

Synthesis and optical characterization of infra-red emitting mercury sulphide (HgS) quantum dots

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Supplementary Information

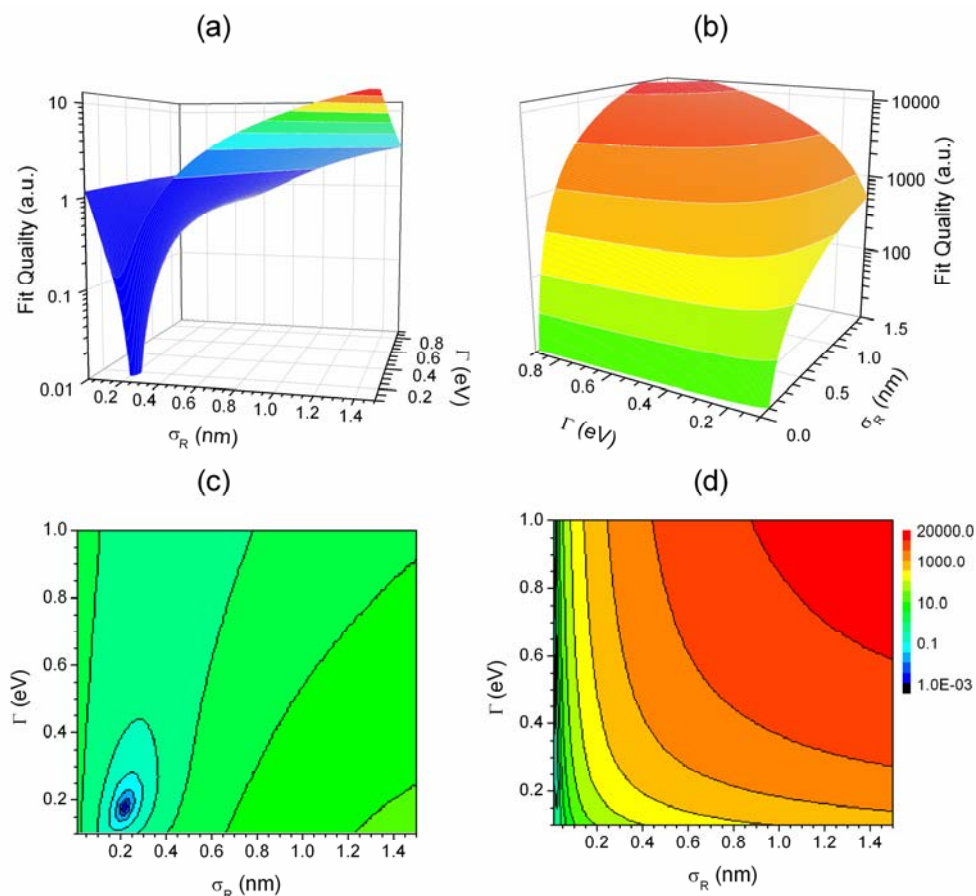


Fig. S1. Quality of fit obtained using equation (1) assuming a Gaussian (a) and (c) and Lorentzian (b) and (d) homogeneous lineshape. The scale bar in (d) also applies to (a) – (c). The ‘fit quality’ parameter is minimised when the best fit is obtained. It is clear that the fitting using a Gaussian lineshape converges unlike when the Lorentzian lineshape is used.