Three-dimensional atomic-scale structure of size-selected gold hanoclusters.

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ng Transmission Electron Microscopy (S





technique is usually too powerful for as are structurally unstable, and hence under dense electron beams. So a techn scanning transmission electron micro This field achieves atomic resolution of g electron beams that are transparent enou the nanocluster st





obtained from the apparatus have varving in distinction between individual atoms. Hig croscopy typically resolution transmission electron mi



ns of the cluster were also found. This may be intrinsic property of the gold clusters that could ed to their catalytic properties. Techniques use is investigation may allow routine three ral characterization tool for small nanopartic e atomic-scale leve

oser inspection of the intensities found gave e atomic structure of the clusters. High resolution es of intensity showed various shapes of the nanc





nset with red line) is compared with full dynamical multislice calculation

ue used to gain imagery und not harm their intrinsic struc tential for this method to be used for r small metallic particle



