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To form layer by layer composite film in view of its application as supercapacitor electrode by exploiting the techniques of thin films formation just around the corner†

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To form layer by layer composite film in view of its application as supercapacitor electrode by exploiting the techniques of thin films formation just around the corner.†

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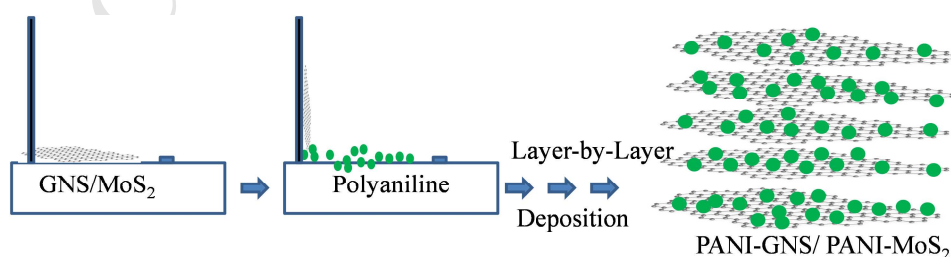
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A novel, facile, single step process is described for growing highly uniform polyaniline (PANI) nanoparticulate thin film containing highly uniform nanoparticulate size of 5 to 15 nm by using modified LLIRT. Also a one step method is discussed to form a composite of polyaniline with 2D graphene nano sheets (GNS) and MoS₂ to form robust supercapacitors by using Layer by Layer deposition technique. PANI-GNS and PANI-MoS₂ thin films showed excellent charge storage performance and cyclic stability in acidic medium.



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