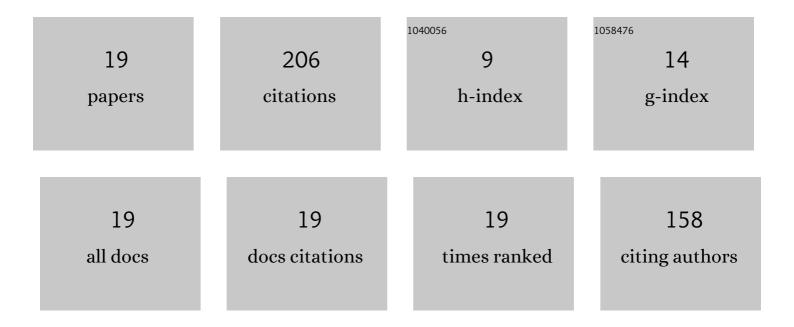
Marcelo Antoniassi

List of Publications by Year in descending order

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| # | 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 |