

## Molybdenum disulfide nanocomposites. A new method for the intercalation of organic and organometallic species

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A new method for the synthesis of MoS<sub>2</sub>-electron pair donor nanocomposites based on the reaction of LiMoS<sub>2</sub> with the donor in a dry non-aqueous medium is described. The purity of products as well as the intercalation efficiency and versatility of the method, tested for the intercalation of styrene, ferrocene, poly(ethylene oxide) and poly(acrylonitrile), may be ascribed to the activation of the MoS<sub>2</sub>-matrix by lithium intercalation.