

These informations highlight the fact that the difference observed during the photocatalytic tests for all the samples could be partly due to the electronic transfer from the semi-conductor to the platinum particle (same particle size, slight difference in oxidation state). Photocatalytic reduction is observed on TiO₂.

Justification and comments about the use of beam time (5 lines max.):

1 shift has been used for the setting of the new in situ cell and optimization of data acquisition. Then, the several samples were acquired in fluorescence mode under dark and illuminated conditions. Acquisition in fluorescence mode takes 3x 45 min.

Publication(s):

- not yet published

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