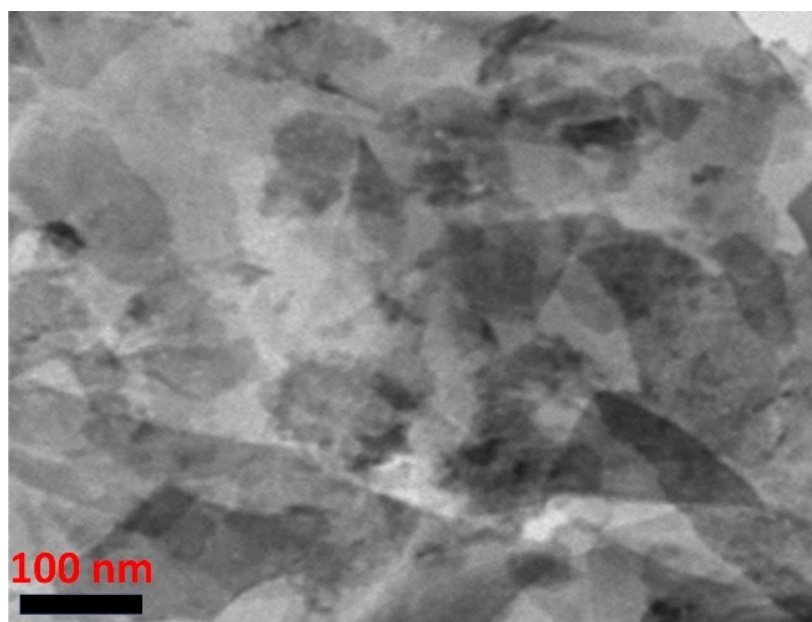


Structure-engineering of core-shell $\text{ZnCo}_2\text{O}_4@\text{NiO}$ composites for high-performance asymmetric supercapacitors

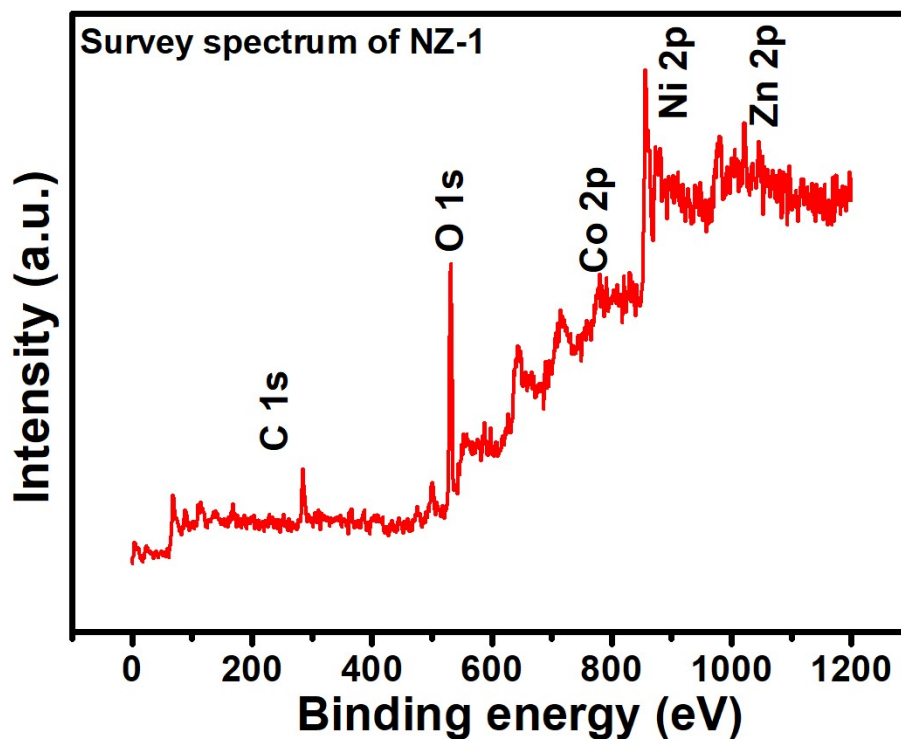
Gokul P. Kamble^a, Akash S. Rasal^{a,b}, Jia-Yaw Chang^b, Sanjay S. Kolekar^c, Shivaji N. Tayade^d, and Anil V. Ghule^{a*}



Supporting Information

Fig. S1- Representative TEM image of NZ-1.

Fig. S2- Representative XPS survey spectrum of NZ-1.



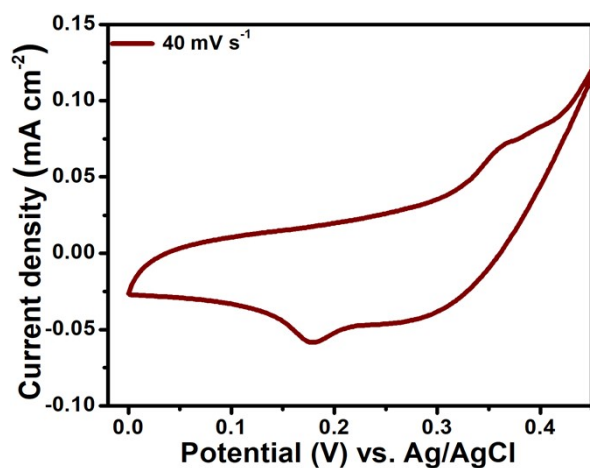


Fig. S3- CV curve of ZnCo_2O_4 at 40 mV s^{-1} .

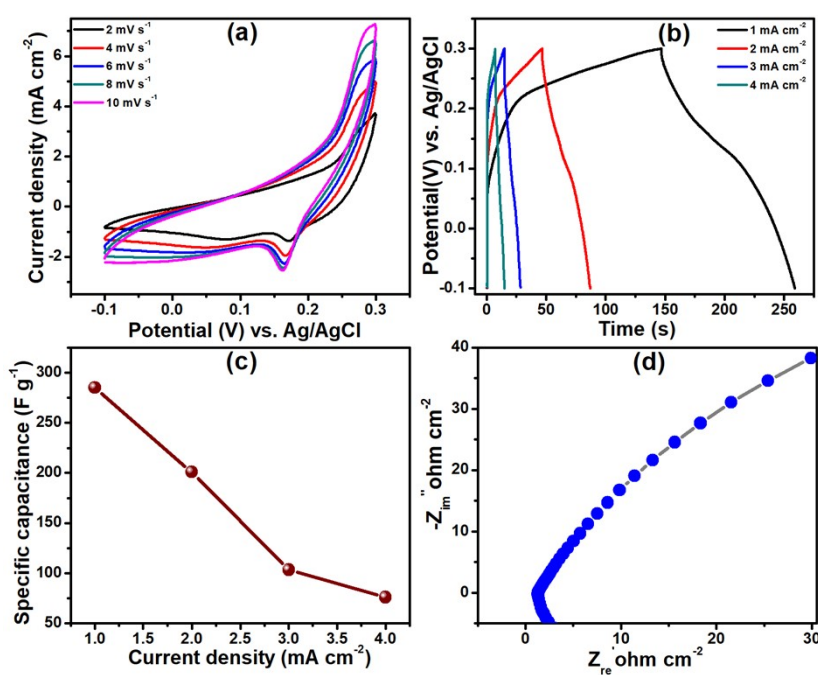
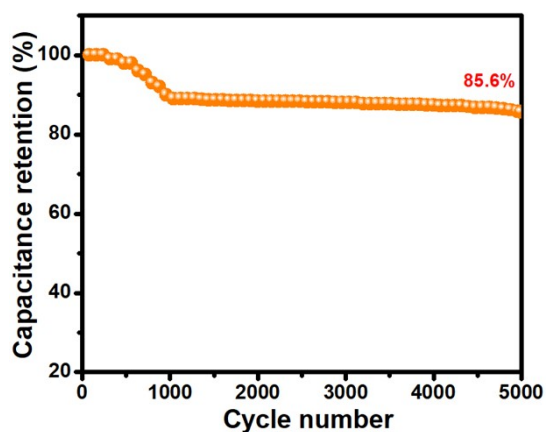


Fig. S4- Representative (a) CV curves (b) GCD curves (c) Graph of specific capacitance measured at different current densities (d) Nyquist plot of NiO

Fig. S5 Cycling stability curve of NZ-1 at a current density of 10 mA cm^{-2}



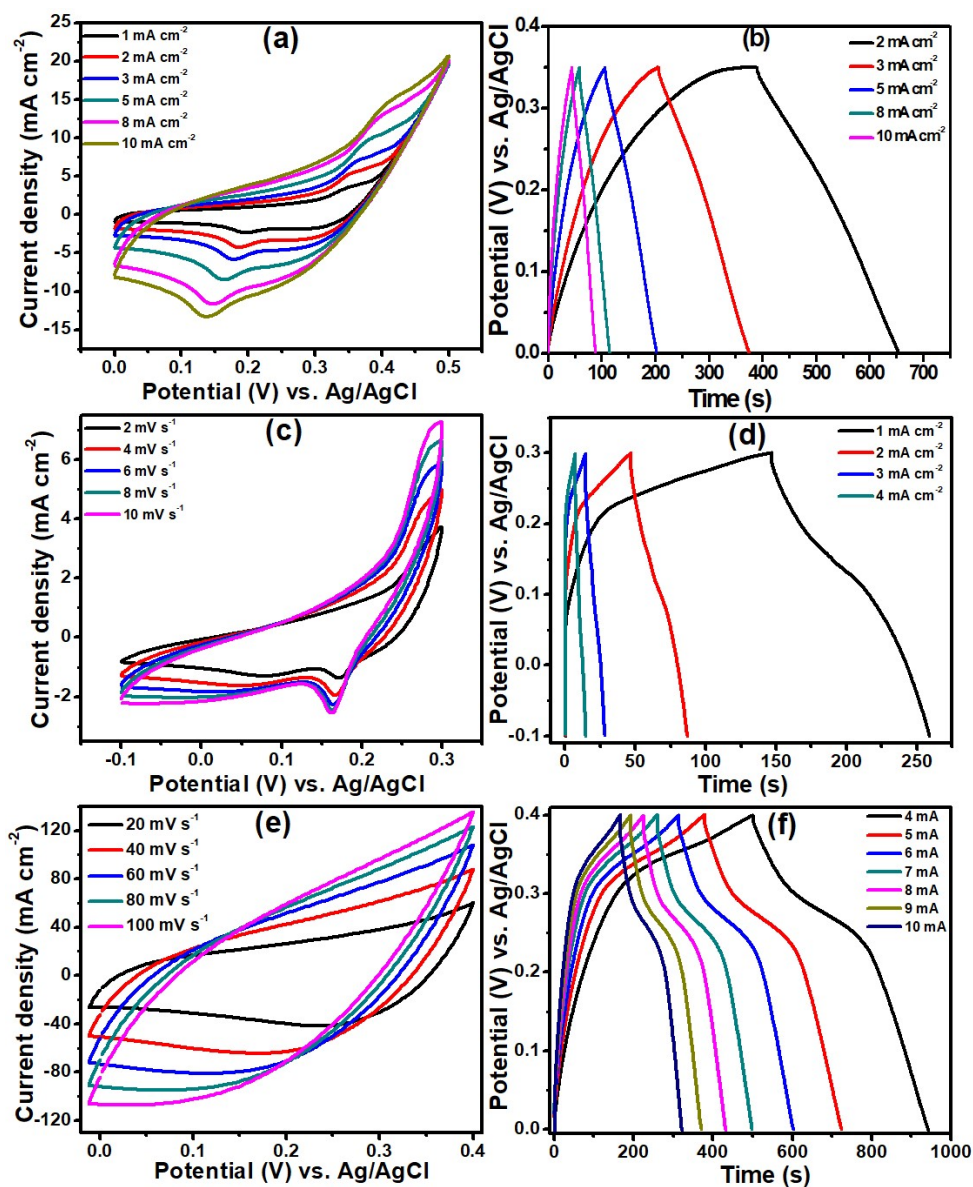


Fig. S6 Representative CV curves (a, c, e) and GCD curves (b, d, f) of ZCO, NiO and NZ-1, respectively.

Table T1. Related energy and power density of ZnCo₂O₄@NiO Composite

Power Density (W kg ⁻¹)	Energy Density (Wh kg ⁻¹)
800	46.66
900	36.50
1000	27.77
1100	22.91
1200	18.66
1400	13.61