

Weiyuan Sun

Life Science Research Professional 1, Radiation Oncology - Radiation Physics

Publications

PUBLICATIONS

- **Phase and dark field imaging with mesh-based structured illumination and polycapillary optics.** *Medical physics*
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2020
- **Combined optic system based on polycapillary X-ray optics and single-bounce monocapillary optics for focusing X-rays from a conventional laboratory X-ray source** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Sun, X., Liu, Z., Sun, T., Yi, L., Sun, W., Li, F., Jiang, B., Ma, Y., Ding, X.
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- **Numerical design of X-ray tabletop Talbot interferometer using polycapillary optics as two-dimensional gratings with high aspect ratio** *OPTICS COMMUNICATIONS*
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- **Application of confocal X-ray fluorescence micro-spectroscopy to the investigation of paint layers** *APPLIED RADIATION AND ISOTOPES*
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- **Measurement of grain size of polycrystalline materials with confocal energy dispersive micro-X-ray diffraction technology based on polycapillary X-ray optics** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
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- **Numerical design of in-line X-ray phase-contrast imaging based on ellipsoidal single-bounce monocapillary** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*

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- **[Application of confocal micro-beam X-ray fluorescence in nondestructive scanning analysis of the distribution of elements in a single hair].** *Guang pu xue yu guang pu fen xi = Guang pu*

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