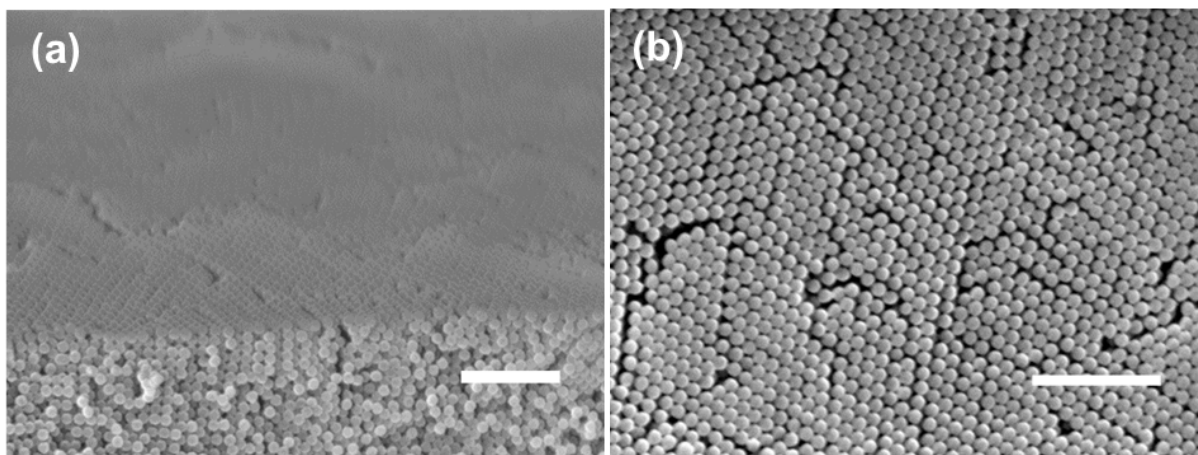


## **Tetrapod CdSe-sensitized Macroporous Inverse Opal Electrodes for Photoelectrochemical Applications**

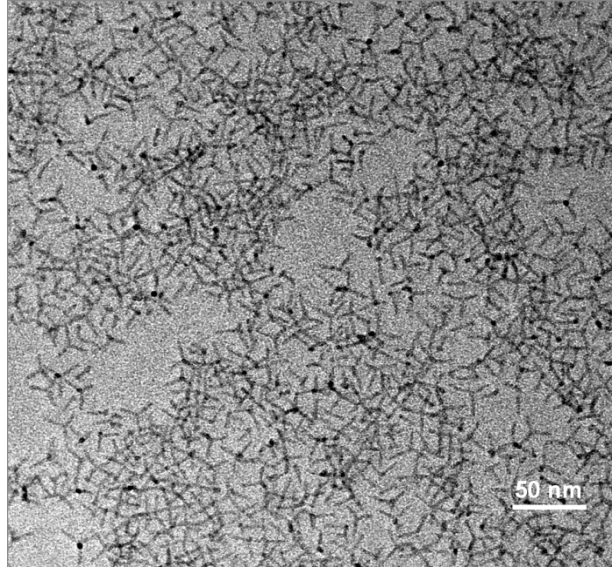
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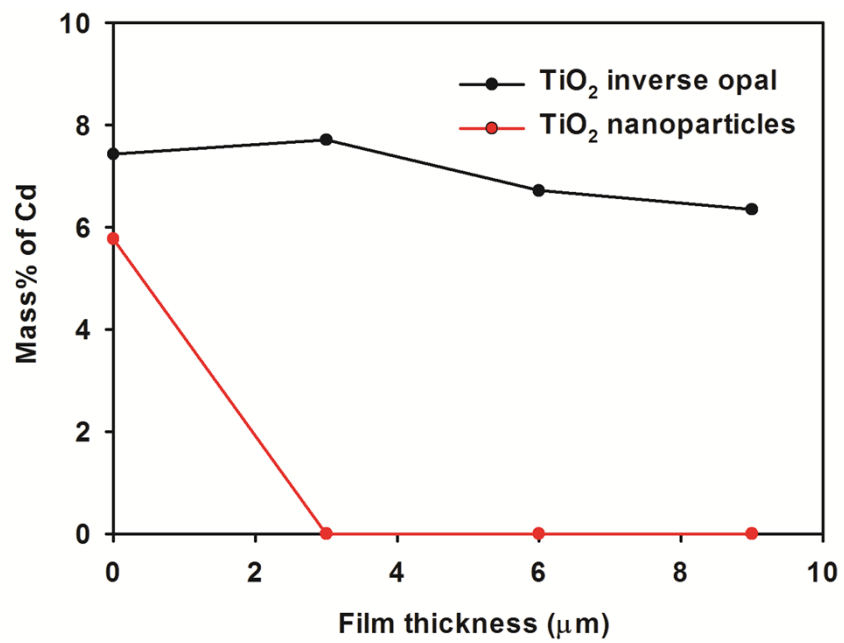
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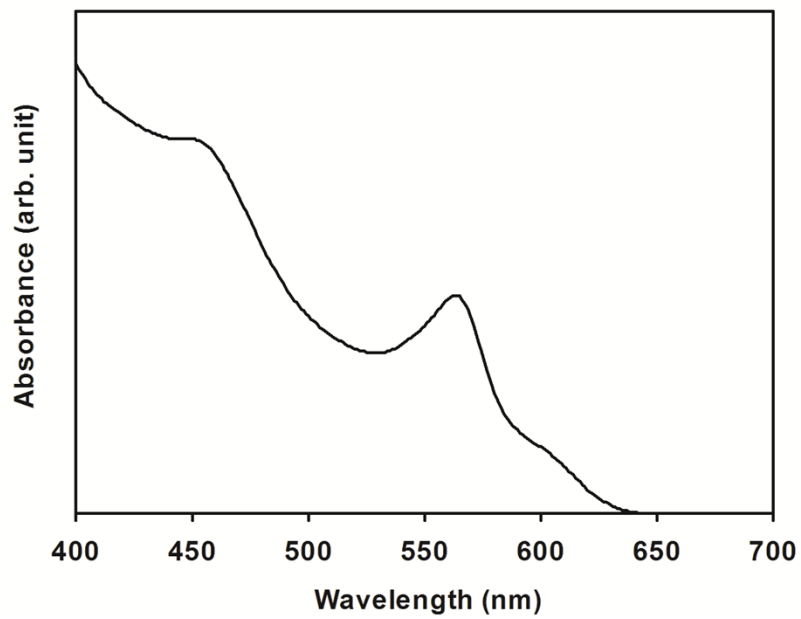
**Fig. S1.** SEM images of PMMA colloidal crystals: (a) cross-section and (b) surface.



**Fig. S2.** TEM images of tp-CdSe.



**Fig. S3.** Depth profile of the concentration of elemental Cd in the TiO<sub>2</sub> IO structures and in the nanoparticulate TiO<sub>2</sub> film..



**Fig. S4.** Absorption spectrum of the tp-CdSe dispersion.