

Figure. S1* A particle size distribution histogram determined from the SEM images.

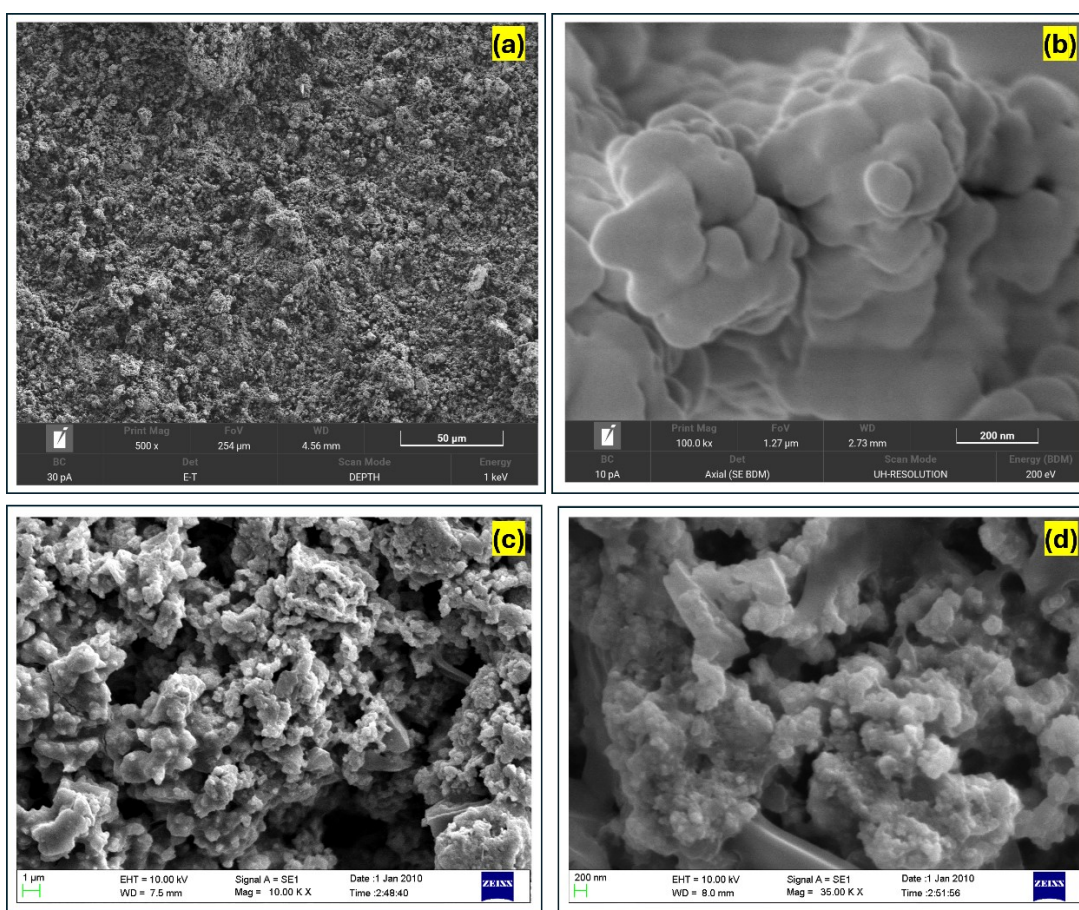


Figure. S2* FE-SEM images of (a) COP at lower resolution, (b) COP at higher resolution, (c) Mn₂O₃@COP at lower resolution, (d) Mn₂O₃@COP at higher resolution

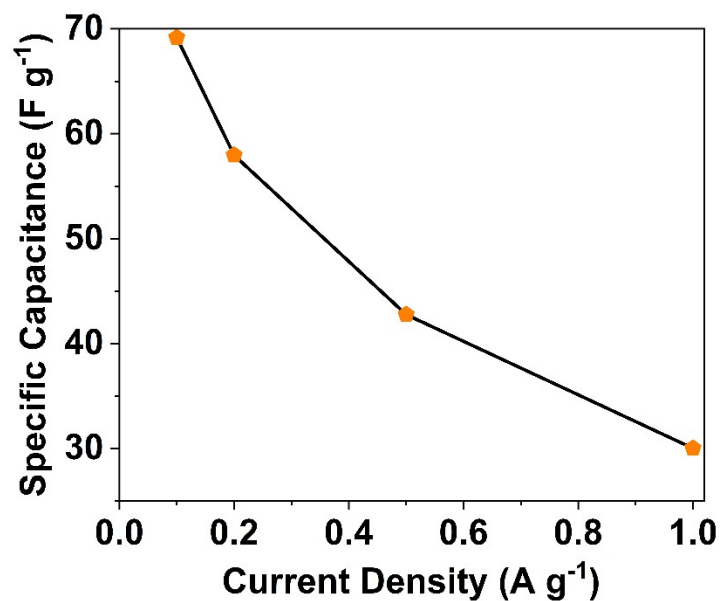


Figure. S3* Variation of specific capacitance with respect to current density of $\text{Mn}_2\text{O}_3@\text{COP}$ electrode in 3 electrode system with 1M H_2SO_4 electrolyte

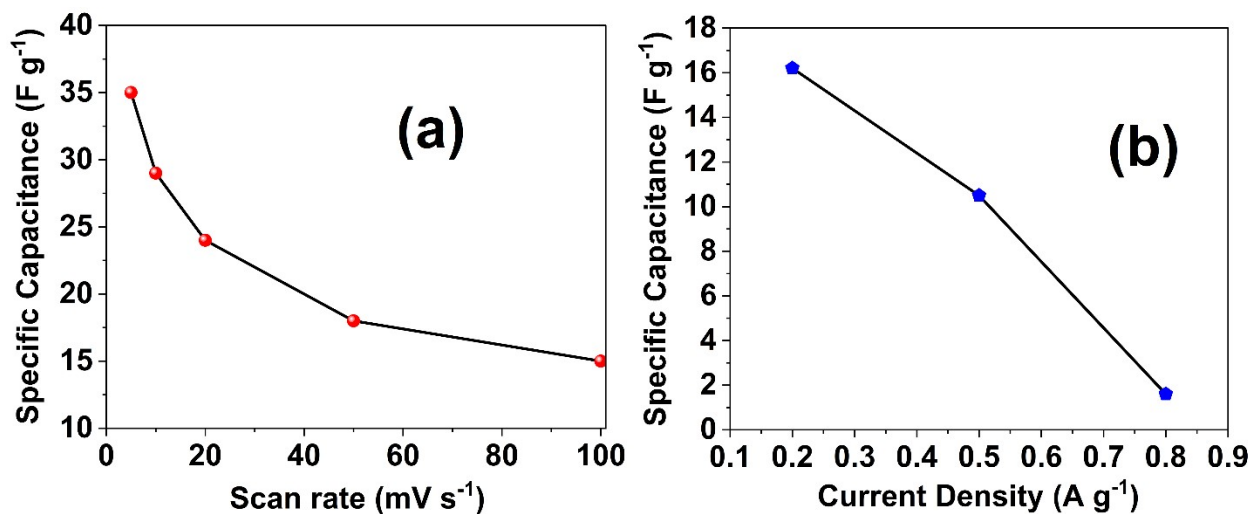


Figure. S4* (a) specific capacitance at various scan rates, (b) specific capacitance at various current densities.