

Anna Celler

List of Publications by Year in descending order

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54
papers

1,142
citations

430874

18
h-index

414414

32
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56
all docs

56
docs citations

56
times ranked

997
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of physics, chemistry and biology for dosimetry calculations using theranostic pairs. <i>Theranostics</i> , 2022, 12, 232-259.	10.0	23
2	Feasibility of single-time-point dosimetry for radiopharmaceutical therapies. <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.120.254656.	5.0	28
3	Influence of dosimetry method on bone lesion absorbed dose estimates in PSMA therapy: application to mCRPC patients receiving Lu-177-PSMA-I&T. <i>EJNMMI Physics</i> , 2021, 8, 26.	2.7	13
4	Comprehensive SPECT/CT system characterization and calibration for ¹⁷⁷ Lu quantitative SPECT (QSPECT) with dead-time correction. <i>EJNMMI Physics</i> , 2020, 7, 10.	2.7	18
5	Personalized kidney dosimetry in ¹⁷⁷ Lu-octreotate treatment of neuroendocrine tumours: a comparison of kidney dosimetry estimates based on a whole organ and small volume segmentations. <i>Physics in Medicine and Biology</i> , 2019, 64, 175004.	3.0	8
6	Accuracy of kidney dosimetry performed using simplified time activity curve modelling methods: a ¹⁷⁷ Lu-DOTATATE patient study. <i>Physics in Medicine and Biology</i> , 2019, 64, 175006.	3.0	26
7	Segmentation-free direct tumor volume and metabolic activity estimation from PET scans. <i>Computerized Medical Imaging and Graphics</i> , 2018, 63, 52-66.	5.8	13
8	Determination of gamma camera calibration factors for quantitation of therapeutic radioisotopes. <i>EJNMMI Physics</i> , 2018, 5, 8.	2.7	37
9	Biodistribution, pharmacokinetics, and organ-level dosimetry for ¹⁸⁸ Re-AHDD-Lipiodol radioembolization based on quantitative post-treatment SPECT/CT scans. <i>EJNMMI Physics</i> , 2018, 5, 30.	2.7	9
10	Accuracy and reproducibility of simplified QSPECT dosimetry for personalized ¹⁷⁷ Lu-octreotate PRRT. <i>EJNMMI Physics</i> , 2018, 5, 25.	2.7	45
11	Deadtime effects in quantification of ¹⁷⁷ Lu activity for radionuclide therapy. <i>EJNMMI Physics</i> , 2018, 5, 2.	2.7	14
12	¹⁸⁸ Re image performance assessment using small animal multi-pinhole SPECT/PET/CT system. <i>Physica Medica</i> , 2017, 33, 26-37.	0.7	12
13	Accuracy of Rhenium-188 SPECT/CT activity quantification for applications in radionuclide therapy using clinical reconstruction methods. <i>Physics in Medicine and Biology</i> , 2017, 62, 6379-6396.	3.0	7
14	Accuracy of ¹⁷⁷ Lu activity quantification in SPECT imaging: a phantom study. <i>EJNMMI Physics</i> , 2017, 4, 2.	2.7	46
15	Patient-specific dosimetry of ^{99m} Tc-HYNIC-Tyr3-Octreotide in children. <i>EJNMMI Physics</i> , 2017, 4, 24.	2.7	3
16	Accuracy, reproducibility, and uncertainty analysis of thyroid probe-based activity measurements for determination of dose calibrator settings. <i>Medical Physics</i> , 2016, 43, 6309-6321.	3.0	4
17	Characteristics of Bremsstrahlung emissions of ¹⁷⁷ Lu, ¹⁸⁸ Re, and ⁹⁰ Y for SPECT/CT quantification in radionuclide therapy. <i>Physica Medica</i> , 2016, 32, 691-700.	0.7	18
18	MIRD Pamphlet No. 26: Joint EANM/MIRD Guidelines for Quantitative ¹⁷⁷ Lu SPECT Applied for Dosimetry of Radiopharmaceutical Therapy. <i>Journal of Nuclear Medicine</i> , 2016, 57, 151-162.	5.0	235

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19	Production of Y-86 and other radiometals for research purposes using a solution target system. Nuclear Medicine and Biology, 2015, 42, 842-849.	0.6	42
20	EM reconstruction of dual isotope PET using staggered injections and prompt gamma positron emitters. Medical Physics, 2014, 41, 022501.	3.0	9
21	Evaluation of dead-time corrections for post-radionuclide-therapy ¹⁷⁷ Lu quantitative imaging with low-energy high-resolution collimators. Nuclear Medicine Communications, 2014, 35, 73-87.	1.1	11
22	⁴⁴ gSc production using a water target on a 13MeV cyclotron. Nuclear Medicine and Biology, 2014, 41, 401-406.	0.6	52
23	Comparison of internal dose estimates obtained using organâ€level, voxel S value, and Monte Carlo techniques. Medical Physics, 2014, 41, 092501.	3.0	42
24	Implementation of Multi-Curie Production of ^{99m} Tc by Conventional Medical Cyclotrons. Journal of Nuclear Medicine, 2014, 55, 1017-1022.	5.0	82
25	Initial Study of Radiological and Clinical Efficacy Radioembolization Using ¹⁸⁸ Re-Human Serum Albumin (HSA) Microspheres in Patients with Progressive, Unresectable Primary or Secondary Liver Cancers. Medical Science Monitor, 2014, 20, 1353-1362.	1.1	22
26	Personalized Image-Based Radiation Dosimetry for Routine Clinical Use in Peptide Receptor Radionuclide Therapy: Pretherapy Experience. Recent Results in Cancer Research, 2013, 194, 497-517.	1.8	3
27	JADA: A graphical user interface for comprehensive internal dose assessment in nuclear medicine. Medical Physics, 2013, 40, 072501.	3.0	18
28	EM reconstruction of Dual Isotope PET with staggered injections and prompt gamma positron emitters. , 2012, , .		0
29	Study on the Spatial Resolution of Single and Multiple Coincidences Compton Camera. IEEE Transactions on Nuclear Science, 2012, 59, 1920-1926.	2.0	2
30	Toward a practical template-based approach to semiquantitative SPECT myocardial perfusion imaging. Medical Physics, 2012, 39, 1374-1385.	3.0	1
31	A multivendor phantom study comparing the image quality produced from three state-of-the-art SPECT-CT systems. Nuclear Medicine Communications, 2012, 33, 663-670.	1.1	15
32	The accuracy and reproducibility of SPECT target volumes and activities estimated using an iterative adaptive thresholding technique. Nuclear Medicine Communications, 2012, 33, 1254-1266.	1.1	23
33	Fast image reconstruction for Compton camera using stochastic origin ensemble approach. Medical Physics, 2011, 38, 429-438.	3.0	62
34	Effects of attenuation in single slow rotation dynamic SPECT. , 2011, , .		0
35	A templateâ€based approach to semiâ€quantitative SPECT myocardial perfusion imaging: Independent of normal databases. Medical Physics, 2011, 38, 4186-4195.	3.0	7
36	Patient-Specific Radiation Dosimetry of ^{99m} Tc-HYNIC-Tyr ³ -Octreotide in Neuroendocrine Tumors. Journal of Nuclear Medicine, 2011, 52, 1474-1481.	5.0	37

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37	Resolution recovery for Compton camera using origin ensemble algorithm. , 2011, , .		3
38	Dual-radioisotope PET data acquisition and analysis. , 2011, , .		7
39	Reconstruction of dual isotope PET using expectation maximization (EM) algorithm. , 2011, , .		4
40	Dual-isotope Acquisition for CTâ€“SPECT Registration of Infection Studies. Journal of Digital Imaging, 2010, 23, 258-267.	2.9	1
41	An investigation of potential sources of artifacts in SPECT-CT myocardial perfusion studies. Journal of Nuclear Cardiology, 2010, 17, 232-246.	2.1	12
42	Linearity and energy resolution of compton electrons in CZT measured using the wide angle compton coincidence technique. , 2010, , .		0
43	Spatial resolution of the Multiple Coincidences Compton Camera. , 2010, , .		2
44	Reconstructed Image Spatial Resolution of Multiple Coincidences Compton Imager. IEEE Transactions on Nuclear Science, 2010, 57, 151-159.	2.0	8
45	Stochastic image reconstruction method for Compton camera. , 2009, , .		11
46	Acceleration of blob-based iterative reconstruction algorithm using Tesla GPU. , 2009, , .		4
47	A new approach in patient motion correction for cardiac SPECT: A simulation study. , 2009, , .		0
48	Improvement of myocardial perfusion defect severity quantitation in cardiac SPECT: A simulation study. , 2009, , .		0
49	A multi-center phantom study comparing image resolution from three state-of-the-art SPECT-CT systems. Journal of Nuclear Cardiology, 2009, 16, 914-926.	2.1	16
50	Development of NEMA-based Software for Gamma Camera Quality Control. Journal of Digital Imaging, 2008, 21, 243-255.	2.9	8
51	Reconstructed Image Resolution in Multiple Coincidences Compton Camera. , 2008, , .		0
52	Implementation of an iterative scatter correction, the influence of attenuation map quality and their effect on absolute quantitation in SPECT. Physics in Medicine and Biology, 2007, 52, 1527-1545.	3.0	48
53	Co-registration of Bone CT and SPECT Images Using Mutual Information. , 2006, , .		10
54	Problems created in attenuation-corrected SPECT images by artifacts in attenuation maps: a simulation study. Journal of Nuclear Medicine, 2005, 46, 335-43.	5.0	20