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Surfactant Assisted Synthesis of Strontium hexaferrite Microspheres for the Fabrication of High-Performance Asymmetric supercapacitors

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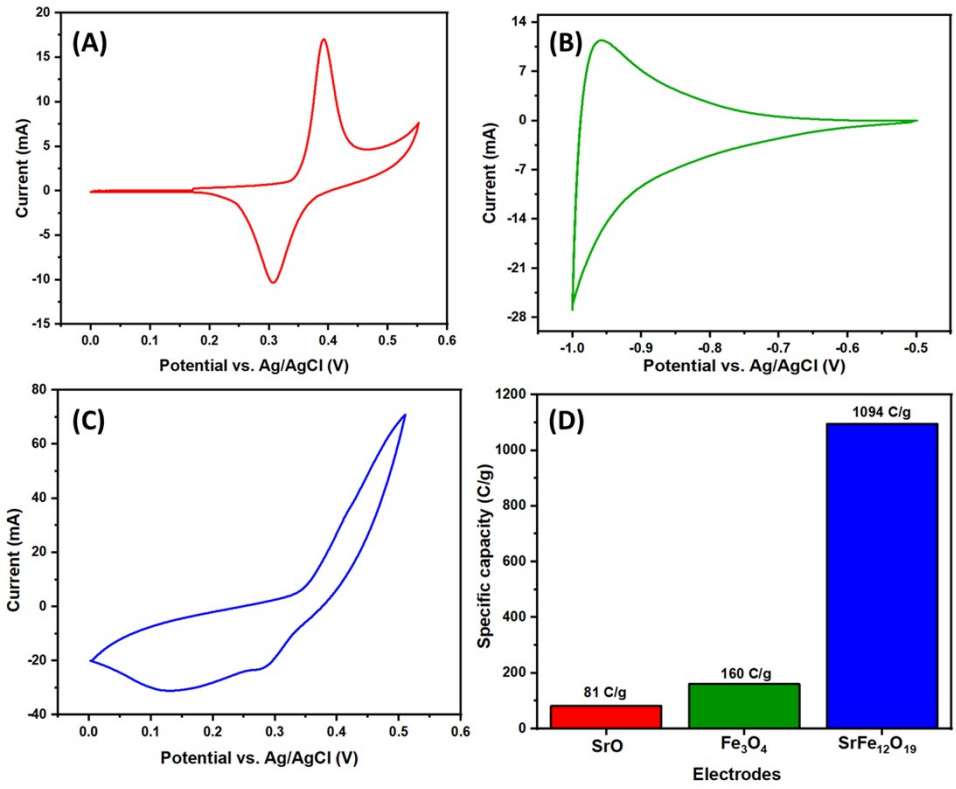

Fig.S1: CV curve of (A)SrO (B)Fe_3O_4 (C)$SrFe_{12}O_{19}$ electrodes at 5 mV/s in 3 M KOH (D) Comparison of specific capacity values

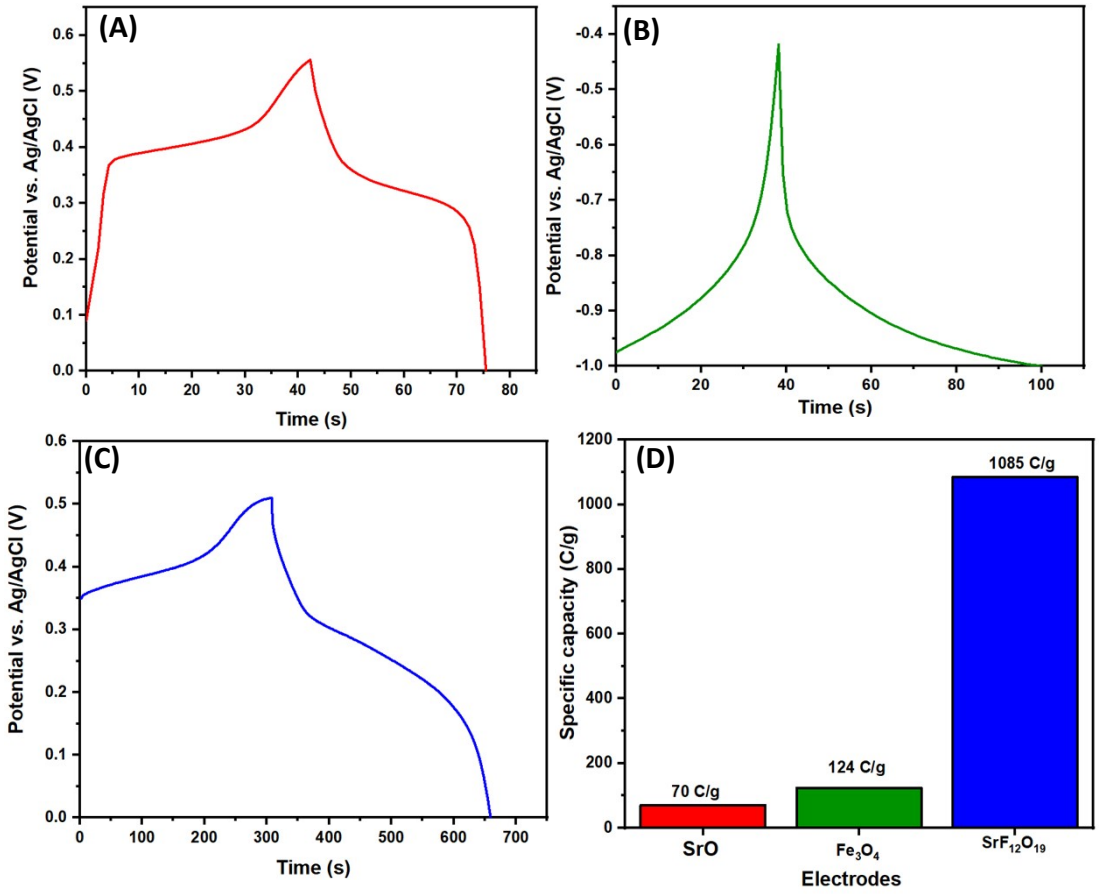

Fig.S2: GCD curve of (A)SrO (B)Fe_3O_4 (C)$SrFe_{12}O_{19}$ electrodes at 1 A/g in 3M KOH (D) Comparison of specific capacity values

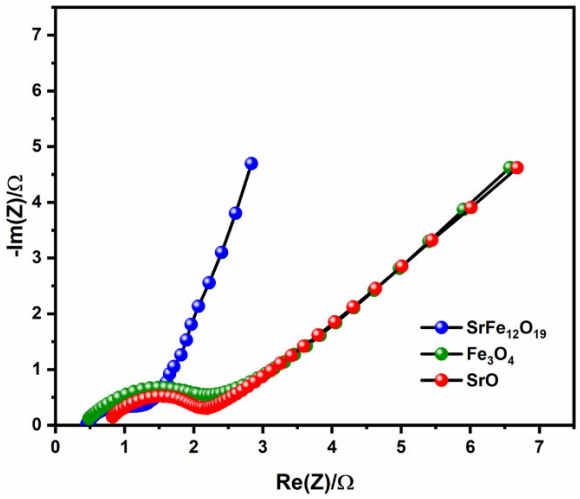

Fig.S3: Nyquist plots of SrO, Fe_3O_4 and $SrFe_{12}O_{19}$ electrodes

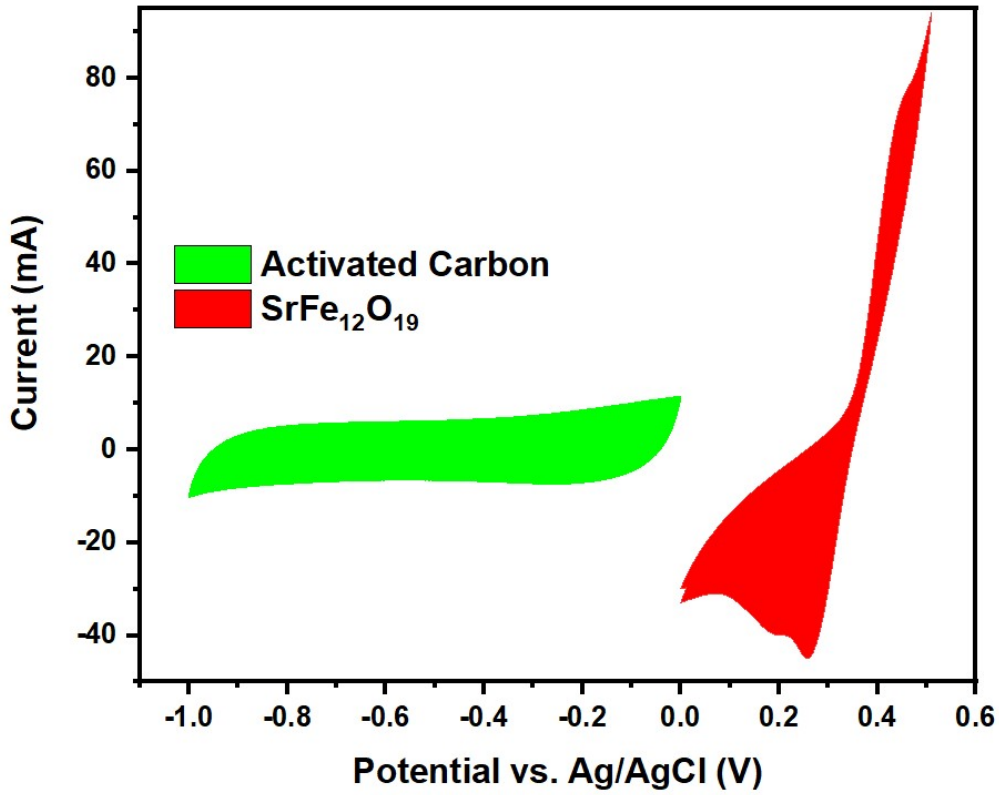

Fig. S4: CV curves of activated carbon and $SrFe_{12}O_{19}$ in 6 M KOH electrolyte at a scan rate of 50 mV/s ($SrFe_{12}O_{19}$//AC device analysis)

Table S1: R_s, R_{ct} and ESR values of SrO, Fe_3O_4 and $SrFe_{12}O_{19}$ electrodes

Electrodes	R_s (Ω)	R_{ct} (Ω)	ESR (Ω)
$SrFe_{12}O_{19}$	0.48	0.84	1.32
SrO	0.83	1.35	2.18
Fe_3O_4	0.50	2.21	2.71