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X-ray micro-computed tomography (micro-CT) (Bonse and Busch, 1996) combined with synchrotron radiation X-ray sources enables spatial resolution in the micrometre regime for three-dimensional (3D) imaging of bone microarchitecture combined with a high level of image sensitivity.

Application of high resolution synchrotron micro-CT ...

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synchrotron radiation methodology and its application in probing neurovascular networks, especially the pathological changes associated with vascular abnormalities in various model systems. Furthermore, this tool represents a powerful imaging modality that improves our understanding of the complex

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Synchrotron-radiation Microtomography

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Applications of synchrotron-based micro-imaging techniques ...

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By synchrotron radiation micro-beam XRF analysis of multiple samples of fetal hairs, the Pb distribution along the longitudinal axis can be analyzed. Therefore, by analyzing the Pb distribution curves of hair, a certain period of Pb exposure history can be tracked. The main Pb sources of prenatal fetus should be from those polluted aquatics.

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Study of Lead Level During Pregnancy by Application of ...

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