Marcelo Antoniassi

List of Publications by Year
in descending order

19	206	1040056 9	1058476 14
papers	citations	h-index	g-index

19	19	19	158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of effective atomic number of breast tissues determined using the elastic to inelastic scattering ratio. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 739-743.	1.6	37
2	Analysis of breast cancer by small angle X-ray scattering (SAXS). Analyst, The, 2009, 134, 1077.	3.5	33
3	Response functions of Si(Li), SDD and CdTe detectors for mammographic x-ray spectroscopy. Applied Radiation and Isotopes, 2012, 70, 1355-1359.	1.5	27
4	Characterization of breast tissues using Compton scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 375-378.	1.6	16
5	Effective atomic numbers for materials of medical interest at low photon energy using the Rayleigh to Compton scattering ratio. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 597-601.	1.6	13
6	Preliminary study of human breast tissue using synchrotron radiation combining WAXS and SAXS techniques. Applied Radiation and Isotopes, 2010, 68, 799-803.	1.5	11
7	Rayleigh to Compton ratio scatter tomography applied to breast cancer diagnosis: A preliminary computational study. Radiation Physics and Chemistry, 2014, 95, 288-291.	2.8	11
8	Study of electron densities of normal and neoplastic human breast tissues by Compton scattering using synchrotron radiation. Applied Radiation and Isotopes, 2012, 70, 1351-1354.	1.5	10
9	Mapping transitions between healthy and pathological lesions in human breast tissues by diffraction enhanced imaging computed tomography (DEI-CT) and small angle x-ray scattering (SAXS). Radiation Physics and Chemistry, 2014, 95, 313-316.	2.8	10
10	Compton scattering spectrum as a source of information of normal and neoplastic breast tissues' composition. Applied Radiation and Isotopes, 2012, 70, 1451-1455.	1.5	9
11	Assessment of the differential linear coherent scattering coefficient of biological samples. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 67-70.	1.6	8
12	Multivariate analysis of the scattering profiles of healthy and pathological human breast tissues. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 870-873.	1.6	8
13	Characterization of breast tissues combining x-ray fluorescence and scattering spectroscopy: A Monte Carlo computational study. Radiation Physics and Chemistry, 2019, 155, 69-74.	2.8	5
14	The influence of hydration on the architectural rearrangement of normal and neoplastic human breast tissues. Heliyon, 2019, 5, e01219.	3.2	5
15	Tomographic images of breast tissues obtained by Compton scattering: An analytical computational study. Radiation Physics and Chemistry, 2015, 116, 273-277.	2.8	2
16	Spectral reconstruction of dental X-ray tubes using laplace inverse transform of the attenuation curve. Radiation Physics and Chemistry, 2015, 116, 278-281.	2.8	1
17	Structural characterization of canine mammary tissue by x-ray diffraction. Radiation Physics and Chemistry, 2019, 155, 22-25.	2.8	0
18	Breast phantom design for X-ray phase-contrast imaging. Research on Biomedical Engineering, 2019, 35, 21-26.	2.2	0

#	Article	IF	Citations
19	Preliminary study on trace elements distribution and electron density variation in canine mammary tissues using a synchrotron-based micro X-ray fluorescence system. Radiation Physics and Chemistry, 2022, 199, 110326.	2.8	0