

Fig. S1: SEM micrographs of the PMCNa-6 hybrid hydrogel after the sorption of Ni<sup>2+</sup> from the 20 ppm initially concentrated nickel solution.



Fig. S2: The Scatchard plots of investigated samples.



Fig. S3: The dependences  $q_t vs. t^{1/2}$  for PMANa, CSNa and PMCNa-6.