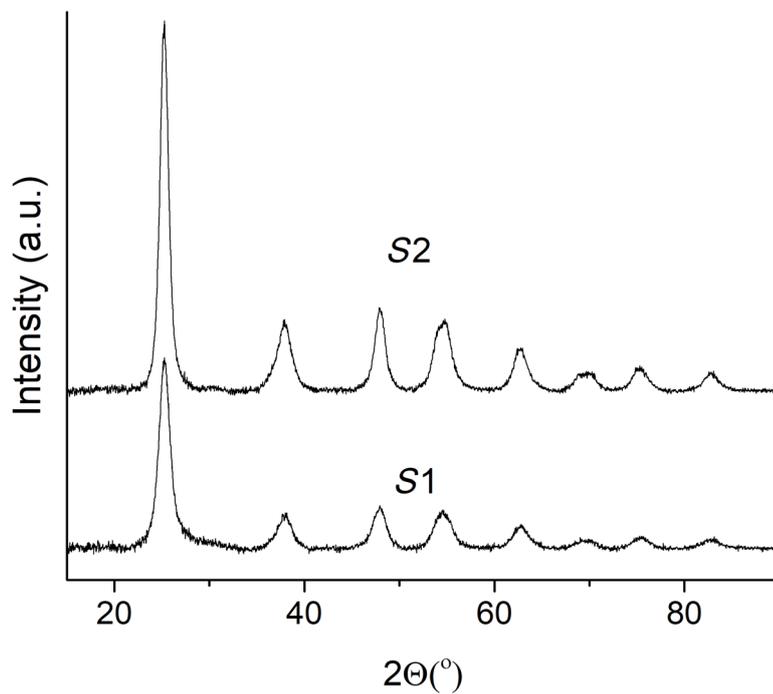
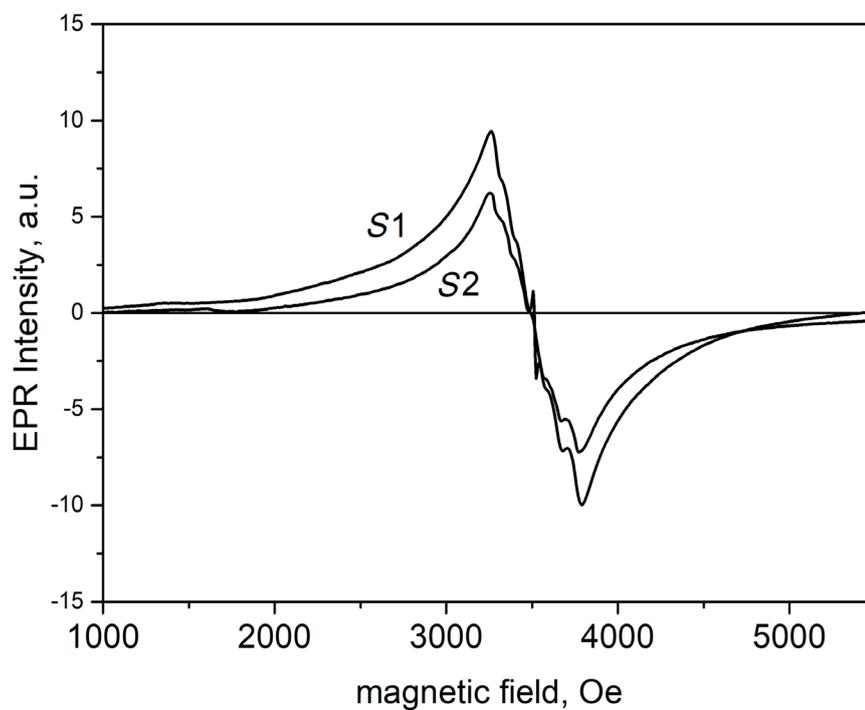


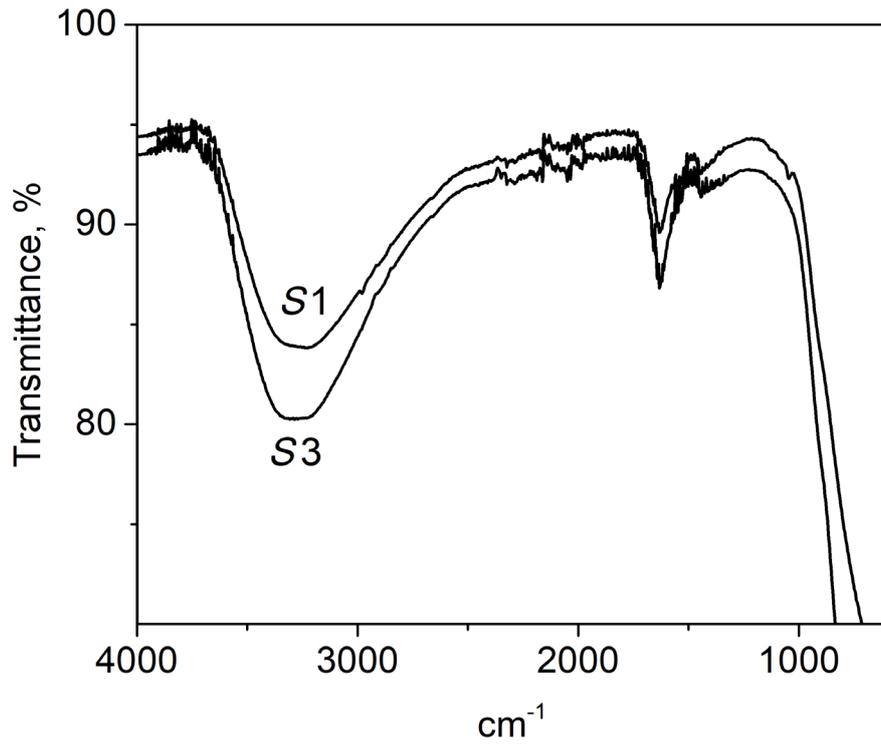
## Supplementary material



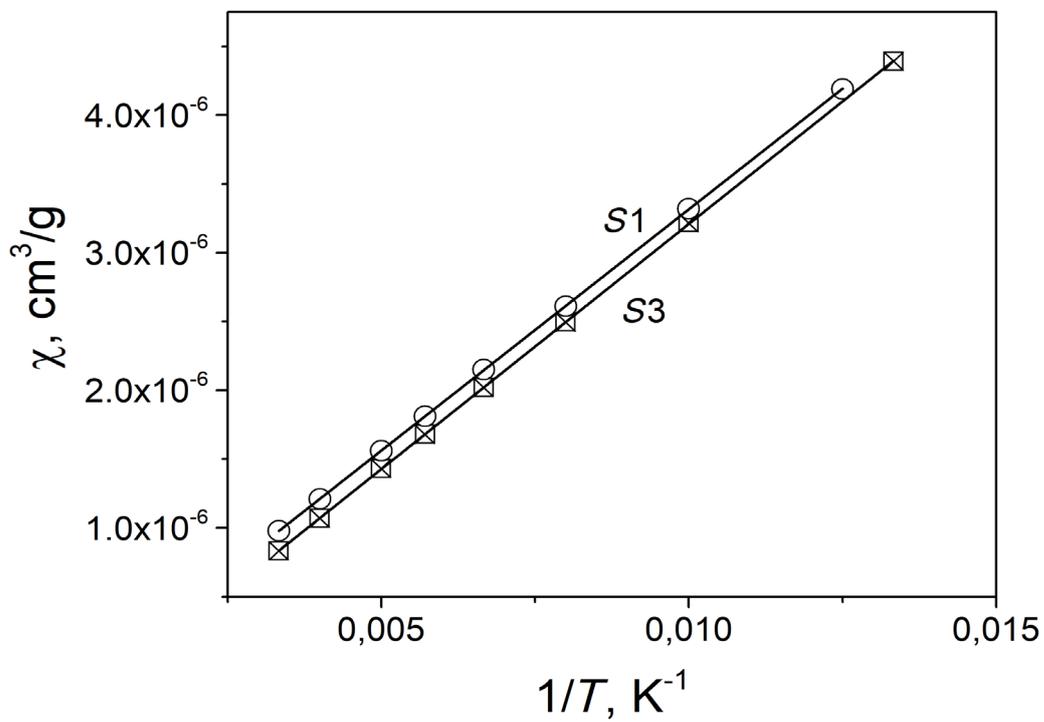
**Fig. S1.** XRD patterns of S1 and S2 samples. All the reflection peaks refer to TiO<sub>2</sub> anatase phase.



**Fig. S2.** EPR spectra of the samples S1 and S2 in a wide range of magnetic fields.



**Fig. S3.** IR spectra of the samples S1 and S3. The wide band in the 3300 – 3600  $\text{cm}^{-1}$  region is typical for the stretching vibration of OH<sup>-</sup> groups (in water molecules adsorbed on nanoparticle surface).



**Fig. S4.** Temperature dependence of magnetic susceptibility of powders S1 and S3.