

SUPPORTING INFORMATION

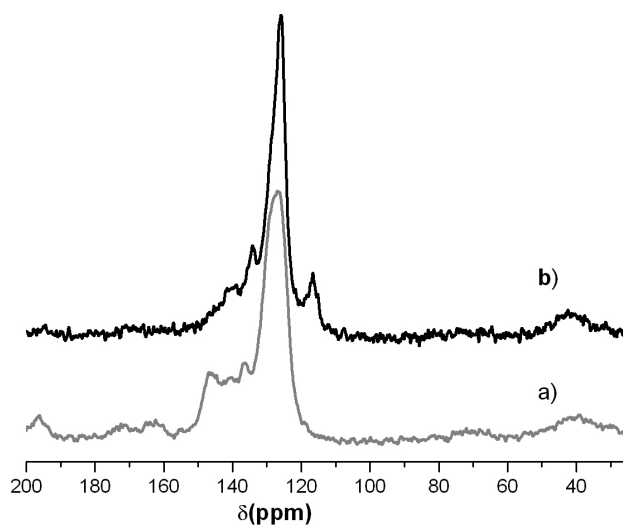


Figure S1 : ^{13}C CP-MAS NMR spectra of the hybrid phases: a) coprecipitated Mg_2Al -VBS and b) 3-DOM Mg_2Al -VBS after thermal treatment at 453K.

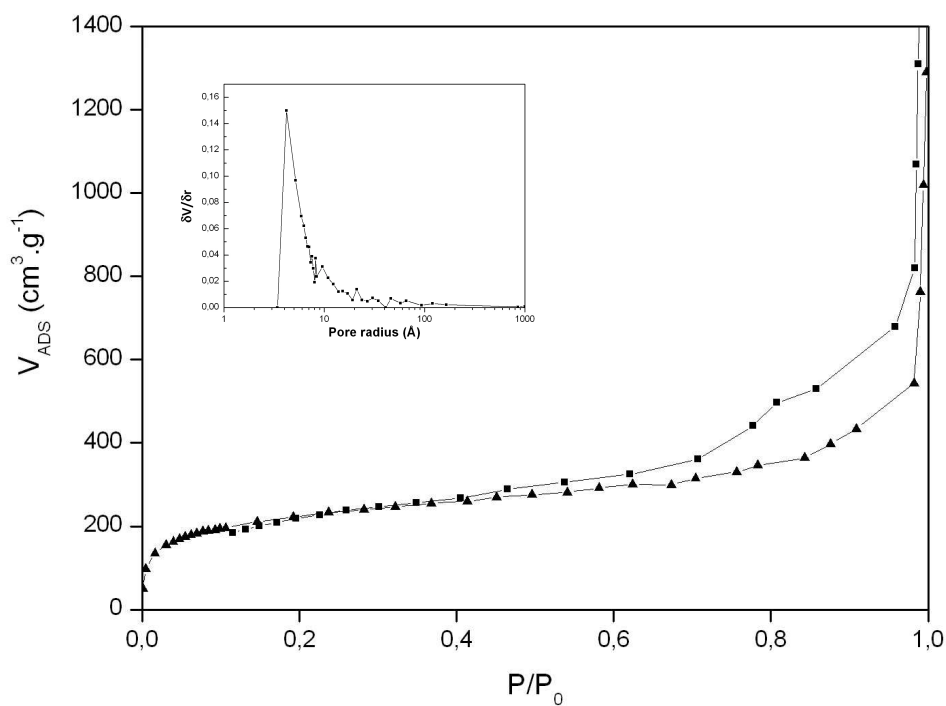
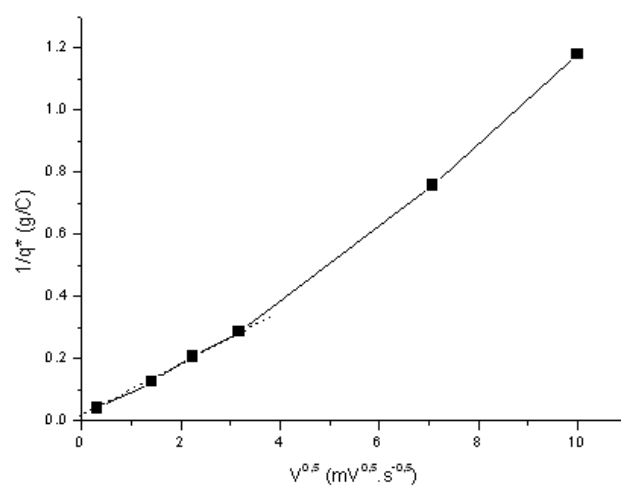


Figure S2: a) N_2 adsorption-desorption isotherm and pore size distribution for C-carbon, obtained after carbonization and demineralization procedure on coprecipitated Mg_2Al -VBSp.

a)



b)

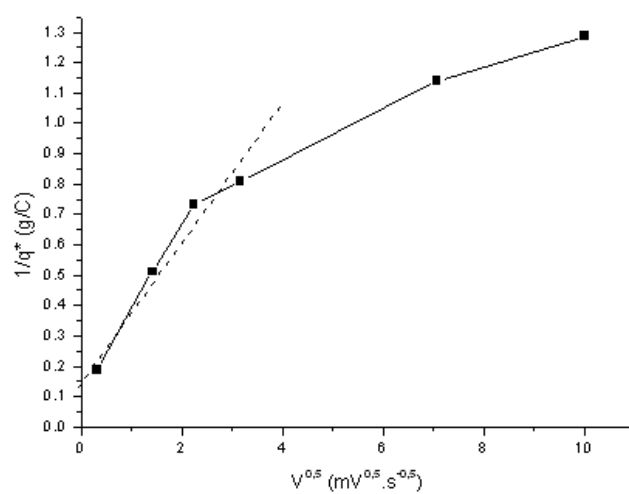
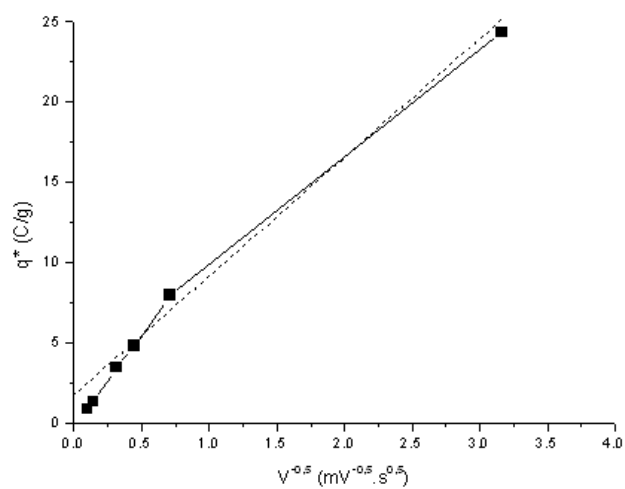


Figure S3: Variation of the voltammetric charge q^* with respect to the sweep rate v , expressed as q^{*-1} versus $v^{1/2}$ for a) C-carbon and b) 3-DOM carbon.

a)



b)

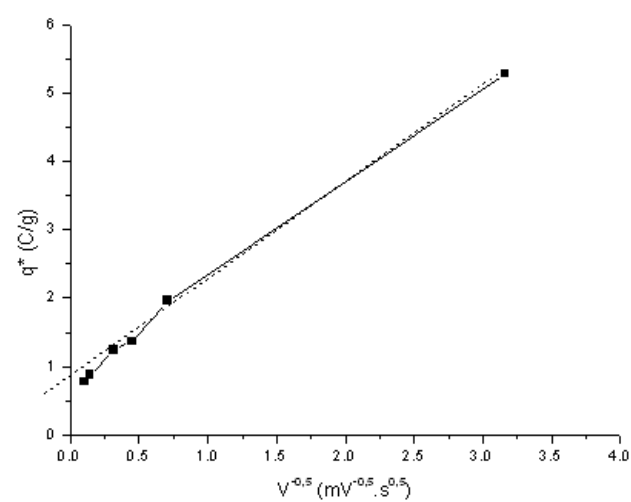


Figure S4: Variation of the voltammetric charge q^* with respect to the sweep rate v , expressed as q^* versus $v^{-1/2}$ for a) C-carbon and b) 3-DOM carbon.