Alfonso Fernandez

List of Publications by Year
in descending order

		1307594	1058476
20 papers	**191** citations	**7** h-index	**14** g-index
20 all docs	**20** docs citations	**20** times ranked	**101** citing authors

#	Article	IF	Citations
1	α-SpecTrim: A new application designed for reproducing alpha-particle spectra. Radiation Physics and Chemistry, 2022, 196, 110112.	2.8	0
2	Determination and analysis of ionization/excitation distributions for alpha particles in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164134.	1.6	2
3	ALPHACAL: A new user-friendly tool for the calibration of alpha-particle sources. Applied Radiation and Isotopes, 2018, 135, 78-82.	1.5	0
4	A comparison between the codes SRIM and AlfaMC in the Monte Carlo simulation of alpha-particle backscattering. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 479-485.	1.5	2
5	Study of backscattering in alpha-particle sources with the new code AlfaMC. Radiation Physics and Chemistry, 2015, 106, 199-203.	2.8	3
6	Application of the new Monte Carlo code AlfaMC to the calibration of alpha-particle sources. Nukleonika, 2015, 60, 651-655.	0.8	2
7	Application of alpha particle transport to the modelization of efficiency curves in proportional counters. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 297-302.	1.5	3
8	Influence of source composition and particle energy on the determination of gross alpha activity. Applied Radiation and Isotopes, 2013, 82, 376-381.	1.5	3
9	Alpha-particle energy distributions from thin sources measured with small solid angles. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 571-577.	1.5	4
10	A method to reproduce alpha-particle spectra measured with semiconductor detectors. Applied Radiation and Isotopes, 2010, 68, 941-945.	1.5	9
11	GRASP for Instance Selection in Medical Data Sets. Advances in Intelligent and Soft Computing, 2010, , 53-60.	0.2	1
12	Design and construction of a new chamber for measuring the thickness of alpha-particle sources. Applied Radiation and Isotopes, 2008, 66, 804-807.	1.5	5
13	Dependence of α-particle backscattering on energy and source backing. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 350-353.	1.6	6
14	Dependence of self-absorption on thickness for thin and thick alpha-particle sources of UO2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 432-438.	1.6	13
15	Scattering and self-absorption corrections in the measurement of α-particle emitters in 2π geometry. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 564-571.	1.4	18
16	Application of ion transport simulation to the backscattering in α-particle sources. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 129-133.	1.4	16
17	The effect of energy losses in α-particle sources on the shape of peaks in spectra obtained with wide-angle geometry. Applied Radiation and Isotopes, 2002, 56, 51-55.	1.5	5
18	Monte Carlo simulation of the self-absorption corrections for natural samples in gamma-ray spectrometry. Applied Radiation and Isotopes, 2002, 57, 893-898.	1.5	58

#	Article	IF	Citations
19	Influence of the geometrical characteristics of an HpGe detector on its efficiency. Journal of Radioanalytical and Nuclear Chemistry, 2002, 253, 439-443.	1.5	26
20	Computer simulation of backscattered alpha particles. Applied Radiation and Isotopes, 2000, 52, 341-346.	1.5	15