Supplementary Materials

Low-Temperature Synthesis of Titanium Oxynitride Nanoparticles

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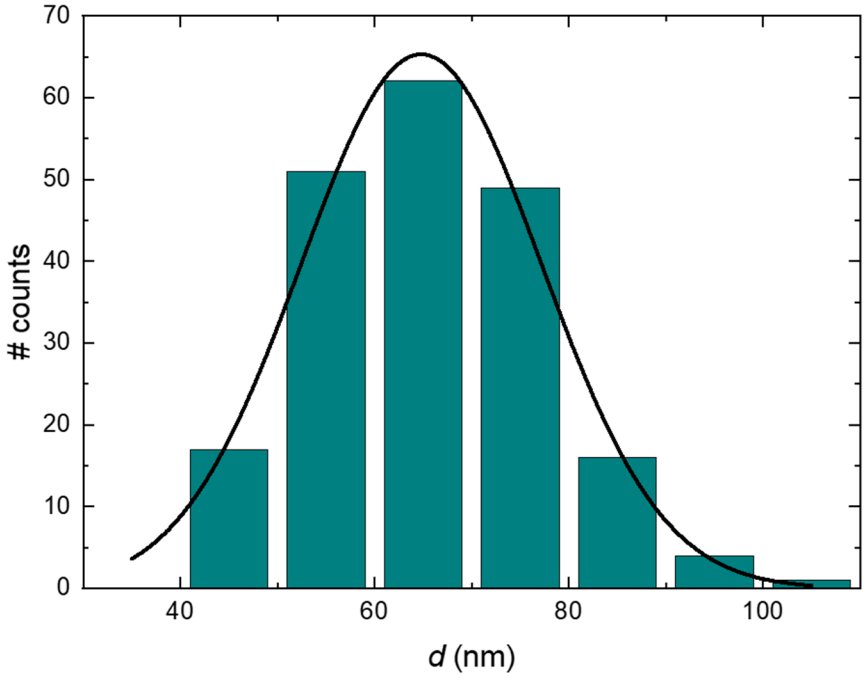


Figure S1. Particle size distribution of the synthesized titanium oxynitride (TiON) nanoparticles (NPs).

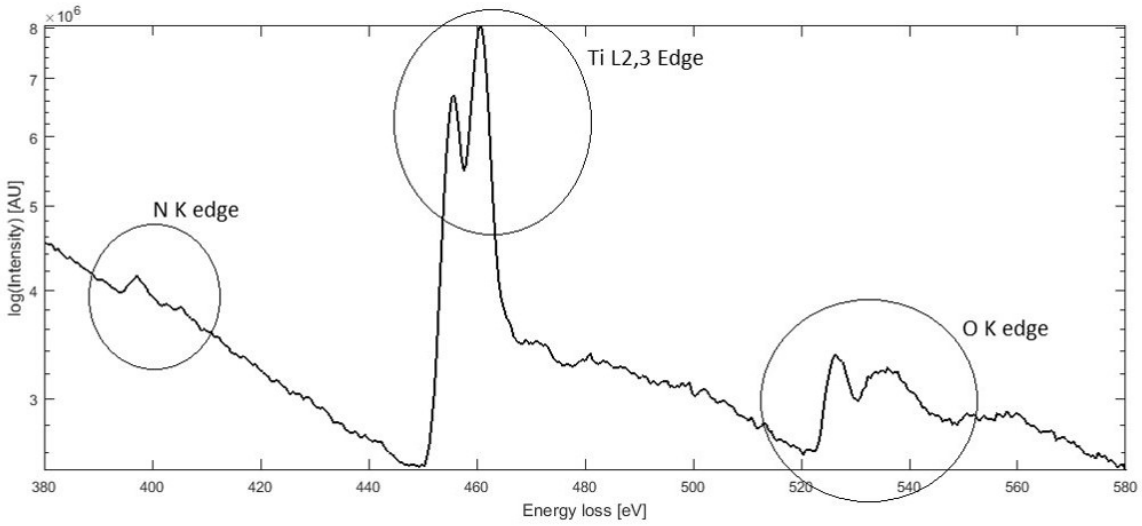


Figure S2. EEL spectrum of a TiON NP. The ratio of oxygen to nitrogen is 5 to 1.

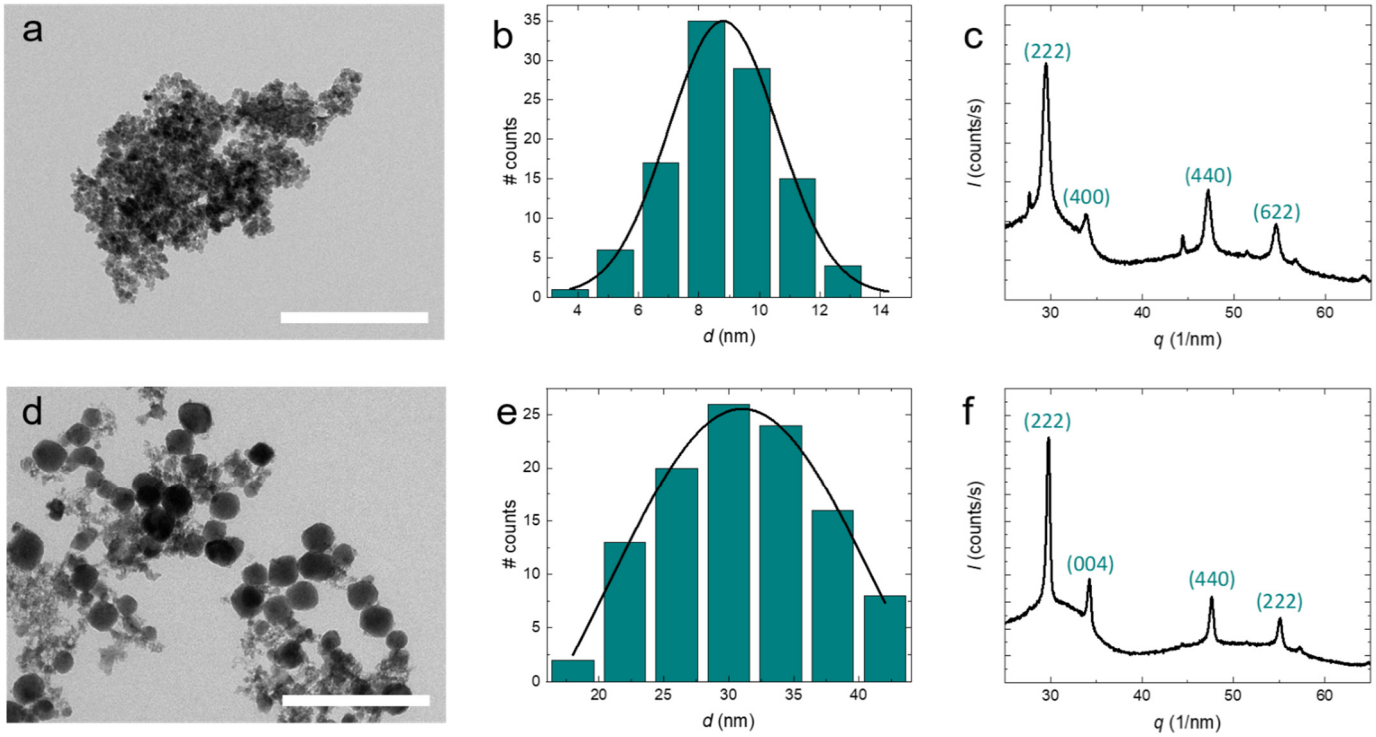


Figure S3. (**a**–**c**) Characterization of the synthesized ZrON NPs. (**a**) TEM image, the scale bar represents 200 nm; (**b**) Particle size distribution; (**c**) XRD spectrum. (**d**–**f**) Characterization of the synthesized HfON NPs. (**d**) TEM image, the scale bar represents 200 nm; (**e**) Particle size distribution; (**f**) XRD spectrum.

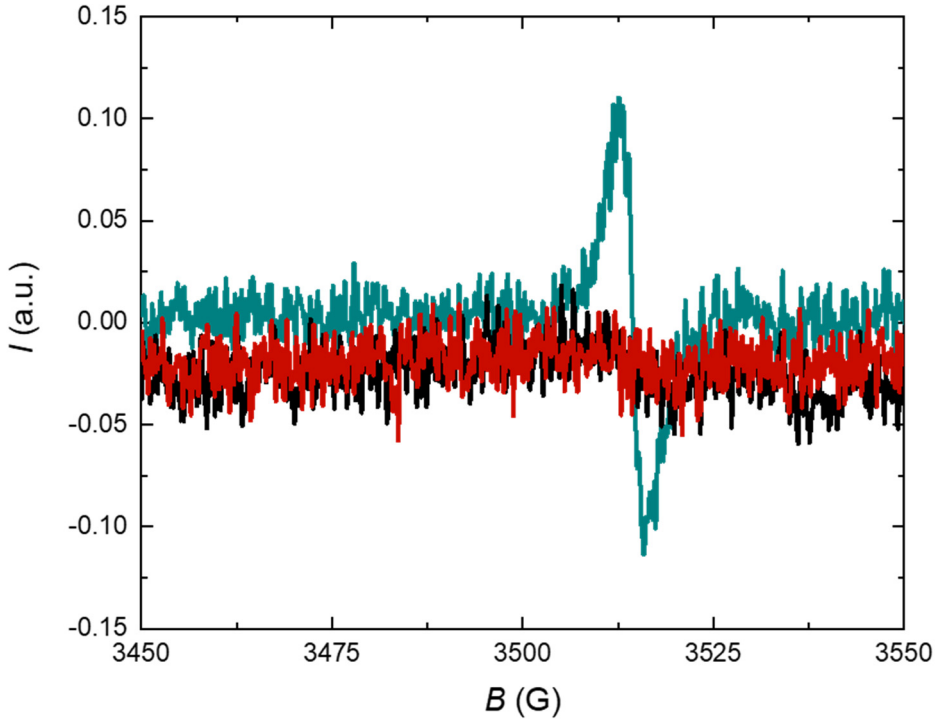


Figure S4. EPR spectrum for the synthesized TiON (cyan), ZrON (black), and HfON (red) NPs.