kidney Absorbed Dose Measures in Patients Receiving Lu-DOTATATE. Asia Oceania Journal of Nuclear Medicine and Biology, 2018, 6, 113-119.	0.1	10
16	Clinical and imaging-based prognostic factors in radioembolisation of liver metastases from colorectal cancer: a retrospective exploratory analysis. EJNMMI Research, 2017, 7, 46.	1.1	45
17	Lutetium ¹⁷⁷ PSMA radionuclide therapy for men with prostate cancer: a review of the current literature and discussion of practical aspects of therapy. Journal of Medical Radiation Sciences, 2017, 64, 52-60.	0.8	222
18	Assessment of the relative contribution of volume and concentration changes in Yttrium-90 labelled resin microspheres on ionization chamber measurements. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 943-948.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Performance Evaluation of Quantitative SPECT/CT: Applying NEMA NU2 PET Measurements to SPECT. , 2017, , .		0
20	Changing Therapeutic Paradigms: Predicting mCRC Lesion Response to Selective Internal Radionuclide Therapy (SIRT) based on Critical Absorbed Dose Thresholds: A Case Study. Asia Oceania Journal of Nuclear Medicine and Biology, 2017, 5, 66-69.	0.1	2
21	System specific modeling for absolute quantification of 99mTc and 177Lu with SPECT/CT. , 2016, , .		0
22	In Vivo Measurement and Characterization of a Novel Formulation of [Lu]-DOTA-Octreotate. Asia Oceania Journal of Nuclear Medicine and Biology, 2016, 4, 30-37.	0.1	2
23	In vivo quantification of 177Lu with planar whole-body and SPECT/CT gamma camera imaging. EJNMMI Physics, 2015, 2, 20.	1.3	20
24	A multicentre comparison of quantitative 90Y PET/CT for dosimetric purposes after radioembolization with resin microspheres. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1202-1222.	3.3	131
25	⁹⁰ Y PET imaging: Exploring limitations and accuracy under conditions of low counts and high random fraction. Medical Physics, 2015, 42, 4295-4309.	1.6	54
26	Quantitative and Qualitative Assessment of Yttrium-90 PET/CT Imaging. PLoS ONE, 2014, 9, e110401.	1.1	44
27	Quantitative SPECT/CT: SPECT joins PET as a quantitative imaging modality. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 17-25.	3.3	157
28	An Evidence-Based Review of Quantitative SPECT Imaging and Potential Clinical Applications. Journal of Nuclear Medicine, 2013, 54, 83-89.	2.8	295
29	Quantitative ⁹⁰ Y image reconstruction in PET. Medical Physics, 2012, 39, 7153-7159.	1.6	52
30	CT-based quantitative SPECT for the radionuclide 201Tl: experimental validation and a standardized uptake value for brain tumour patients. Cancer Imaging, 2012, 12, 31-40.	1.2	16
31	A retrospective evaluation of radiation dose associated with low dose FDG protocols in whole-body PET/CT. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 49-53.	1.4	44
32	Quantifying lung shunting during planning for radio-embolization. Physics in Medicine and Biology, 2011, 56, N145-N152.	1.6	11
33	<i>In vivo</i> validation of quantitative SPECT in the heart. Clinical Physiology and Functional Imaging, 2010, 30, 214-219.	0.5	16
34	Investigation of the relationship between linear attenuation coefficients and CT Hounsfield units using radionuclides for SPECT. Applied Radiation and Isotopes, 2008, 66, 1206-1212.	0.7	70
35	Quantitative SPECT reconstruction using CT-derived corrections. Physics in Medicine and Biology, 2008, 53, 3099-3112.	1.6	120