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Electronic Supplementary Information for:

EXAFS as a tool to interrogate the size and shape of mono and bimetallic catalyst nanoparticles

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Figure 1.

to the complete data sets for the fcc (a), hcp (b) and bcc (c) shapes.

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Figure 2.



Figure 2. Simulated EXAFS data for a Pt foil comparing the effects of including multiple scattering (MS) paths on the data simulation.





Figure 3. Simulated EXAFS FT spectra at the Pt L_{III} and Pd K-edges, as a function of Pt:Pd occupancy ratio ((a) and (b)) Δr between the Pt and Pd shells ((c) and (d)). (a) and (c) contains the EXAFS FT spectra at the Pt L_{III} edge and whereas (b) and (d) contain EXAFS FT spectra at the Pd K-edge. In (c) the Pt distance varies by $\Delta r = \pm 0.2$ Å, with Pd fixed at 2.75 Å and in (d) the Pd distance varies by $\Delta r = \pm 0.2$ Å, with Pt fixed to 2.75 Å.