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A comparative study on structural, optical and magnetic properties of Fe_3O_4 and $Fe_3O_4@SiO_2$ core-shell microspheres along with assessment of their potentiality as electrochemical double layer capacitor

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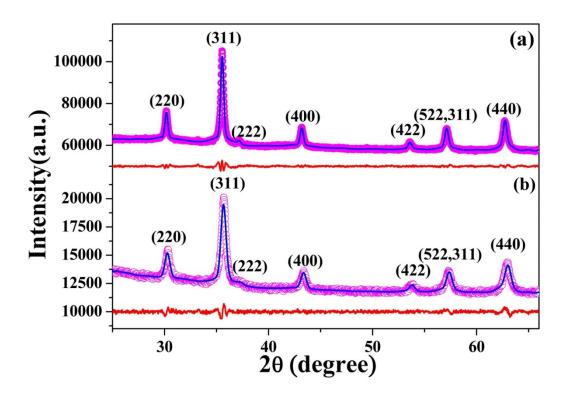


Fig S1. Rietveld refinement plot of (a) S1 and (b) S2 by using MAUD2.33 software package. The pink symbols represent the experimental data points and the continuous blue line represents the simulated pattern. The respective residue has been plotted at the bottoms (red line).

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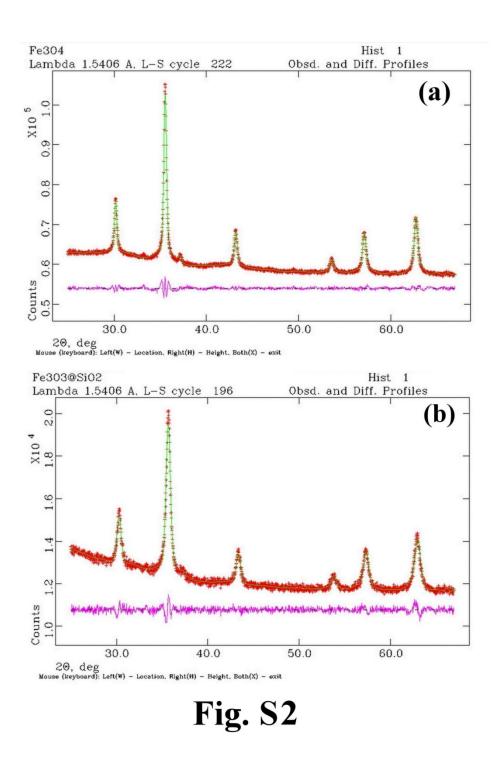


Fig.S2 The final Rietveld plot (output file of GSAS) of (a) S1 and (b) S2, showing the difference (pink color line) between the experimental (orange color symbol) and the simulated pattern (green color line).

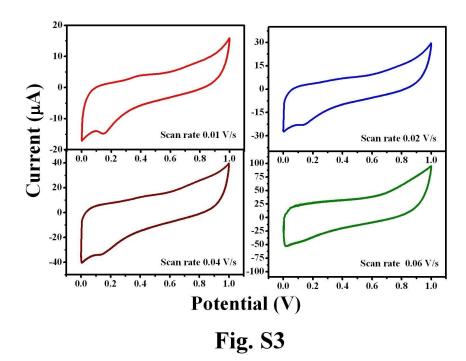


Fig.S3 Cyclic voltagram (CV) of ITO-S1 film at different scan rate.

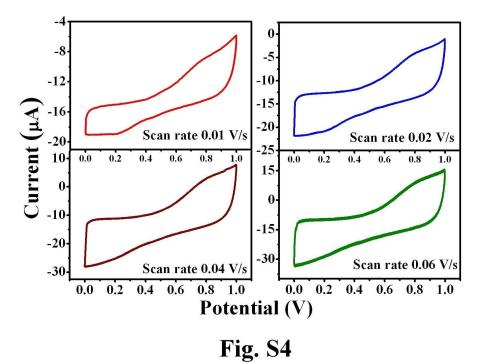


Fig.S4 Cyclic voltagram (CV) of ITO-S2 film at different scan rate.