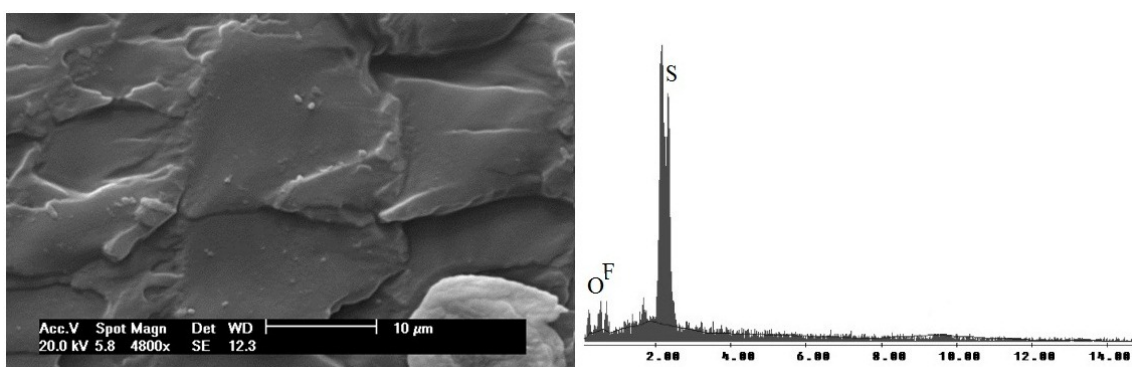


**Support Information for**

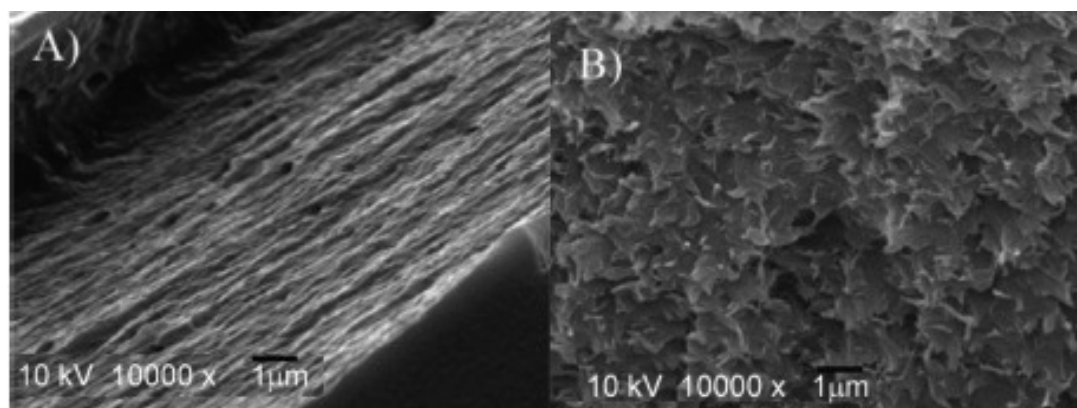
# **Iridium Nanoparticles Supported in Polymeric Membranes: A New Material for Hydrogenation Reactions**

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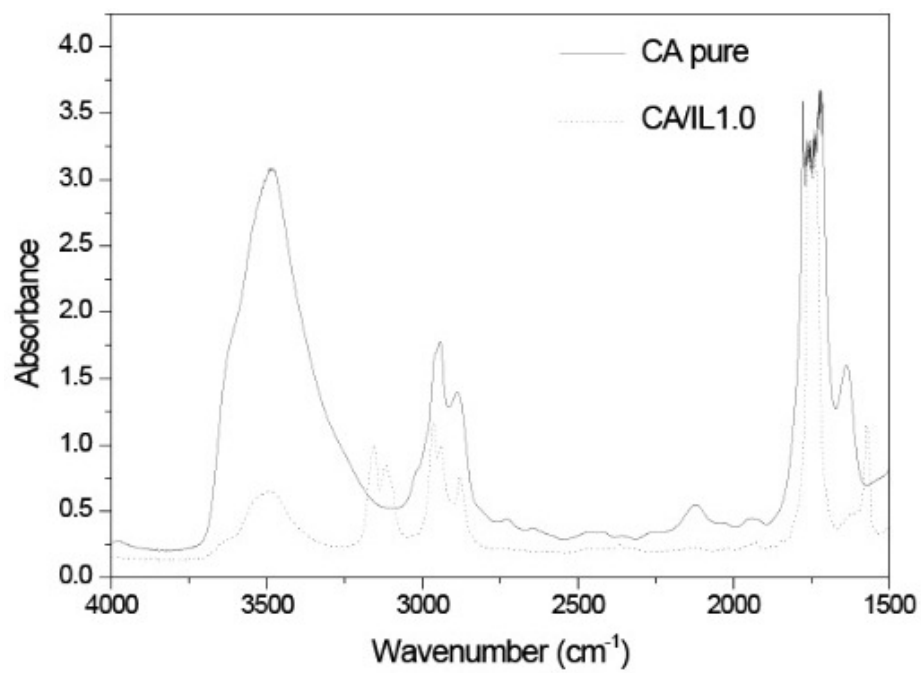
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**Figure S1.** SEM and EDS of CA/IL polymeric membrane with 1.0 g of IL [BMLN(Tf)<sub>2</sub>].



**Figure S2.** SEM micrographs illustrating the polymeric membranes of (A) CA/IL polymeric membrane and (B) pure cellulose (CA).



**Figure S3.** Infrared spectra of the pure cellulose (CA) and CA/IL polymeric membrane, containing 1.0g of IL [BMI.N(Tf)<sub>2</sub>].