

Supporting Information

for

In situ formation of reduced graphene oxide structures in ceria by combined sol–gel and solvothermal processing

Jingxia Yang^{1,2}, Johannes Ofner³, Bernhard Lendl³ and Ulrich Schubert*¹

Address: ¹Institute of Materials Chemistry, Vienna University of Technology, Getreidemarkt 9, 1060 Wien, Austria; ²permanent address: College of Chemistry and Chemical Engineering, Shanghai University of Engineering Science, LongTeng Road 333, 201620 Shanghai, P.R. China and ³Institute of Chemical Technologies and Analytics, Vienna University of Technology, Getreidemarkt 9, 1060 Wien, Austria

Email: Ulrich Schubert* - Ulrich.Schubert@tuwien.ac.at

* Corresponding author

Additional experimental data



Figure S1: Raman spectra of ceria samples synthesized from different cerium precursors and different solvothermal solvents.

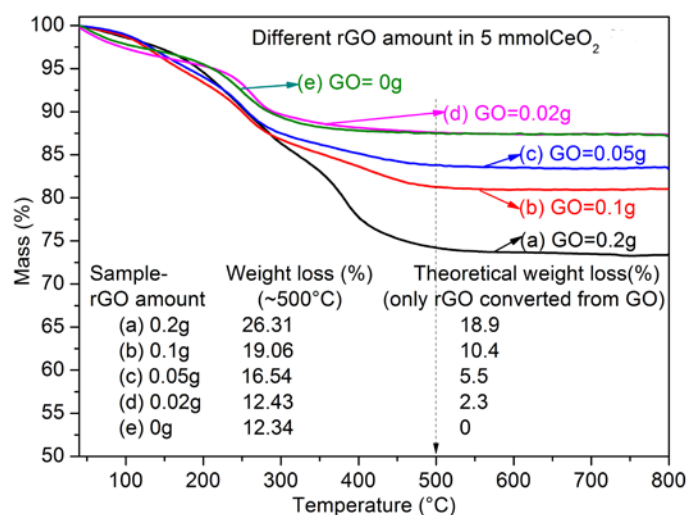


Figure S2: TGA curves of rGO–CeO₂ composites with different amounts of rGO after solvothermal treatment in ethanol.

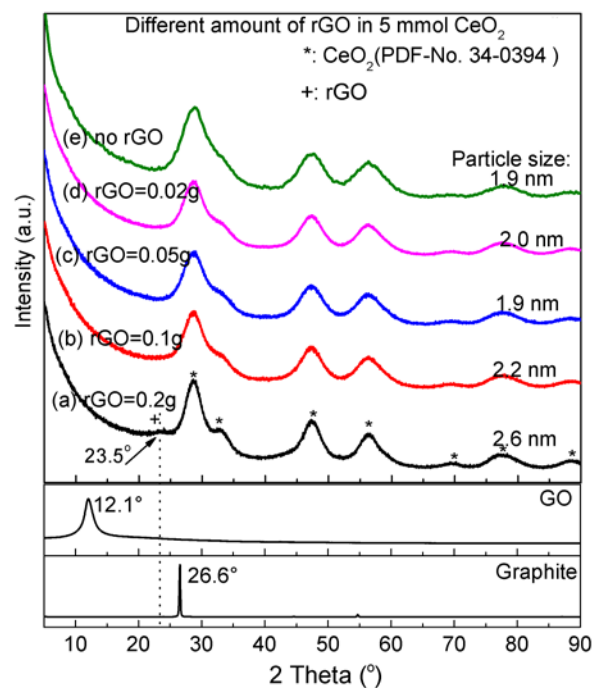


Figure S3: XRD patterns of graphite, GO and rGO–CeO₂ composites with different amounts of rGO amount after solvothermal treatment in ethanol.