

Electronic Supplementary Material

**A novel high efficiency composite catalyst: single crystal triangle Au nanoplates supported by functional reduced graphene oxide**

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Format of the video: WMV

Frame size: 640 x 480 pixels

Frame rate: 25 fps

File size: 2.25MB

File name: Reduction of p-nitrophenol using FRGO-Au1 as catalyst

Short descriptive title for the video which can be used when uploading the video onto a streaming channel : The reduction of p-nitrophenol was carried out in a quartz cuvette at room temperature using FRGO-Au1 as catalyst.

A video legend of approx 30 words long: The reduction of p-nitrophenol ( $5 \times 10^{-4}$  M) was carried out in the right cuvette using FRGO-Au1 as catalyst (Au  $2.07 \times 10^{-6}$  M). The solution without catalyst was shown as a comparison in the left cuvette.

5-10 keywords which can be used to tag the video: P-nitrophenol Catalysis Graphene Au Triangular nanoplates