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Morphology, Stability, and X-ray Absorption Spectroscopic Study of Iron Oxide (Hematite) Nanoparticles Prepared by Micelle Nanolithography

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Highlights

- Stable hematite iron oxide nanoparticles prepared by reverse micelle nanolithography technique;
- Characterization of oxidation state of Fe via synchrotron based X-ray absorption spectroscopy;
- Characterization of crystallographic structure of iron oxide via EXAFS.
- Diffuse reflection visible absorption spectroscopy measurement of supported iron oxide nanoparticles.

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