Electronic Supplementary Material (ESI) for Materials Chemistry Frontiers.

Supporting information

Nanosheet floral clusters of Fe-doped Co_3O_4 for high-performance supercapacitors

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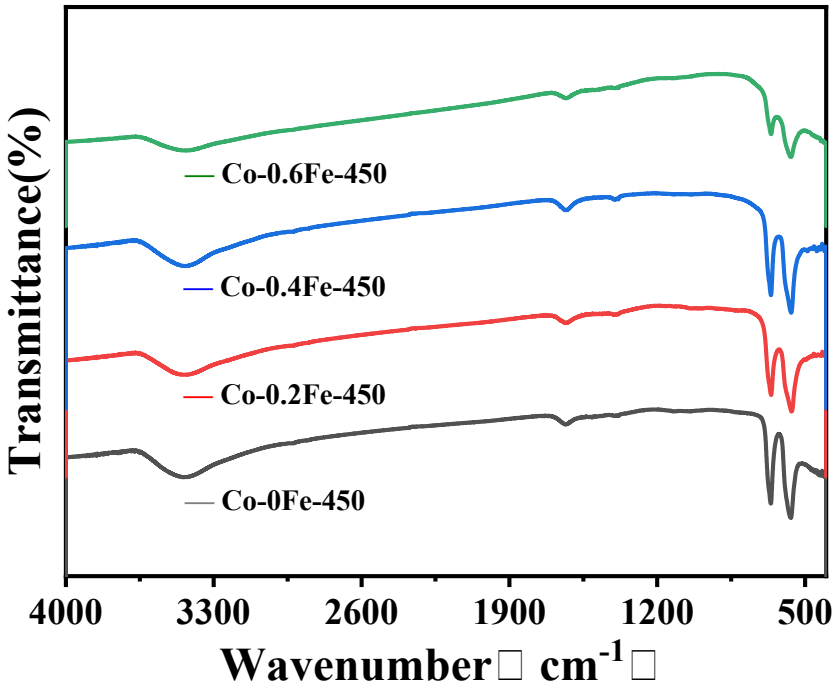

Figure S1. FTIR spectra of samples prepared at different ratios.

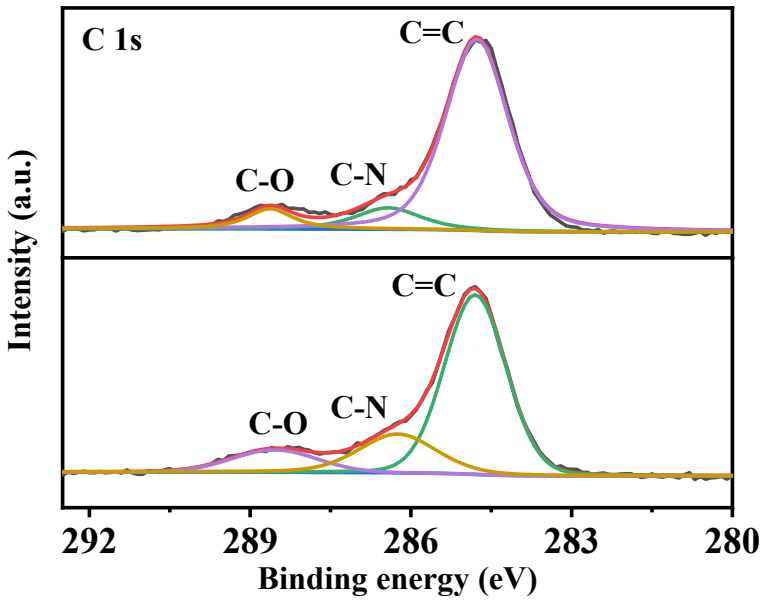

Figure S2. XPS spectra of Co-0Fe-450 and Co-0.2Fe-450.

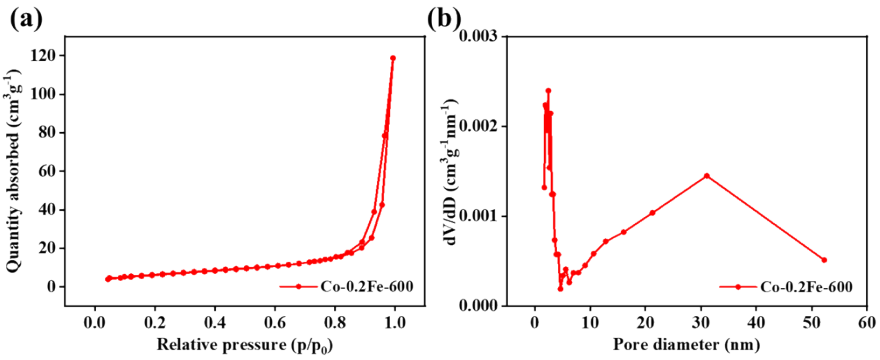

Figure S3. (a) N_2 adsorption desorption curve, (b) pore size distribution for Co-0.2Fe-600

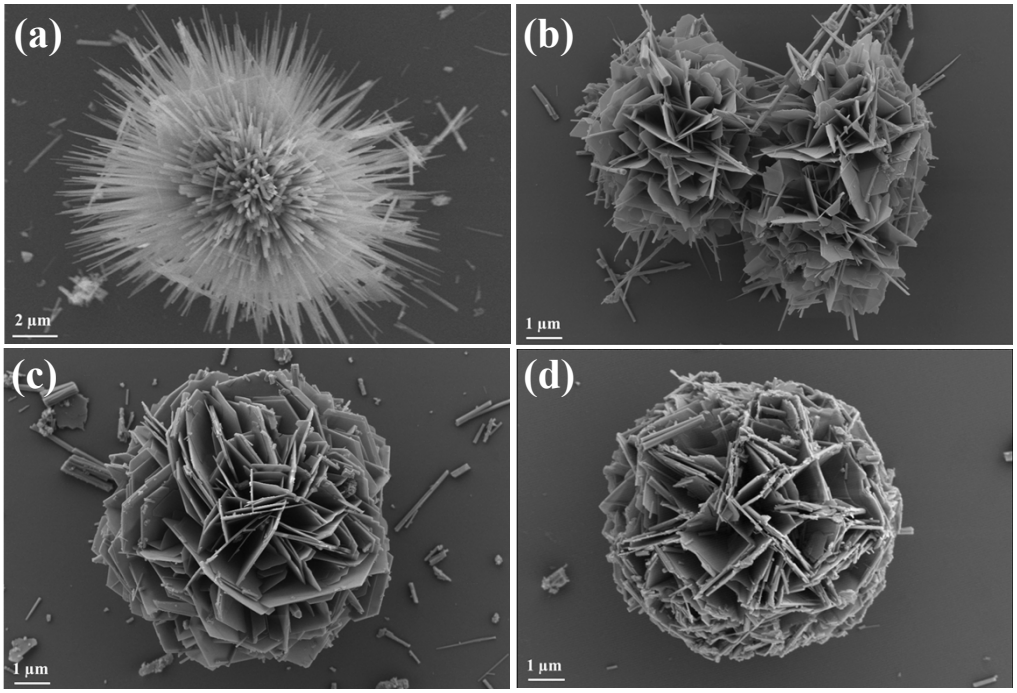

Figure S4. SEM images of (a)Co-0Fe; (b)Co-0.2Fe; (c)Co-0.4Fe; (d)Co-0.6Fe.

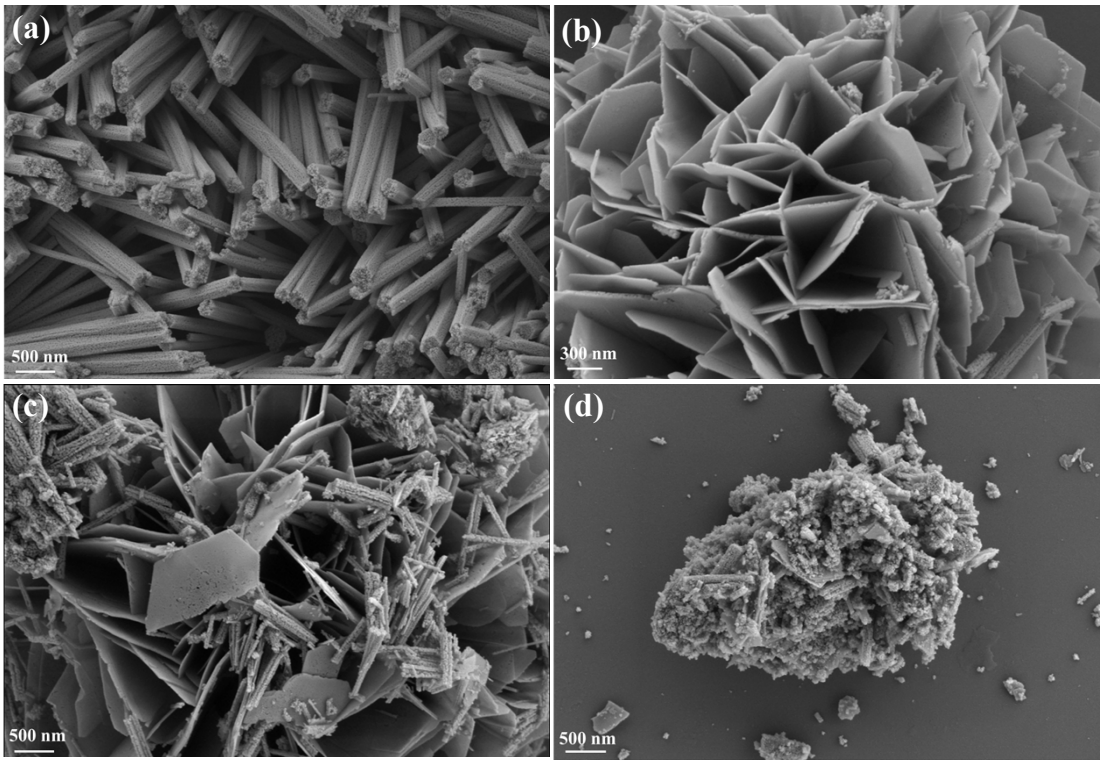

Figure S5. SEM images of (a)Co-0Fe-450; (b)Co-0.2Fe-450; (c)Co-0.4Fe-450; (d)Co-0.6Fe-450.

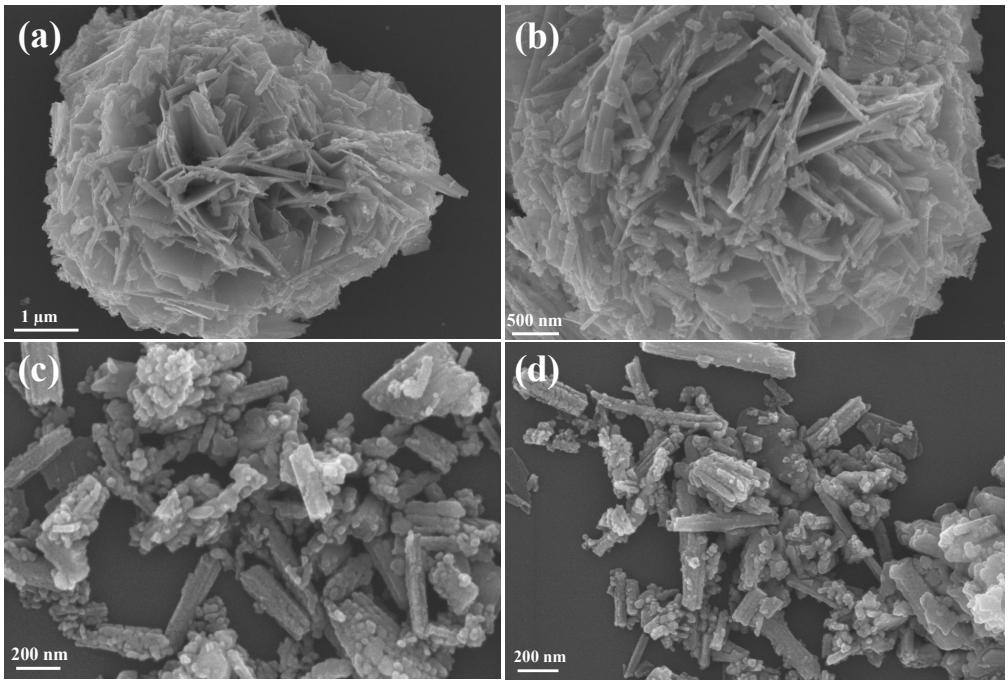

Figure S6. SEM images of (a,b) Co-0.2Fe-350, (c,d) Co-0.2Fe-600.

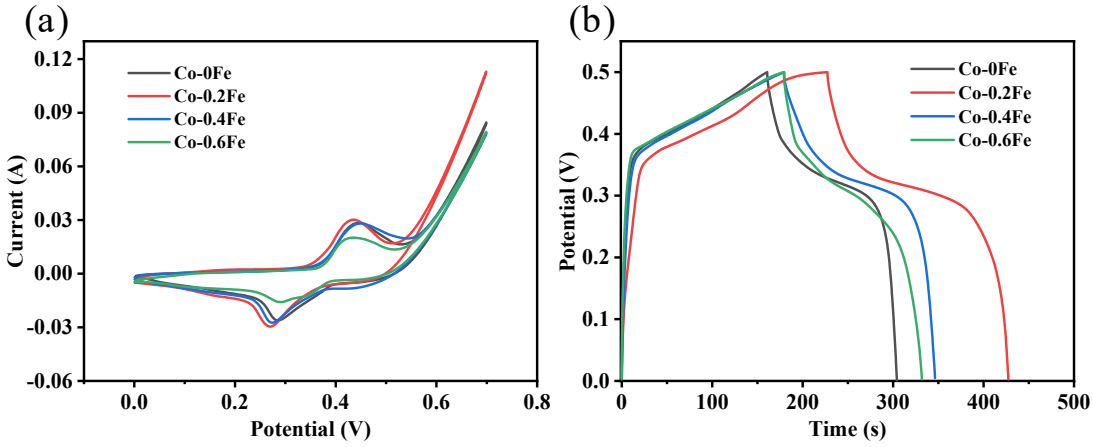

Figure S7. Co-0Fe, Co-0.2Fe, Co-0.4Fe, Co-0.6Fe with (a) CV curves at 10 mv s^{-1}, (b) GCD curves at 1 A g^{-1} current density.

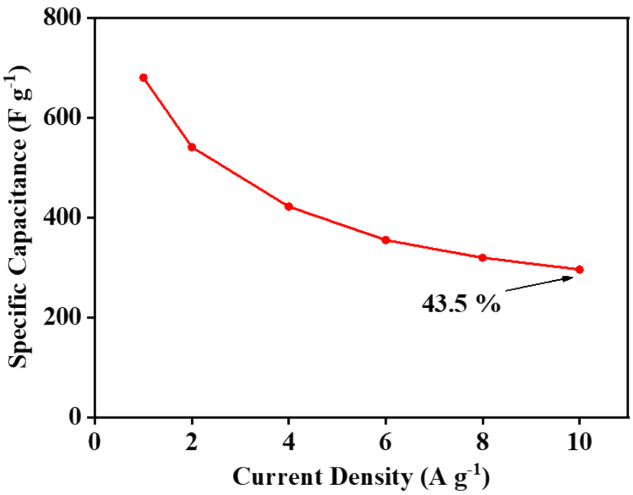

Figure S8. Curve of specific capacitance versus current density.

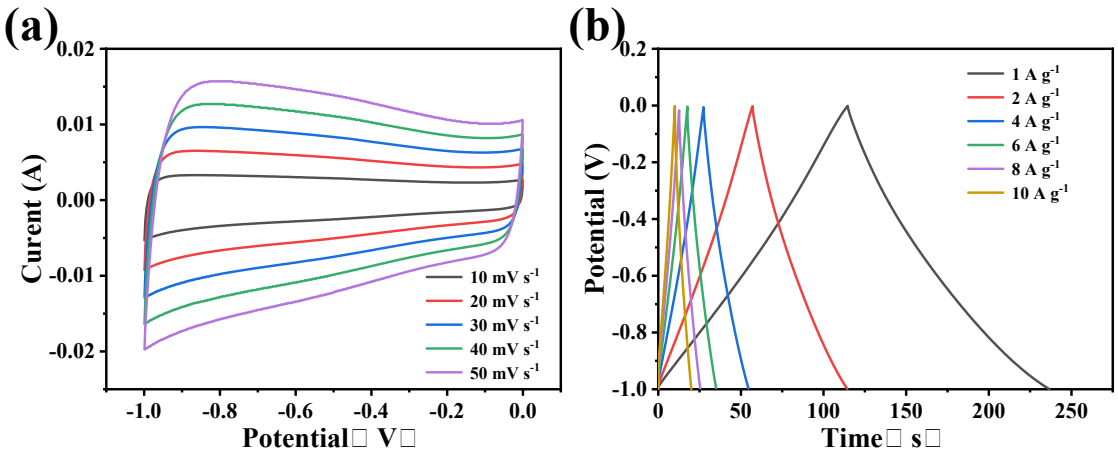

Figure S9. (a) CV curves of AC at different scan rates, (b) GCD profiles of AC at different current densities.

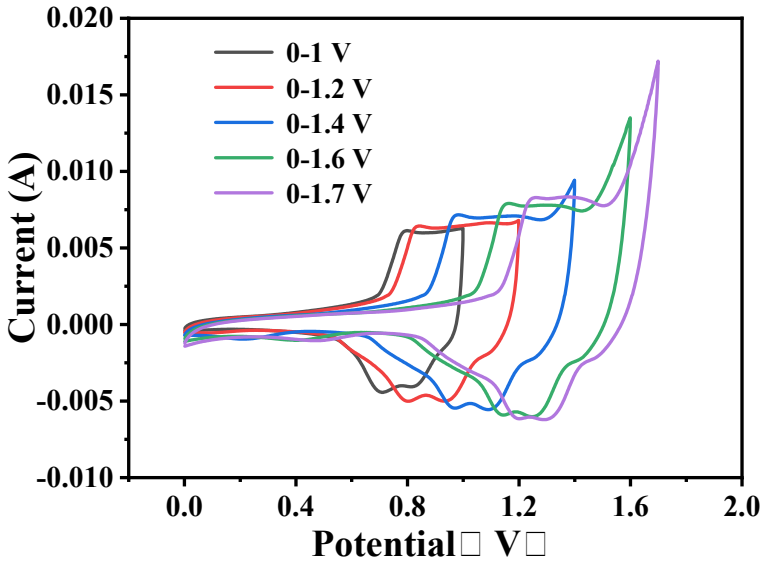

Figure S10. CV curves of Co-0.2Fe-450 //AC at 20 mv s^{-1} for different voltage windows.

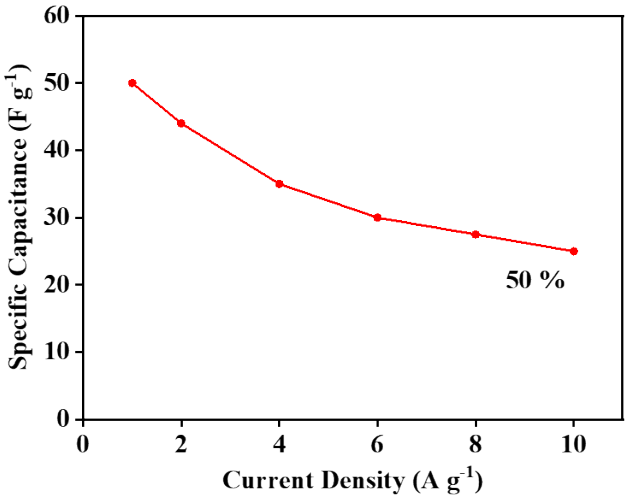

Figure S11. Curve of specific capacitance versus current density.