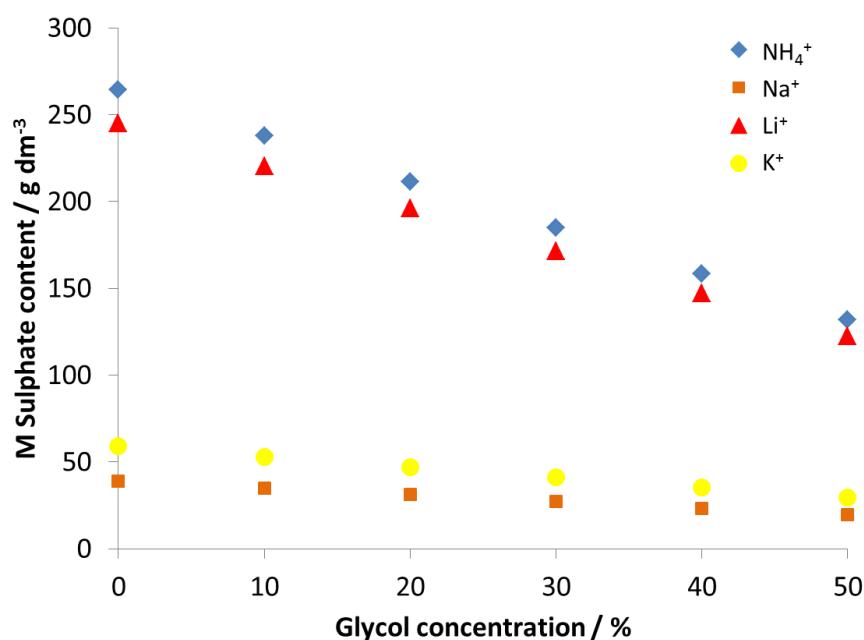
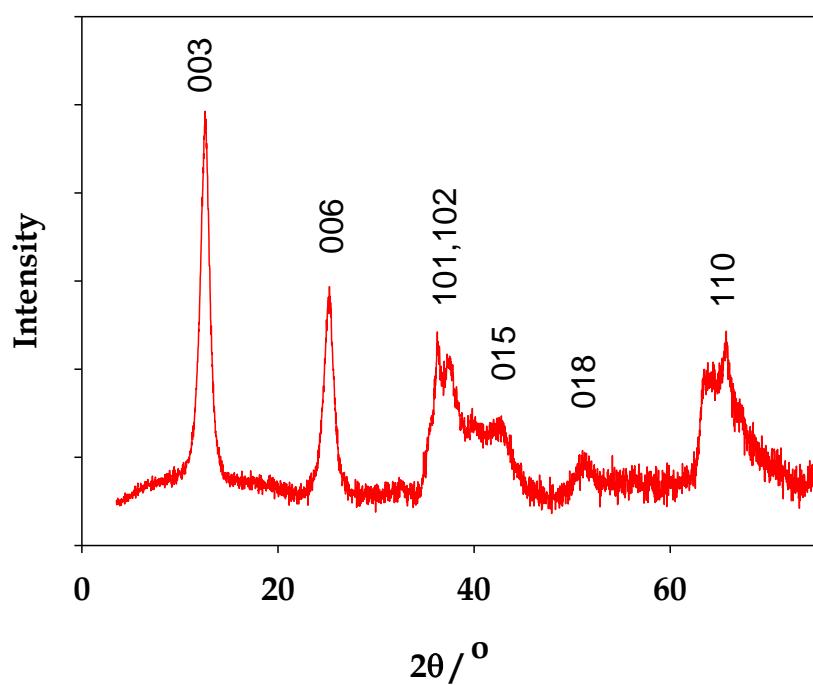


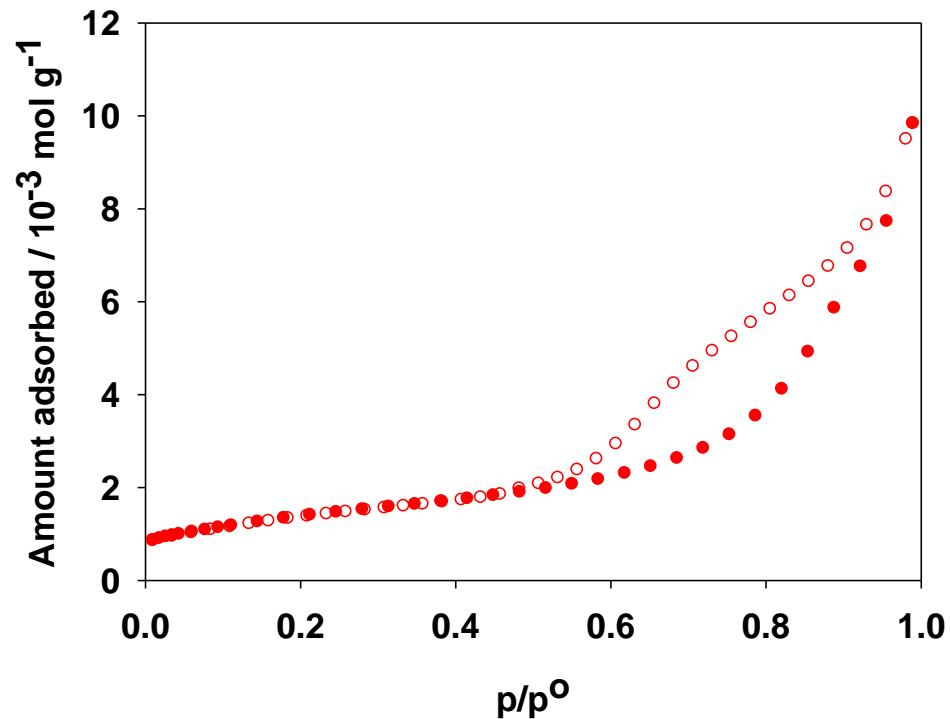
## Electronic supplementary information (ESI)



**Fig. ESI01.** Variation in electrolyte concentration with ethylene glycol addition.



**Fig. ESI02.** Powder XRD profile of MnO<sub>2</sub> birnessite.



**Fig. ESI03.** N<sub>2</sub> sorption isotherm at 77K of MnO<sub>2</sub> birnessite.