Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supplementary Information

Electrochemical and Electronic Properties of flower like MoS_2 nanostructures in aqueous and ionic liquid medium

*Kavita Pandey, Pankaj Yadav, Indrajit Mukhopadhyay**

School of Solar Energy, Pandit Deendayal Petroleum University, Gandhinagar- 382007, Gujarat, India

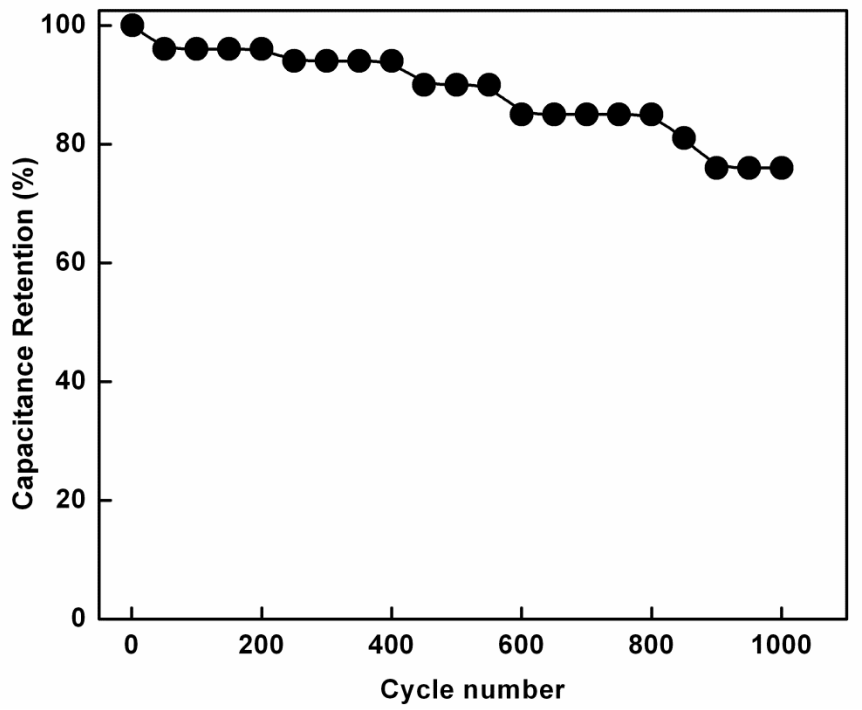

Figure S1. Variation of the specific capacitance of MoS_2 electrode as a function of cycle number measured at 50 mVs^{-1} in aqueous solution.

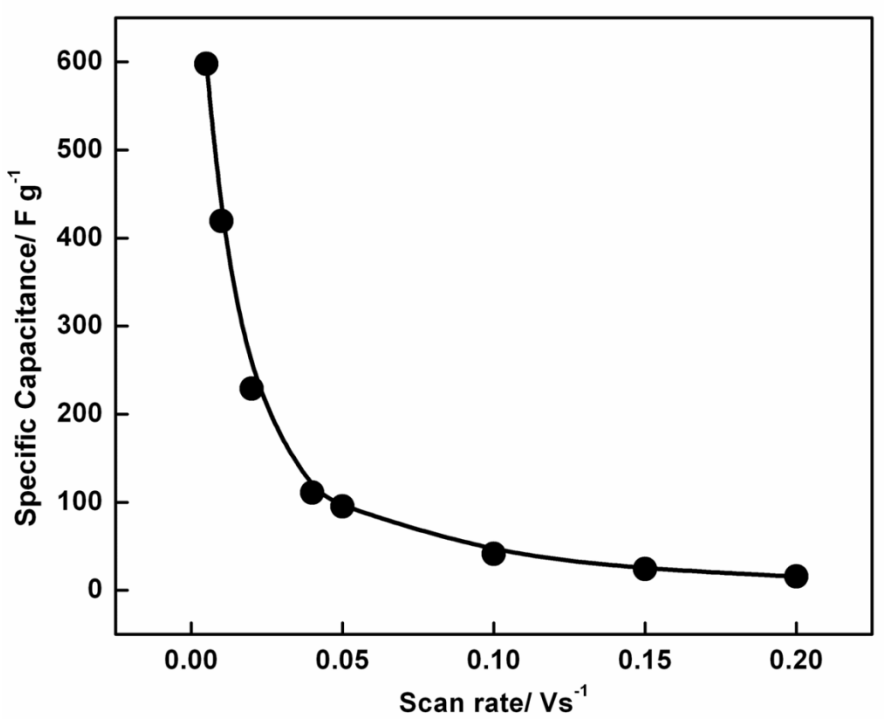

Figure S2. Variation of specific capacitance as a function of scan rate for MoS_2 electrode in IL medium

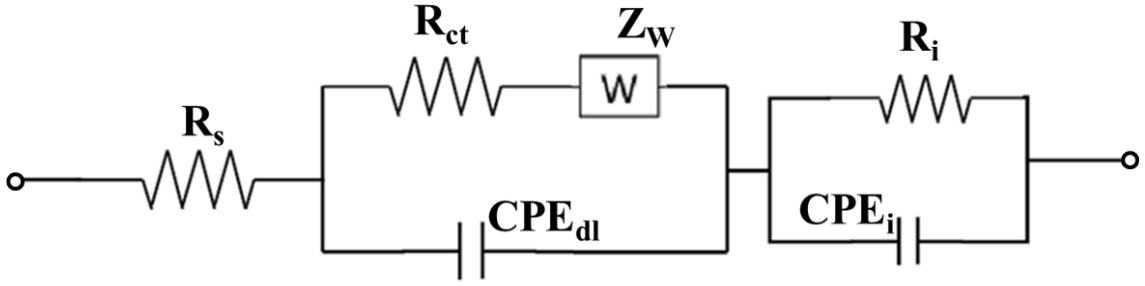

Figure S3. Electrical equivalent circuit employed to fit the impedance spectra obtained for MoS2 electrodes in aqueous and ionic liquid medium at open circuit potential.