

Mesoscopic Magnetic Iron Oxide spheres for high performance Li-ion battery anode: A new pulsed laser induced reactive micro-bubble synthesis process

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Electronic Supplementary Information

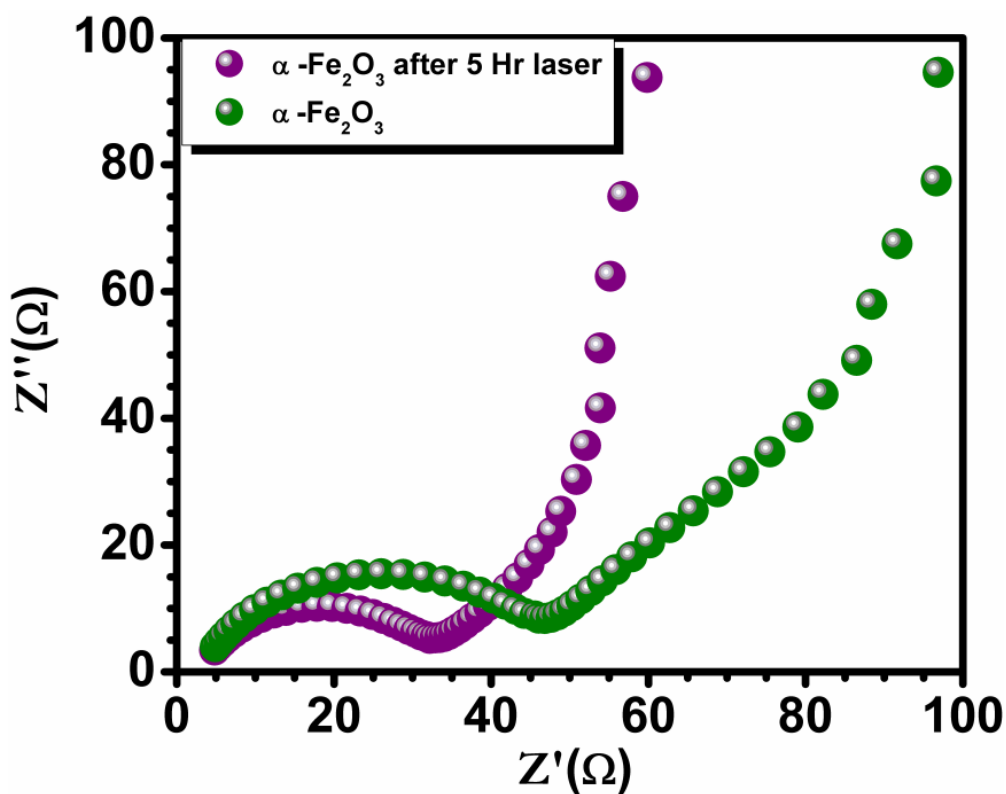


Fig S1: ac Impedance spectra of bulk $\alpha\text{-Fe}_2\text{O}_3$ and $\alpha\text{-Fe}_2\text{O}_3$ after 5 h laser irradiation. The figure shows the comparison of conductivity of $\alpha\text{-Fe}_2\text{O}_3$ and $\alpha\text{-Fe}_2\text{O}_3$ after 5Hr laser showing higher conductivity in the later case.

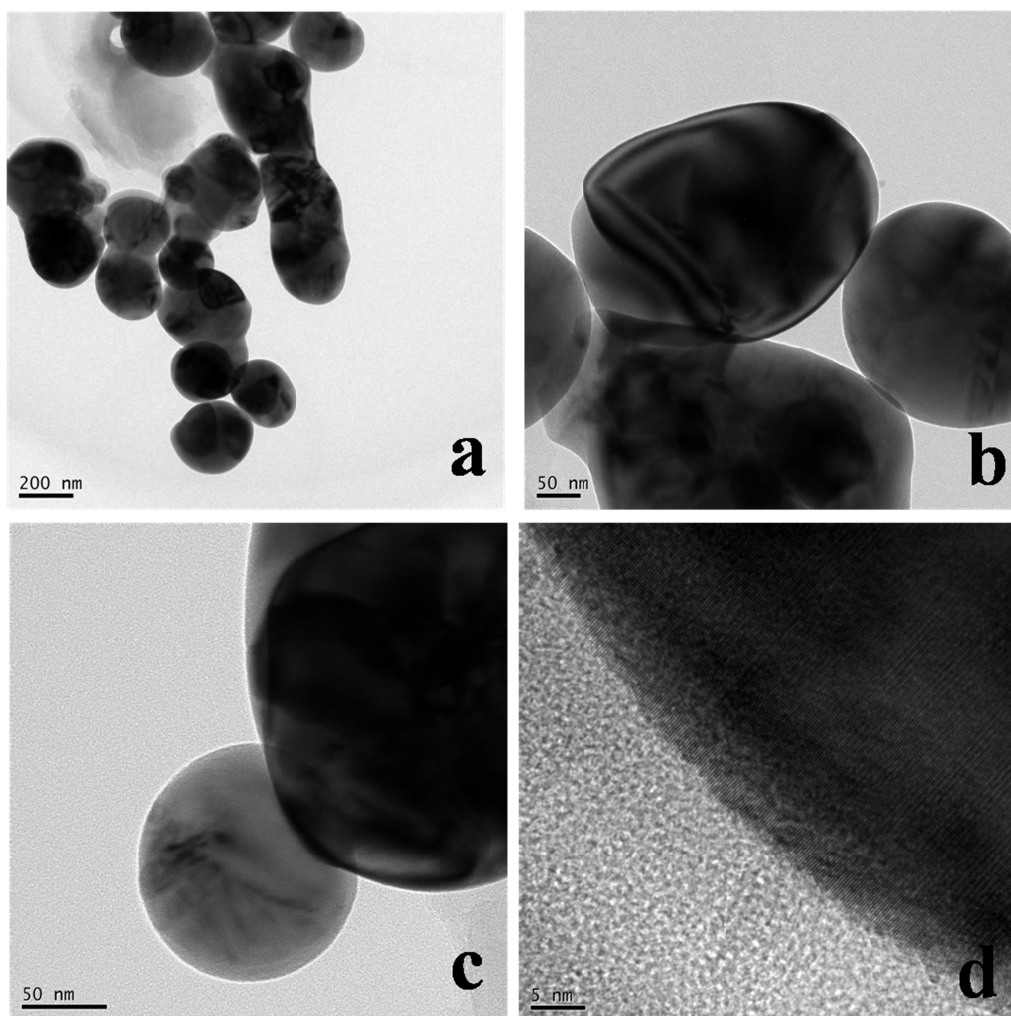


Fig. S2: a-c) HR-TEM images of iron oxides used for electrochemical measurements as electrode materials in Li ion battery. The figure shows that the morphology is intact even after several cycles of charge and discharge measurements.