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**Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: magnetic and safety properties**  
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**Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents**  
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**Ferromagnetism in rare earth doped cerium oxide bulk samples**  
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**Magnetic and dielectric studies of multiferroic Y – type hexaferrites**  
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**Magnetic and structural studies of LaMnO<sub>3</sub> thin films prepared by atomic layer deposition**  
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**Synthesis of Ni@SiO<sub>2</sub> and Co@SiO<sub>2</sub> nanomagnets after formation of NiO and Co<sub>2</sub>O<sub>3</sub> nanoparticles at low temperatures using CaH<sub>2</sub>**  
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**Synthesis of zwitterionic dopamine sulfonate coated cubic core@Fe@SiO<sub>2</sub> nanoparticles and their magnetic properties**

**analysis**

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