## Atomic-force microscopy of nickel nanoparticles possessing electrocatalytic properties

Ziganshina S., Bizyaev D., Lebedev D., Chuklanov A., Bukharaev A. *Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia* 

## **Abstract**

Surface morphology of highly oriented pyrolytic graphite with electrodeposited nickel nanoparticles was studied by atomic-force microscopy in the presence and absence of ethanol. Voltammetric and atomic-force microscopic data and histograms of particle size distribution were used to evaluate the unit-area catalytic activity of the nanocatalyst in relation to conditions of its preparation. © 2010 Pleiades Publishing, Ltd.

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