Kathy P Willowson

List of Publications by Year
in descending order

35 papers	1,524 citations	471477 17 h-index	395678 33 g-index
35 all docs	35 docs citations	35 times ranked	1841 citing authors

#	Article	IF	Citations
1	Optimization of 99m Tc wholeâ€body SPECT/CT image quality: A phantom study. Journal of Applied Clinical Medical Physics, 2022, , e13528.	1.9	7
2	An Unusual Cause of Î³-Camera Contamination. Journal of Nuclear Medicine Technology, 2022, 50, 381-383.	0.8	1
3	Theranostic SPECT reconstruction for improved resolution: application to radionuclide therapy dosimetry. EJNMMI Physics, 2021, 8, 16.	2.7	10
4	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	3.0	36
5	Individualised dosimetry and safety of SIRT for intrahepatic cholangiocarcinoma. EJNMMI Physics, 2021, 8, 65.	2.7	7
6	Overlooked potential of positrons in cancer therapy. Scientific Reports, 2021, 11, 2475.	3.3	4
7	Quantifying the effects of absorbed dose from radioembolisation on healthy liver function with [99mTc]TcMebrofenin. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 838-848.	6.4	8
8	An Australian local diagnostic reference level for paediatric whole-body ¹⁸F-FDG PET/CT. British Journal of Radiology, 2019, 92, 20180879.	2.2	6
9	Performance evaluation of quantitative SPECT/CT using NEMA NU 2 PET methodology. Physics in Medicine and Biology, 2019, 64, 145017.	3.0	20
10	Production of radionuclides for clinical nuclear medicine. European Journal of Physics, 2019, 40, 043001.	0.6	8
11	Diagnostic reference levels for ¹⁸Fâ€<scp>FDG</scp> whole body <scp>PET</scp>/<scp>CT</scp> procedures: Results from a survey of 12 centres in Australia and New Zealand. Journal of Medical Imaging and Radiation Oncology, 2019, 63, 291-299.	1.8	13
12	Feasibility and accuracy of single time point imaging for renal dosimetry following 177Lu-DOTATATE (â€˜Lutateâ€™) therapy. EJNMMI Physics, 2018, 5, 33.	2.7	47
13	Comparison of radiobiological parameters for 90Y radionuclide therapy (RNT) and external beam radiotherapy (EBRT) in vitro. EJNMMI Physics, 2018, 5, 18.	2.7	23
14	Determining and updating PET/CT and SPECT/CT diagnostic reference levels: A systematic review. Radiation Protection Dosimetry, 2018, 182, 532-545.	0.8	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.	2.5	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.	1.5	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.	1.3	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.	2.7	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.	6.4	131
25	⁹⁰Y â€PET imaging: Exploring limitations and accuracy under conditions of low counts and high random fraction. Medical Physics, 2015, 42, 4295-4309.	3.0	54
26	Quantitative and Qualitative Assessment of Yttrium-90 PET/CT Imaging. PLoS ONE, 2014, 9, e110401.	2.5	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.	6.4	157
28	An Evidence-Based Review of Quantitative SPECT Imaging and Potential Clinical Applications. Journal of Nuclear Medicine, 2013, 54, 83-89.	5.0	295
29	Quantitative ⁹⁰Y image reconstruction in PET. Medical Physics, 2012, 39, 7153-7159.	3.0	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.	2.8	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.	1.3	44
32	Quantifying lung shunting during planning for radio-embolization. Physics in Medicine and Biology, 2011, 56, N145-N152.	3.0	11
33	In vivo validation of quantitative SPECT in the heart. Clinical Physiology and Functional Imaging, 2010, 30, 214-219.	1.2	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.	1.5	70
35	Quantitative SPECT reconstruction using CT-derived corrections. Physics in Medicine and Biology, 2008, 53, 3099-3112.	3.0	120