

# Photocatalytic properties of titania nanostructured films fabricated from titania nanosheets

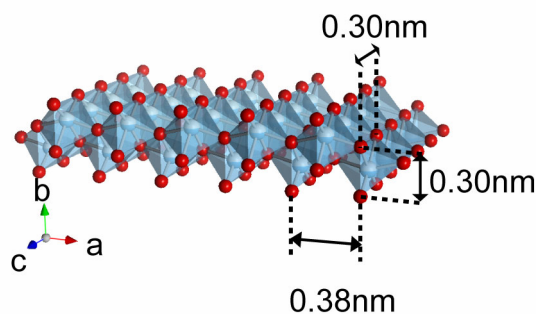
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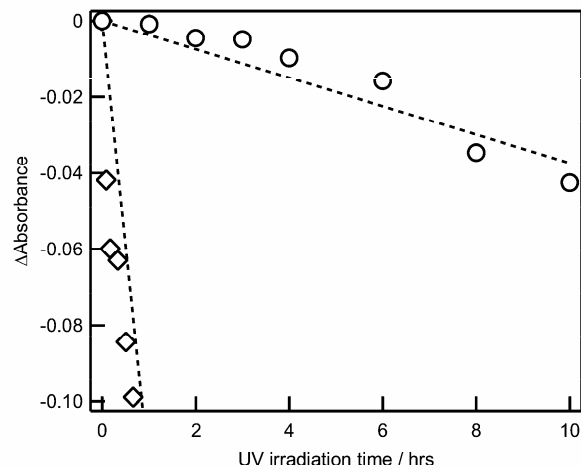
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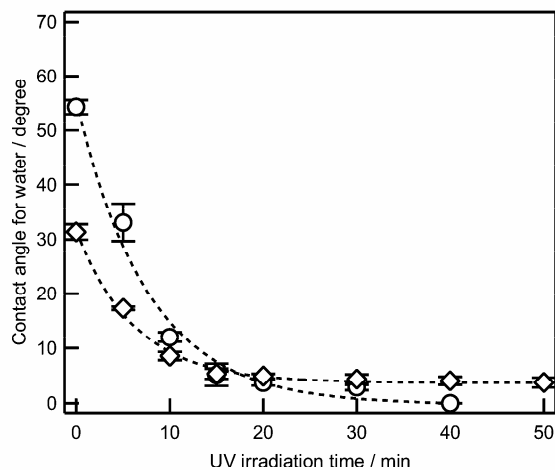
## Electronic Supplementary Information: Fig. S1-3



**Figure S1** Schematic representation of nanoarchitecture of titania nanosheet



**Figure S2** Changes in absorbance of methylene blue adsorbed on films (under a constant number of absorbed photons: approx.  $6 \times 10^{15}$  quanta  $\text{cm}^{-2} \cdot \text{sec}^{-1}$ ). (○) 1-layer titania nanosheet film; (◇) anatase film prepared by conventional method (NDH-510C, Thickness: about 250 nm).



**Figure S3** Changes in water contact angle of films (under a constant number of absorbed photons: approx.  $6 \times 10^{14}$  quanta  $\text{cm}^{-2} \cdot \text{sec}^{-1}$ ). (○) 1-layer titania nanosheet film; (◇) anatase film prepared by conventional method (NDH-510C, Thickness: about 250 nm).