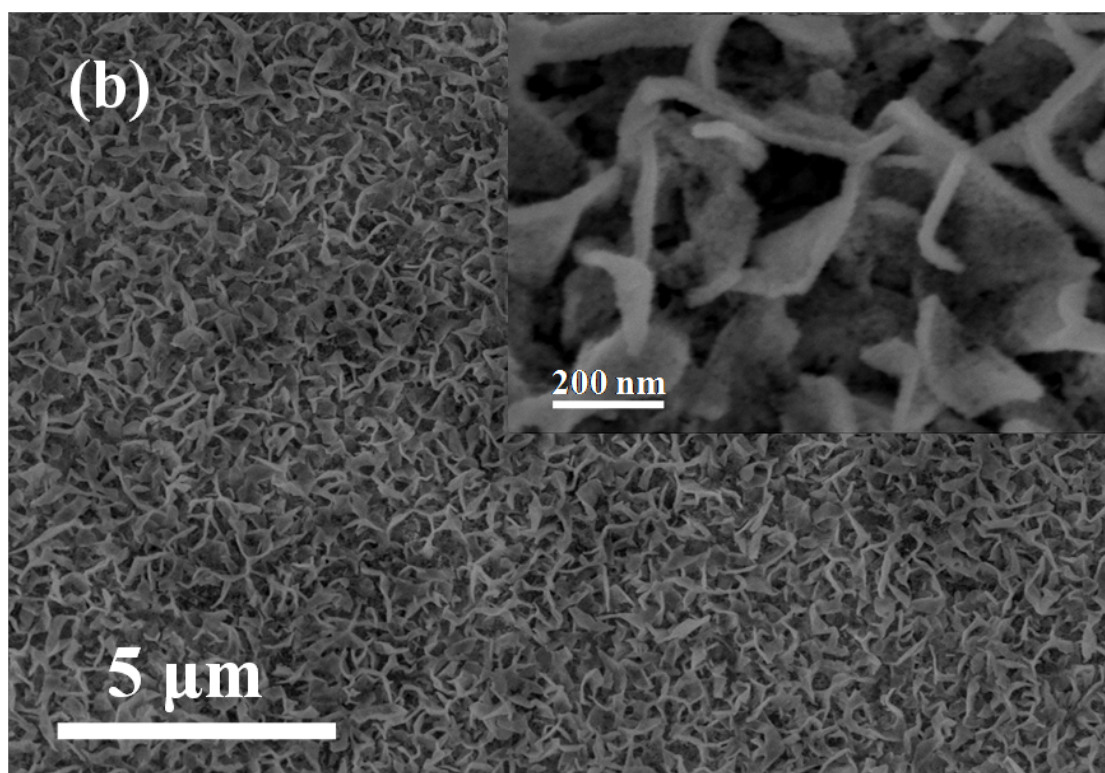
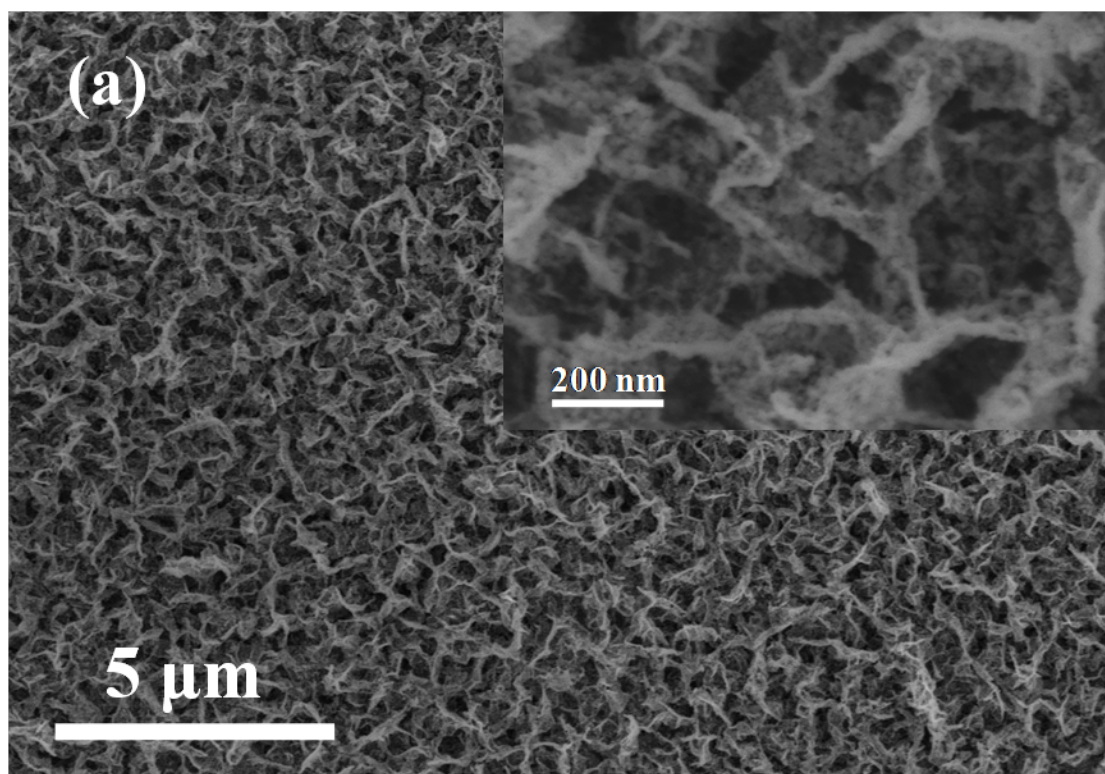


Supporting information

Figure S1. (a) Low- and high-resolution SEM images of MnO-37% (b) Low- and high-resolution SEM images of MnO-80%, (c) TEM image of MnO-37%..

Figure S2. (a,b,c) CVs of (a)VAGN, (b)MnO-37% and (c)MnO-80% electrodes at scan rates from 2 mV s^{-1} to 200 mVs^{-1} , (d) CVs of various VAGN/MnO composites at rate 10 mV s^{-1} , (e) bode phase plots of various VAGN/MnO composites;(f) bode magnitude plots of various VAGN/MnO composites.



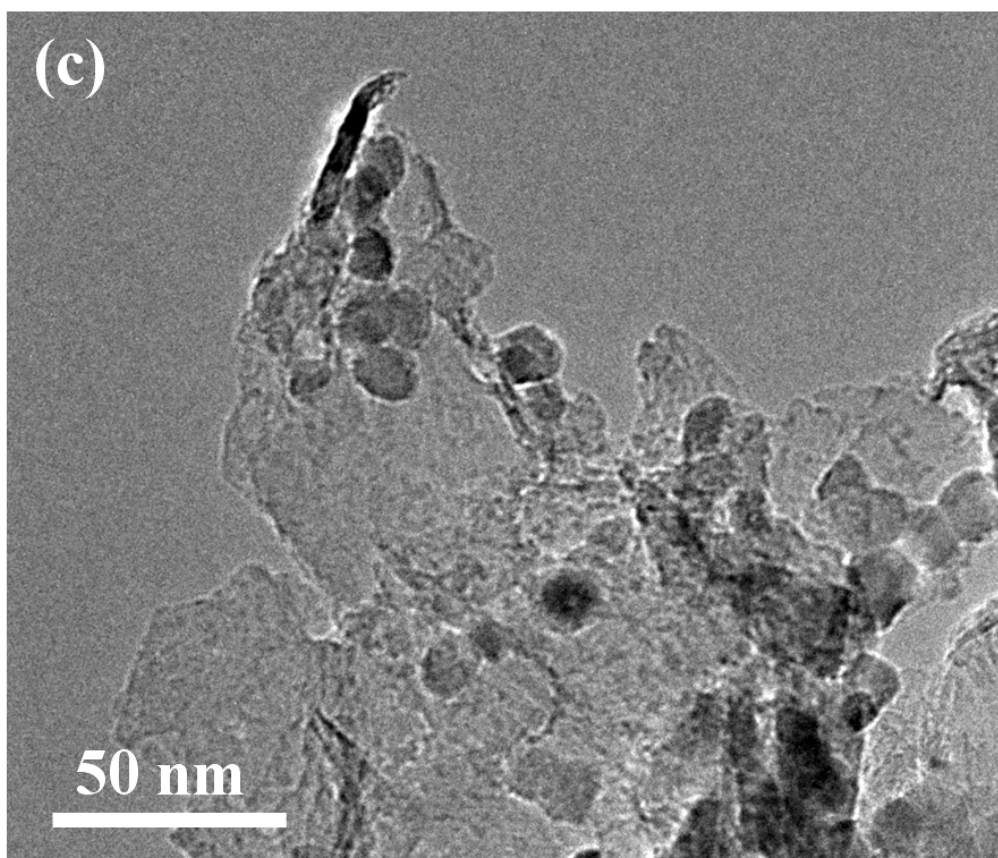
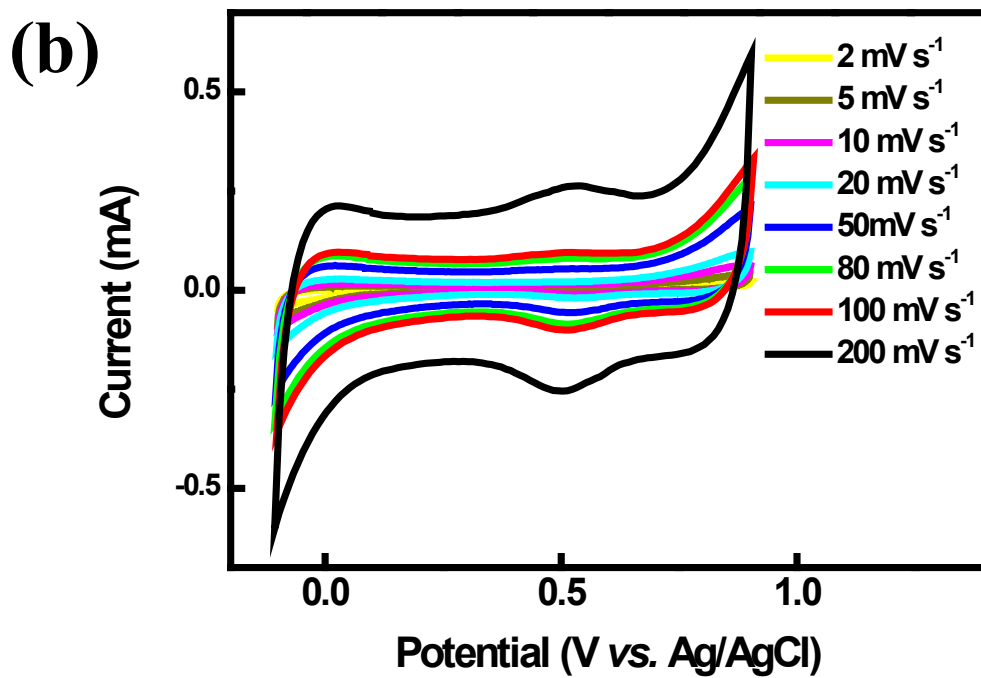
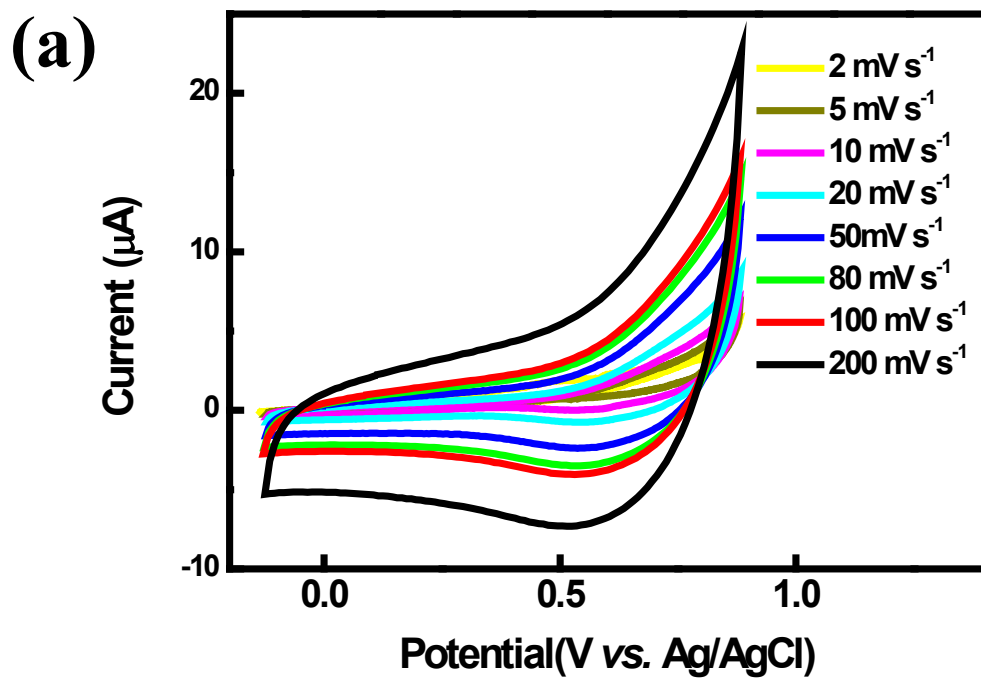
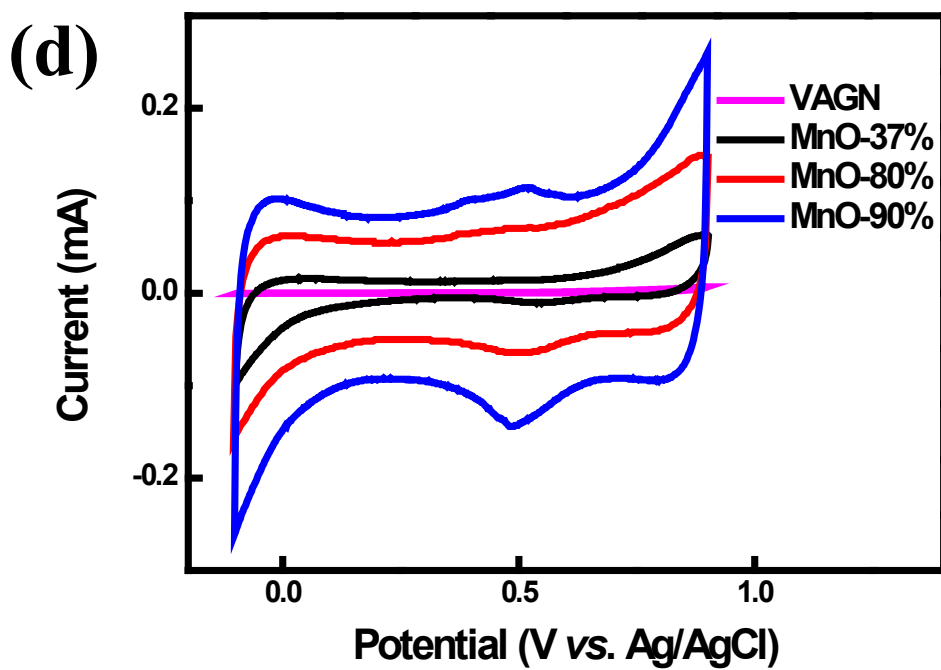
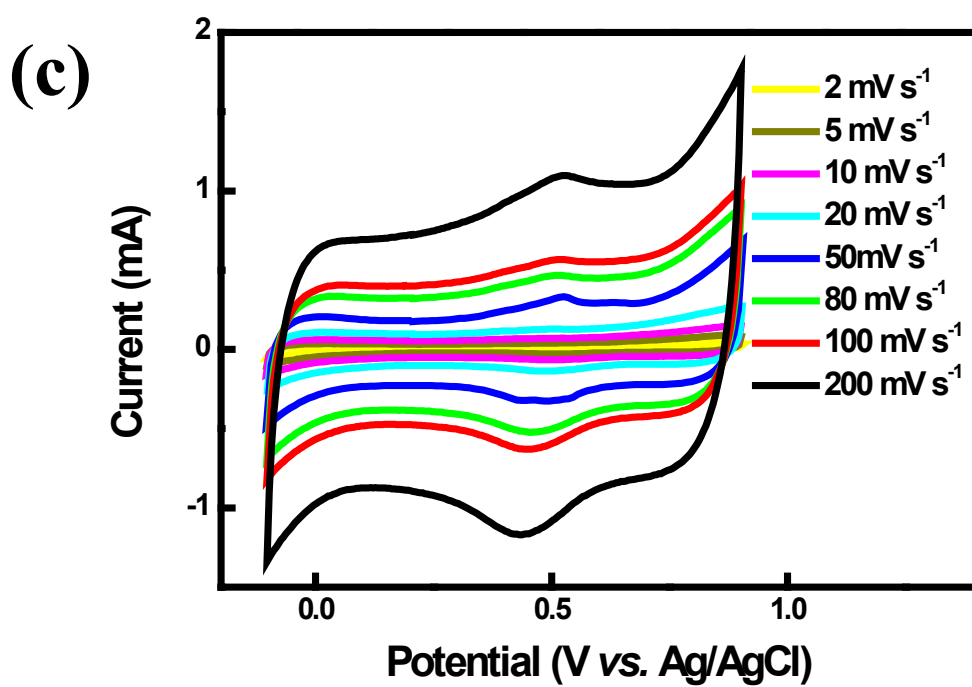


Figure S1





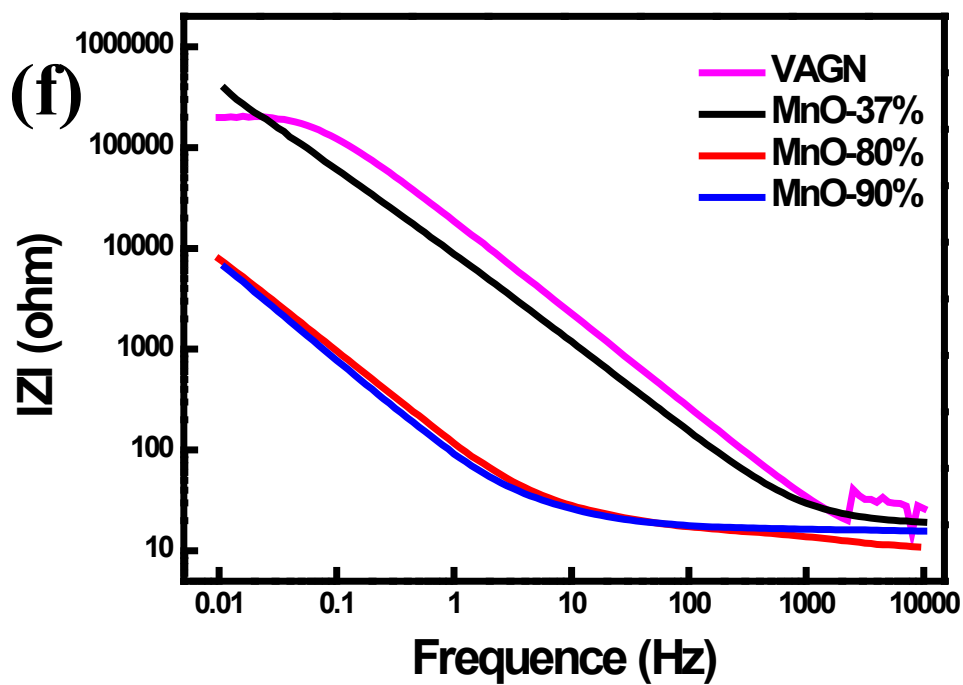
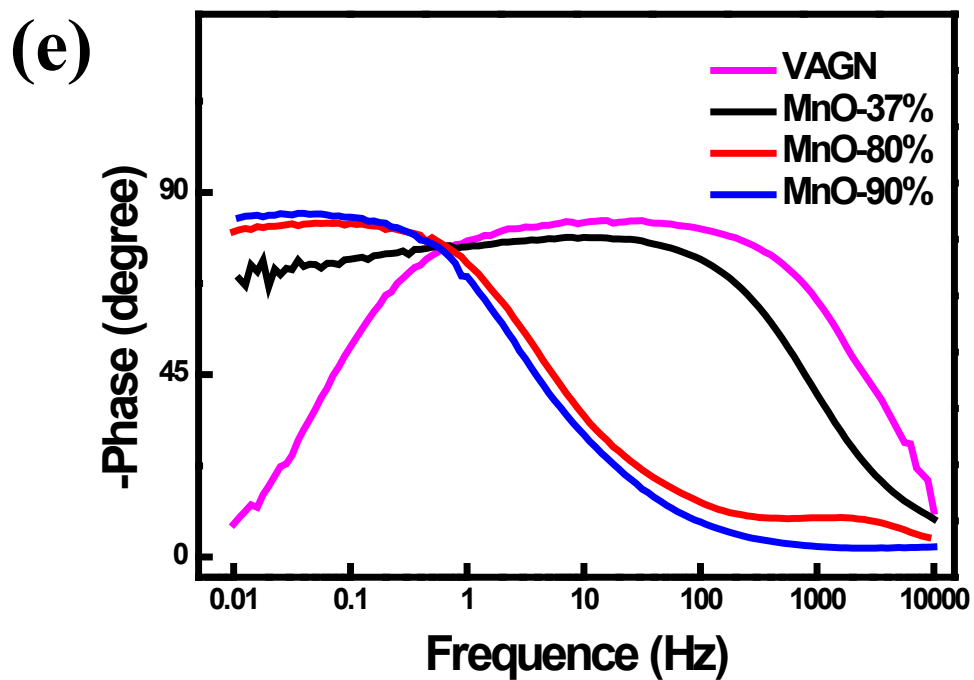


Figure S2