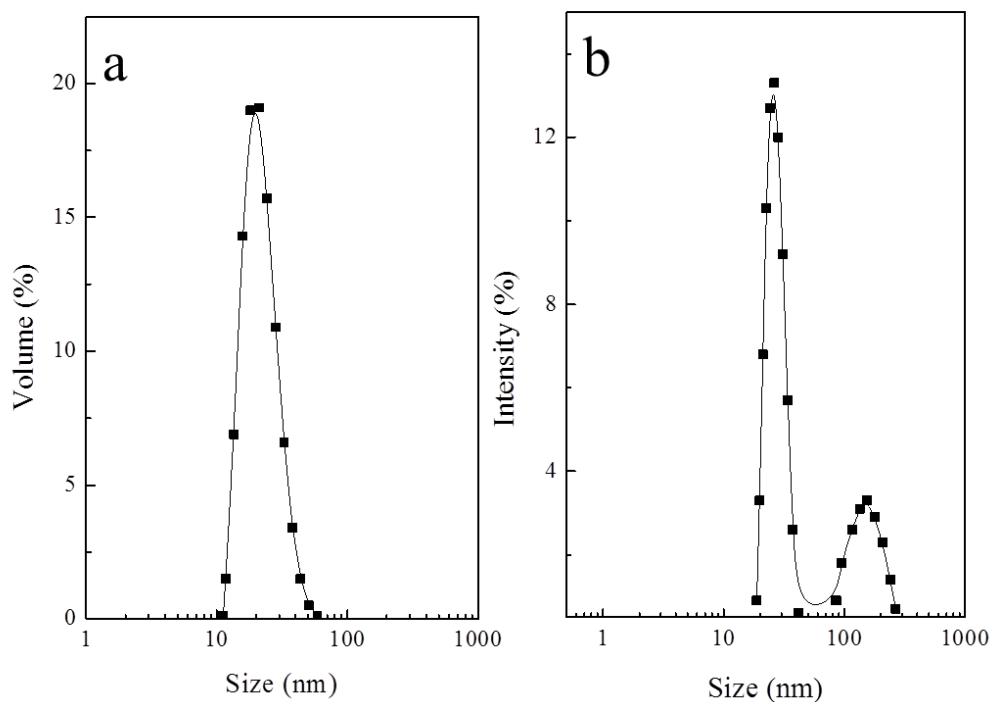


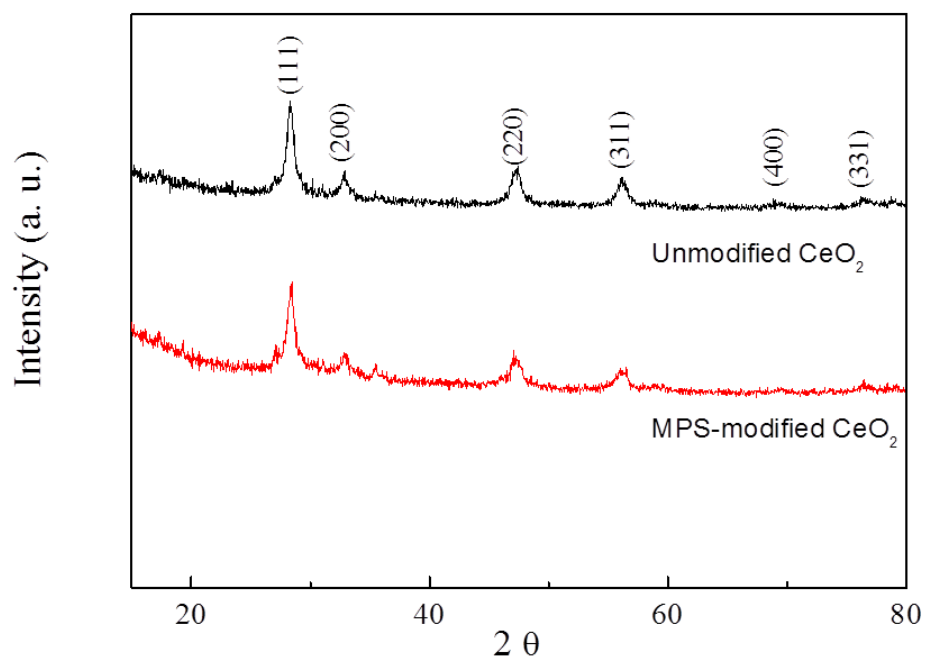
## Supporting Information of

### Anomalous transmittance of polystyrene/ceria nanocomposites at high loadings

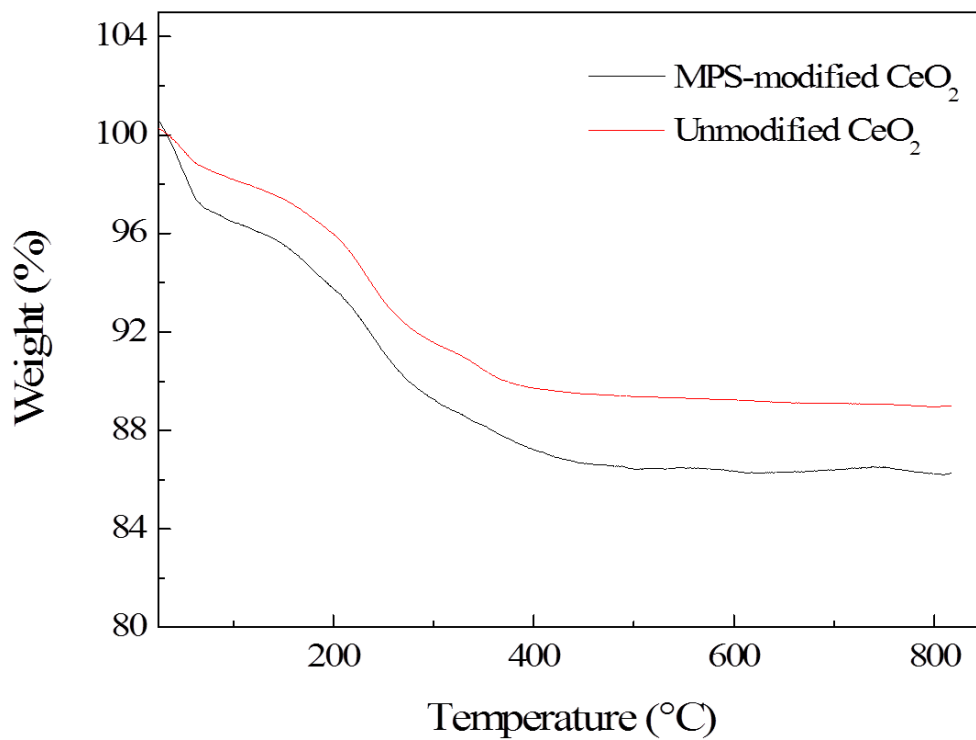
*Onur Parlak and Mustafa M. Demir\**



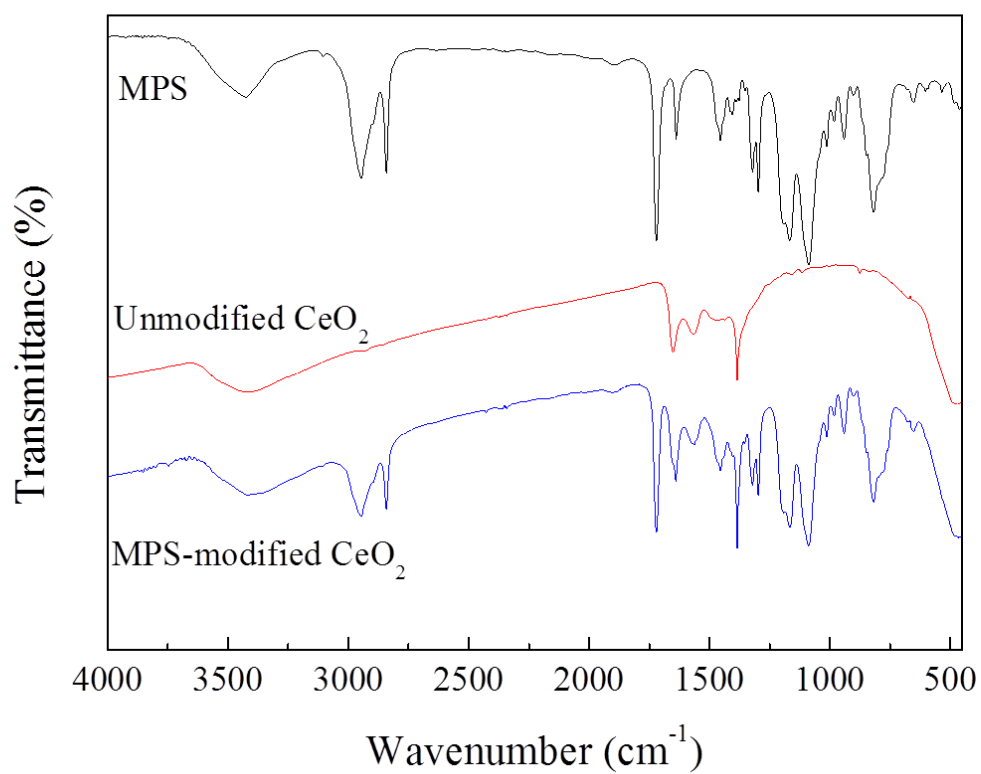
**Figure S1.** DLS (a) volume and (b) intensity size distribution of MPS-modified CeO<sub>2</sub> particles in reaction medium.



**Figure S2.** XRD patterns of unmodified, MPS-modified CeO<sub>2</sub> nanoparticles.



**Figure S3.** TGA curves for unmodified and MPS-modified CeO<sub>2</sub> particles.



**Figure S4.** FTIR spectra of MPS capping agent, unmodified and MPS-modified CeO<sub>2</sub> particles.