Electrical conductivity and lithium diffusion in molybdenum disulfide intercalated with poly(ethylene oxide)

González, G.

Santa Ana, M. A.

Benavente, E.

Donoso, J. P.

Bonagamba, T. J.

Mello, N. C.

Panepucci, H.

Electrical conductivity and lithium diffusion coefficients of nanocomposites prepared by intercalation of molybdenum disulfide with poly(ethylene oxide), Li0.1,MoS2(PEO)?, are informed. The products show a semiconductor behaviour with relatively high electrical conductivity. Lithium diffusion coefficients are higher than those observed for the disulfide alone.