**SUPPLEMENTARY FIGURES**

**Effects of Inert and Energetic Nanoparticles on Burning Liquid Ethanol Droplets**

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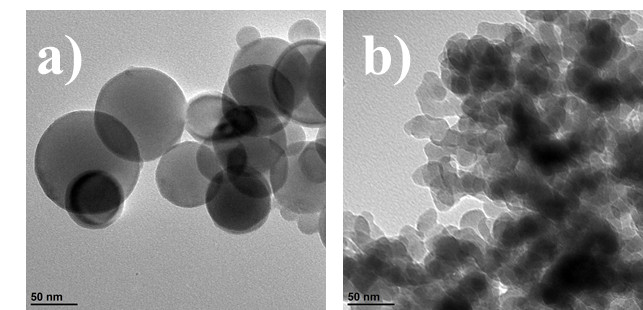


Figure S1. TEM images of as-received nanoparticles: (a) nAl and (b) nSiO2.



Figure S2. Temporal evolution of the normalized flame distance for neat fuel and fuel loaded with nAl and nSiO2 (case I experiments). The lines in the figure represent linear fits of the data for a given scaled time.



Figure S3. Transient profile of the normalized OH\* chemiluminescent intensities for neat fuel and fuel loaded with nAl and nSiO2 (case I experiments). The lines in the figure represent polynomial fits to the data for a given normalized time.