Electronic Supplementary Information

Figure S1. Scanning Electron Microcoscopy image of the product $Li_{0.6}MoS_2(PAN)_{1.2}$ showing the lamellar nature of the product.

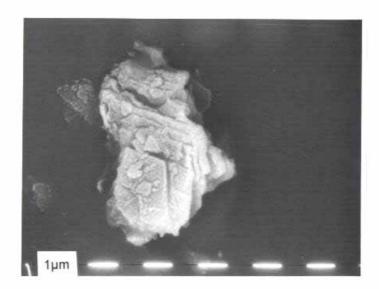


Figure S2. 7 Li MAS-NMR spectrum of the nanocomposite Li_{0.6}MoS₂(PAN)_{1.2} measured using LiCl as external standard. Only one symmetric, narrow signal is observed pointing to the presence an unique lithium species in the product.

