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Supporting information for article:

Observation of two-dimensional yttrium oxide nanoparticles in mealworm beetles (*Tenebrio molitor*)

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S1. TEM image for NPs

The size and morphology of the yttrium oxide NPs were measured using a transmission electron microscope (TEM, JEOL 1200 EX) at low magnification (Fig. S1a). The high resolution TEM image was obtained by using JEOL JEM-2100 (Fig. S1b). To prepare the NPs for TEM study, the diluted solution was dropped and dried on the carbon coated copper grid at room temperature. The size of NPs is around 50 to 100 nm with rectangle-like two-dimensional shape.

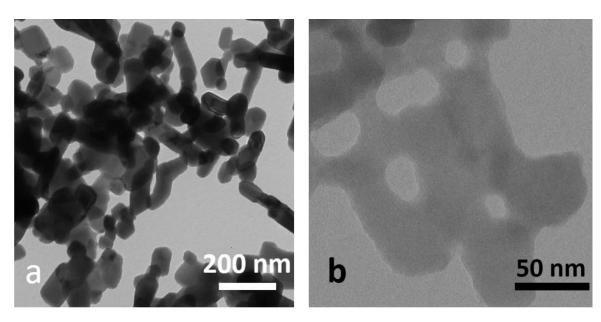


Figure S1 The TEM image of yttrium oxide NPs.