Electronic Supplementary Information Electronic Conductivity of Alkyne-Capped Ruthenium Nanoparticles

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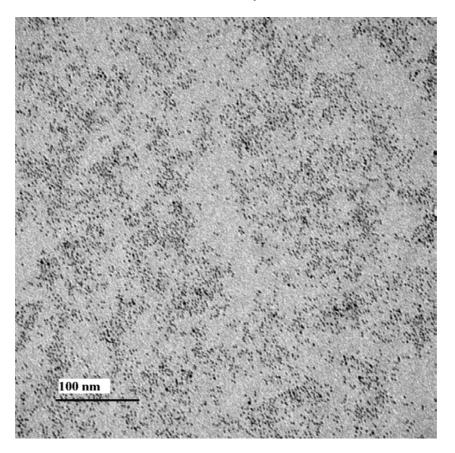


Figure S1. Representative TEM micrograph of ruthenium nanoparticles prepared by thermolysis of RuCl₃ in 1,2-propanediol at 165 °C.

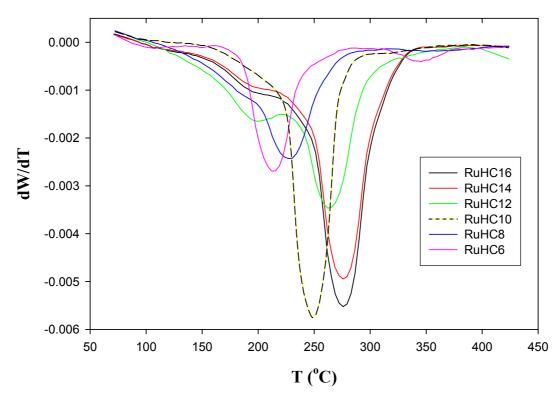


Figure S2. First-order derivatives of the weight loss curves of the varied nanoparticle samples by TGA measurements, from which the transition temperature (T_g) was determined (and summarized in Table 1).

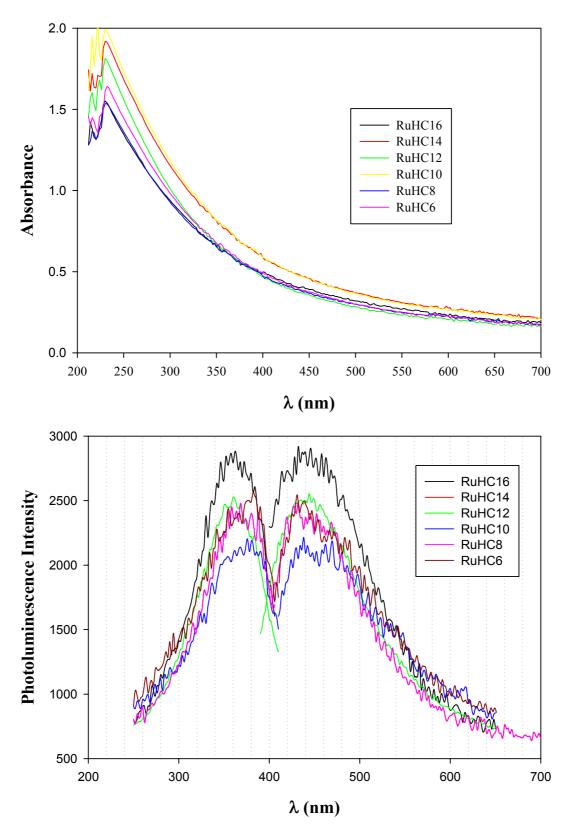


Figure S3. (top) UV-vis absorption and (bottom) photoluminescence spectra of alkyne-capped ruthenium nanoparticles in CH_2Cl_2 .