

Valerie Lourenco

List of Publications by Year in descending order

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27
papers

489
citations

1040056

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752698

20
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27
all docs

27
docs citations

27
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose verification and calibration of the Cyberknife [®] by EPR/alanine dosimetry. Radiation Measurements, 2011, 46, 952-957.	1.4	274
2	Real-time radionuclide identification in ¹³⁷ I-emitter mixtures based on spiking neural network. Applied Radiation and Isotopes, 2016, 109, 405-409.	1.5	29
3	Weighing uncertainties in quantitative source preparation for radionuclide metrology. Metrologia, 2015, 52, S18-S29.	1.2	21
4	Current and future radionuclide speciation studies in biological media. Radiation Protection Dosimetry, 2007, 127, 97-102.	0.8	20
5	A methodology for choosing parameters for ESR readout of alanine dosimeters for radiotherapy. Radiation Physics and Chemistry, 2009, 78, 782-790.	2.8	19
6	Primary standardization of SIR-Spheres based on the dissolution of the ⁹⁰ Y-labeled resin microspheres. Applied Radiation and Isotopes, 2015, 97, 170-176.	1.5	15
7	The half-life of ¹²⁹ I. Applied Radiation and Isotopes, 2018, 140, 157-162.	1.5	15
8	Calibration of helical tomotherapy machine using EPR/alanine dosimetry. Medical Physics, 2011, 38, 1168-1177.	3.0	14
9	Metrological characterization of the GAMPIX gamma camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 944, 162568.	1.6	10
10	Activity measurements and determination of nuclear decay data of ¹⁶⁶ Ho in the MRTDosimetry project. Applied Radiation and Isotopes, 2019, 153, 108826.	1.5	10
11	Supplementary comparison CCRI(I)-S2 of standards for absorbed dose to water in ⁶⁰ Co gamma radiation at radiation processing dose levels. Metrologia, 2011, 48, 06009-06009.	1.2	8
12	Photon emission intensities in the decay of ^{108m} Ag and ^{110m} Ag. Applied Radiation and Isotopes, 2014, 87, 101-106.	1.5	8
13	Determination of the ¹⁵¹ Sm half-life. Radiochimica Acta, 2015, 103, 619-626.	1.2	8
14	Investigation of the response variability of ionization chambers for the standard transfer of SIR-Spheres [®] . Applied Radiation and Isotopes, 2016, 109, 231-235.	1.5	5
15	Measurement of absolute K X-ray emission intensities in the decay of ^{103m} Rh. Applied Radiation and Isotopes, 2018, 134, 399-405.	1.5	5
16	Spectral unmixing applied to fast identification of ¹³⁷ I-emitting radionuclides using NaI(Tl) detectors. Applied Radiation and Isotopes, 2020, 158, 109068.	1.5	5
17	Bilateral comparison of an alanine/ESR dosimetry system at radiotherapy dose levels. Radiation Measurements, 2010, 45, 789-796.	1.4	4
18	Absorbed dose to water distribution measured around an HDR ¹⁹² Ir brachytherapy source by thermoluminescent dosimeters. Metrologia, 2012, 49, S228-S230.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Preparation of spiked grass for use as an environmental radioactivity reference material. Applied Radiation and Isotopes, 2014, 87, 456-460.	1.5	4
20	Determination of X- and gamma-ray emission intensities in the decay of ¹³¹ I. Applied Radiation and Isotopes, 2016, 109, 154-159.	1.5	4
21	Results of the EURAMET.RI(II)-S6.I-129 supplementary comparison. Metrologia, 2015, 52, 06017-06017.	1.2	2
22	Results of the EURAMET.RI(II)-K2.Ho-166m activity comparison. Metrologia, 2014, 51, 06021-06021.	1.2	1
23	Measurement of the absolute gamma-ray emission intensities from the decay of ¹⁴⁷ Nd. Applied Radiation and Isotopes, 2020, 166, 109349.	1.5	1
24	Measurement of the absolute gamma-ray emission intensities from the decay of ¹⁰³ Pd. Applied Radiation and Isotopes, 2021, 167, 109298.	1.5	1
25	Results of the EURAMET.RI(II)- S7.Sm-151 supplementary comparison (EURAMET Project 1292). Metrologia, 2015, 52, 06016-06016.	1.2	1
26	Development of alpha-emitting large area radioactive surface sources tailored for decommissioning. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 166732.	1.6	1
27	New approaches for interlaboratory comparisons analysis using dark uncertainty applied to radioactive materials. Talanta, 2022, , 123394.	5.5	0