

Supporting Information

A binder free synthesis of 1D PANI and 2D MoS₂ nanostructure hybrid composite electrodes by Electrophoretic deposition (EPD) method for supercapacitor application

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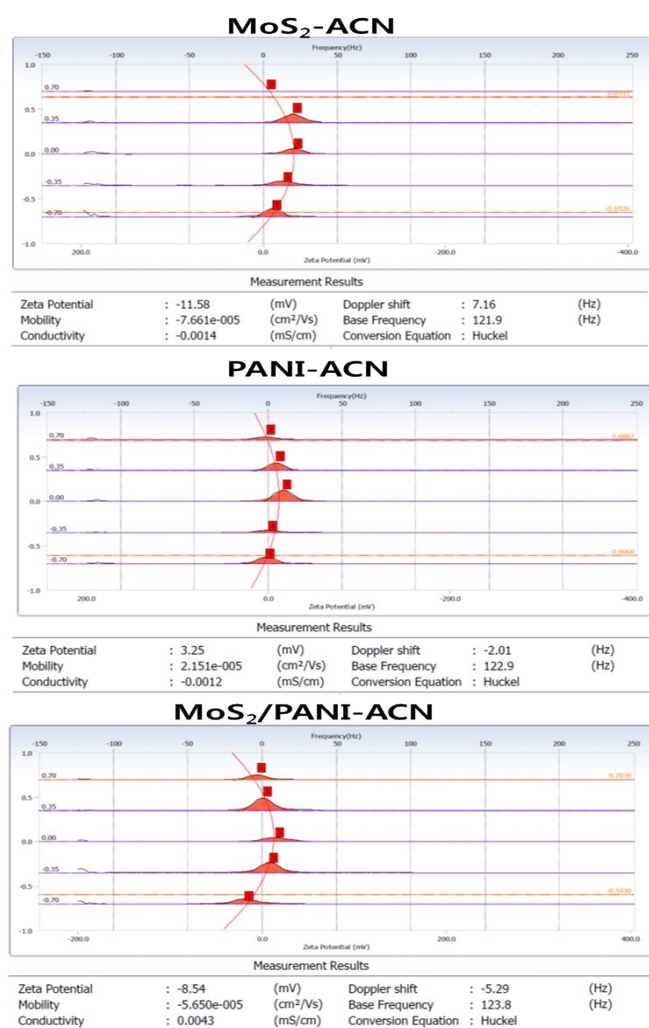


Figure S1 Zeta potential measurement of 2D MoS₂ nanosheets and 1D PANI nanowires in ACN solution.

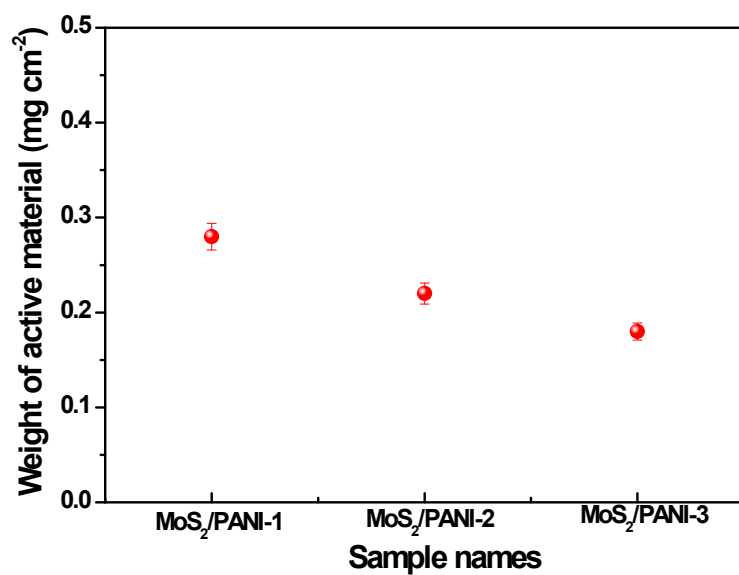


Figure S2 Weight of active materials (with 5% error bar) for different composition of MoS₂/PANI on SS electrode after 20 minute deposition.

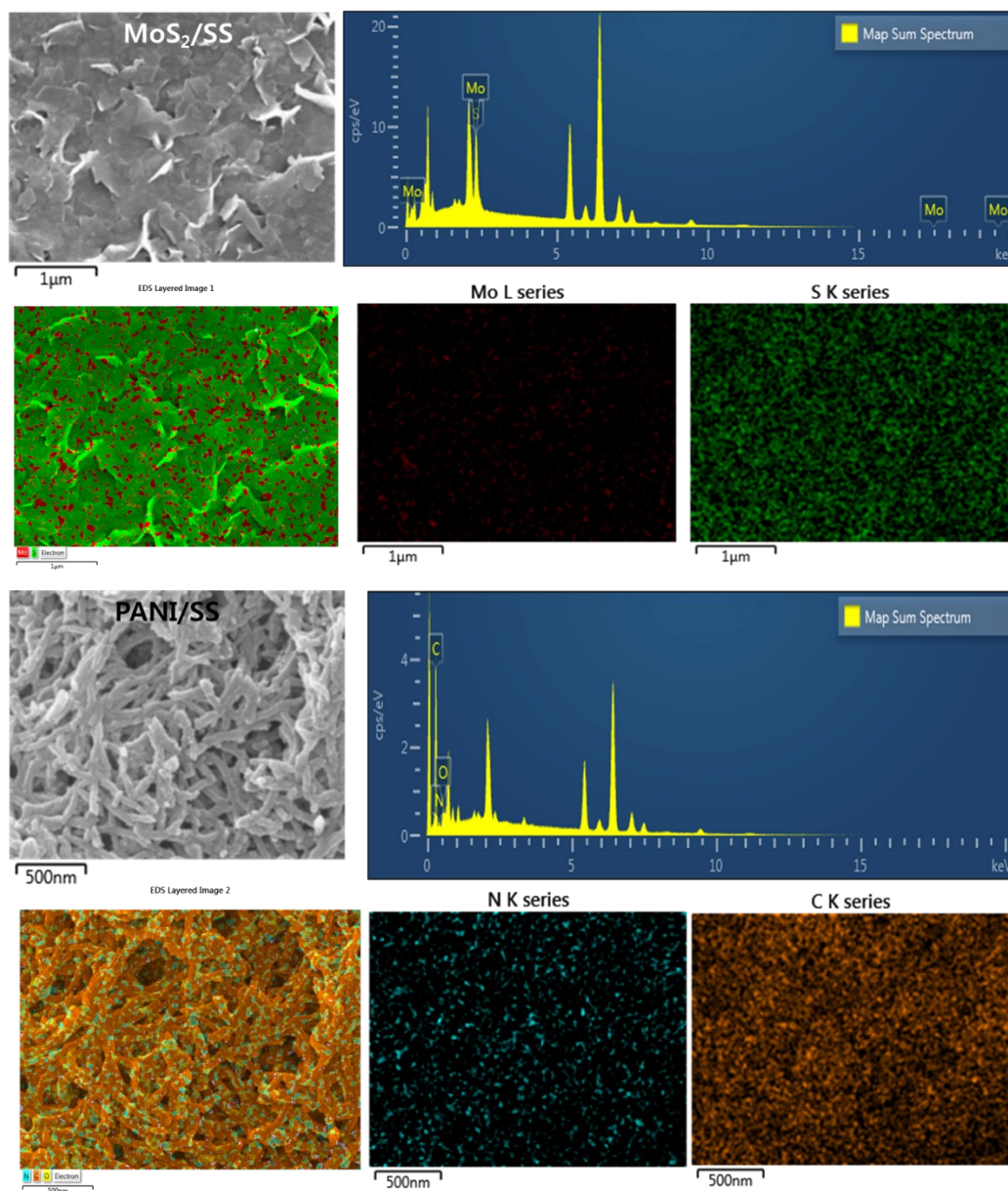


Figure S3 FESEM-EDS mapping analysis of MoS₂/SS and PANI/SS electrodes.

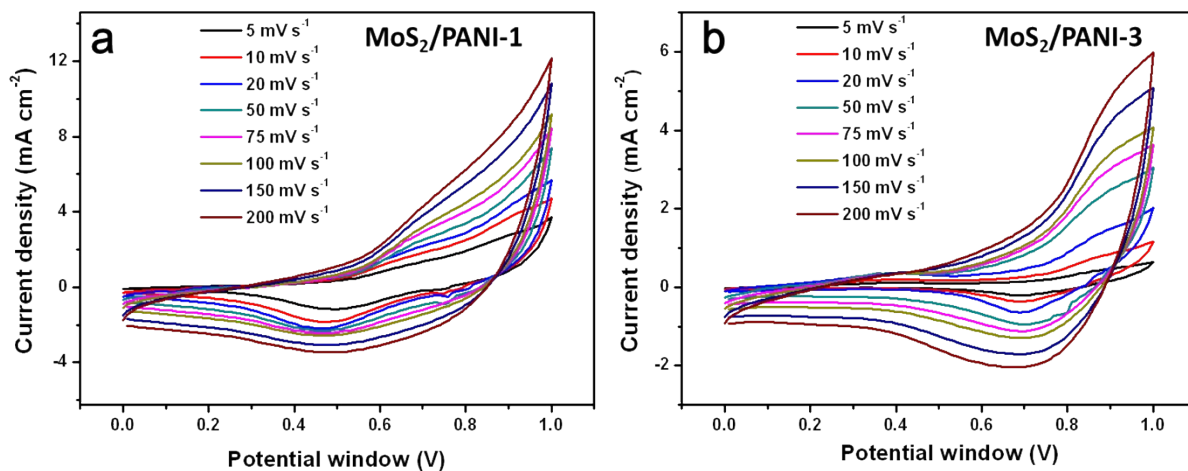


Figure S4 Scan rate dependent (5-200 mV s⁻¹) cyclic voltamograms of MoS₂/PANI-1 and MoS₂/PANI-3 electrodes in 1M Na₂SO₄ electrolyte.