# Christian Fedon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5266703/publications.pdf

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|---|---|---|---|
| 25 papers | 454 citations | 686830 13 h-index | 752256 20 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 301 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Patientâ€derived heterogeneous breast phantoms for advanced dosimetry in mammography and tomosynthesis. Medical Physics, 2022, 49, 5423-5438. | 1.6 | 15 |
| 2 | Fibroglandular tissue distribution in the breast during mammography and tomosynthesis based on breast CT data: A patientâ€based characterization of the breast parenchyma. Medical Physics, 2021, 48, 1436-1447. | 1.6 | 13 |
| 3 | Deep learning reconstruction of digital breast tomosynthesis images for accurate breast density and patient-specific radiation dose estimation. Medical Image Analysis, 2021, 71, 102061. | 7.0 | 19 |
| 4 | Radiochromic film dosimetry in synchrotron radiation breast computed tomography: a phantom study. Journal of Synchrotron Radiation, 2020, 27, 762-771. | 1.0 | 5 |
| 5 | Towards 4D dedicated breast CT perfusion imaging of cancer: development and validation of computer simulated images. Physics in Medicine and Biology, 2019, 64, 245004. | 1.6 | 9 |
| 6 | Advancements towards the implementation of clinical phase-contrast breast computed tomography at Elettra. Journal of Synchrotron Radiation, 2019, 26, 1343-1353. | 1.0 | 47 |
| 7 | Image quality comparison between a phase-contrast synchrotron radiation breast CT and a clinical breast CT: a phantom based study. Scientific Reports, 2019, 9, 17778. | 1.6 | 24 |
| 8 | Monte Carlo study on optimal breast voxel resolution for dosimetry estimates in digital breast tomosynthesis. Physics in Medicine and Biology, 2019, 64, 015003. | 1.6 | 6 |
| 9 | Internal breast dosimetry in mammography: Experimental methods and Monte Carlo validation with a monoenergetic xâ€ray beam. Medical Physics, 2018, 45, 1724-1737. | 1.6 | 14 |
| 10 | Development of 3D patient-based super-resolution digital breast phantoms using machine learning. Physics in Medicine and Biology, 2018, 63, 225017. | 1.6 | 11 |
| 11 | Internal breast dosimetry in mammography: Monte Carlo validation in homogeneous and anthropomorphic breast phantoms with a clinical mammography system. Medical Physics, 2018, 45, 3950-3961. | 1.6 | 13 |
| 12 | Dose and diagnostic performance comparison between phase-contrast mammography with synchrotron radiation and digital mammography: a clinical study report. Journal of Medical Imaging, 2018, 5, 1. | 0.8 | 18 |
| 13 | Automatic estimation of glandular tissue loss due to limited reconstruction voxel size in tomographic images of the breast. , 2018, , . | | 1 |
| 14 | Dose reduction in breast CT by spectrum switching. , 2018, , . | | 2 |
| 15 | Imaging study of a phase-sensitive breast-CT system in continuous acquisition mode. Journal of Instrumentation, 2017, 12, C01016-C01016. | 0.5 | 24 |
| 16 | A Framework for Iterative Reconstruction in Phase-Contrast Computed Tomography Dedicated to the Breast. IEEE Transactions on Radiation and Plasma Medical Sciences, 2017, 1, 505-510. | 2.7 | 5 |
| 17 | Quantitative evaluation of breast CT reconstruction by means of figures of merit based on similarity metrics. , 2017, , . | | 2 |
| 18 | Erratum of: â€˜Glandular dose in breast computed tomography with synchrotron radiationâ€™. Physics in Medicine and Biology, 2016, 61, 2970-2971. | 1.6 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Glandular dose in breast computed tomography with synchrotron radiation. Physics in Medicine and Biology, 2016, 61, 569-587. | 1.6 | 45 |
| 20 | Imaging performance of phase-contrast breast computed tomography with synchrotron radiation and a CdTe photon-counting detector. Physica Medica, 2016, 32, 681-690. | 0.4 | 51 |
| 21 | Towards breast tomography with synchrotron radiation at Elettra: first images. Physics in Medicine and Biology, 2016, 61, 1634-1649. | 1.6 | 74 |
| 22 | Energy response of GR-200A thermoluminescence dosemeters to<sup>60</sup>Co and to monoenergetic synchrotron radiation in the energy range 28â€“40 keV. Radiation Protection Dosimetry, 2016, 168, 40-45. | 0.4 | 3 |
| 23 | Digital mammography with synchrotron radiation: characterization of a novel computed radiography system. Journal of Physics: Conference Series, 2015, 637, 012028. | 0.3 | 0 |
| 24 | GEANT4 for breast dosimetry: parameters optimization study. Physics in Medicine and Biology, 2015, 60, N311-N323. | 1.6 | 47 |
| 25 | Use of XR-QA2 radiochromic films for quantitative imaging of a synchrotron radiation beam. Journal of Instrumentation, 2015, 10, C05002-C05002. | 0.5 | 6 |