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STUDY OF DEGRADATION PROCESSES OF FeNi NANOSTRUCTURES

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The paper presents results of various media influence on the degradation processes of FeNi nanostructures obtained by electrochemical synthesis. The dependence of the change in the degradation degree on acidity and residence time in the medium has been found. Using X-ray diffraction and energy dispersion analysis, it has been determined that the change in the parameters of the crystal structure can be explained by the appearance of FeO oxide phases, as well as the formation of disorder areas appearing as a result of oxidation processes and subsequent degradation.

Primary author: KOZLOVSKIY, Artem (The Institute of Nuclear Physics)

Presenter: KOZLOVSKIY, Artem (The Institute of Nuclear Physics)

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