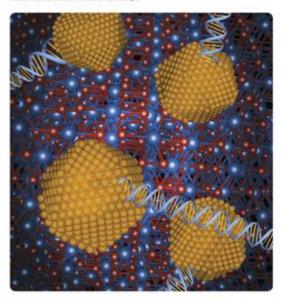
## Nanocrystalline Iron Oxides, Composites, and Related Materials as a Platform for Electrochemical, Magnetic, and Chemical Biosensors

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Hybrid materials based on magnetic iron oxide nanoparticles with attached noble metals (gold, silver) exhibit a huge potential not only in sensing applications but also in the fields of magnetically separable catalysts, magnetically assisted SERS, or separation/detection of various biological substances. This cover features a schematic representation of magnetic nanosensors based on iron oxide (background) and gold nanoclusters (yellow) for sensing of DNA as the model biomolecule.

I.F. 8.535