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XRPD and TEM as tools to determine crystallite size of nanocrystalline iron

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Analysis of the crystallite size data with different approaches utilising X-ray diffraction might lead to ambiguous results. For this reason, the use of different analytical techniques is required to confirm the XRD analysis. In the presented study a nanocrystalline iron was also examined with transmission electron microscopy to compare complementary measurements of crystallite sizes.

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