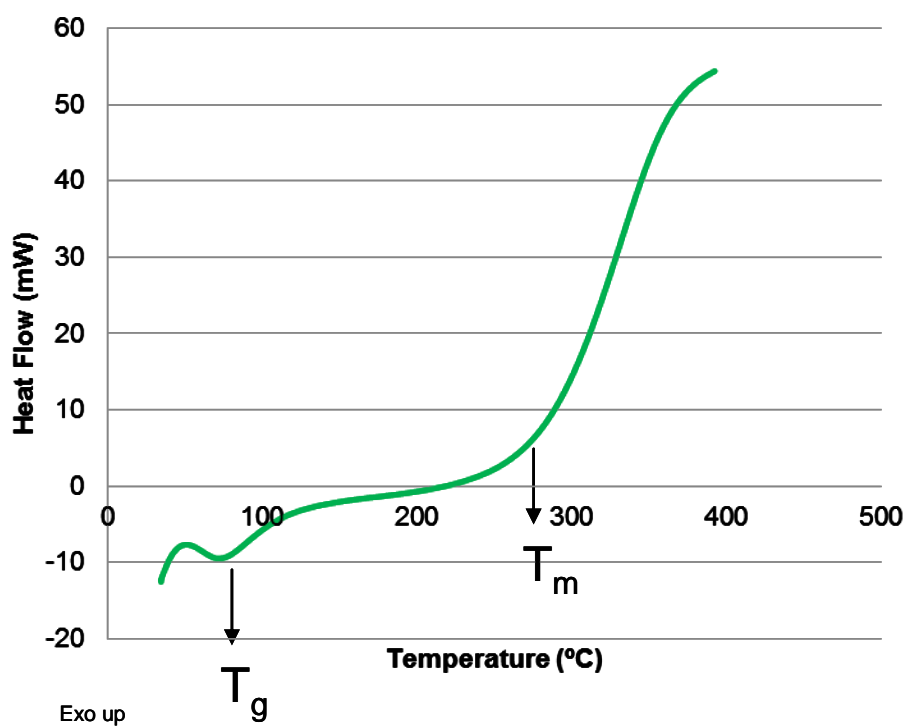
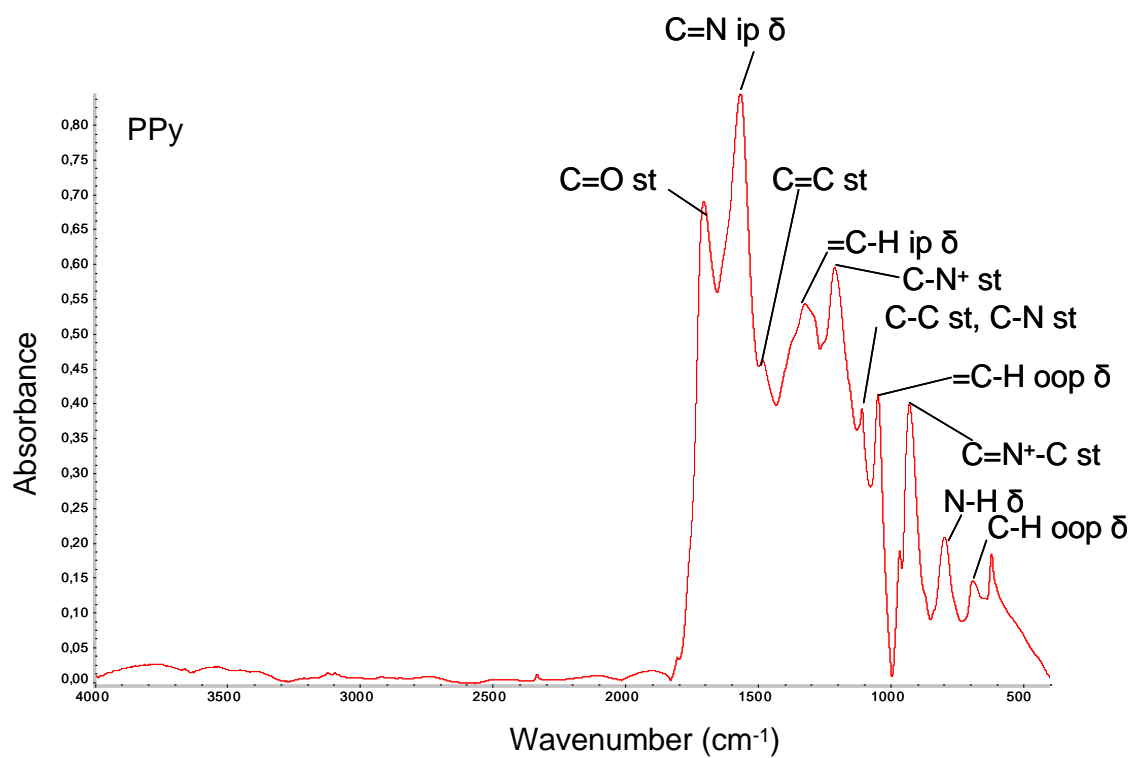


Supplementary information. Fig. 1. XRD patterns of: (a) chemically synthesized polypyrrole; (b) polypyrrole impregnated with H_2PtCl_6 ; (c-e) polypyrrole impregnated with H_2PtCl_6 and treated with Ar plasma 10 min x 6 times at 100, 150 and 200 W; (f) polypyrrole impregnated with H_2PtCl_6 and treated with NaBH_4 .



Supplementary information. Fig. 2. DSC profile (N_2 , second run) of chemically synthesized polypyrrole with $FeCl_3$ as oxidant.



Supplementary information. Fig. 3. FTIR spectrum of chemically synthesized polypyrrole with FeCl₃ as oxidant.