

# Marcelo Antoniassi

## List of Publications by Year in descending order

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19  
papers

206  
citations

1040056

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h-index

1058476

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19  
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docs citations

19  
times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Structural characterization of canine mammary tissue by x-ray diffraction. Radiation Physics and Chemistry, 2019, 155, 22-25.	2.8	0
4	Breast phantom design for X-ray phase-contrast imaging. Research on Biomedical Engineering, 2019, 35, 21-26.	2.2	0
5	The influence of hydration on the architectural rearrangement of normal and neoplastic human breast tissues. Heliyon, 2019, 5, e01219.	3.2	5
6	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
7	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
8	Tomographic images of breast tissues obtained by Compton scattering: An analytical computational study. Radiation Physics and Chemistry, 2015, 116, 273-277.	2.8	2
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Analysis of breast cancer by small angle X-ray scattering (SAXS). <i>Analyst, The</i> , 2009, 134, 1077.	3.5	33