

1 Supplementary material

## 2 Activation treatments and SiO<sub>2</sub>/Pd modification of 3 sol-gel TiO<sub>2</sub> photocatalysts for enhanced 4 photoactivity under UV radiation

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15 Figure S1 presents the macroscopic aspect of the calcined powder samples.



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17 Figure S1: Pictures of the calcined samples: from left to right: pure TiO<sub>2</sub>, TiO<sub>2</sub>/SiO<sub>2</sub>, TiO<sub>2</sub>/SiO<sub>2</sub>/Pd1,  
18 TiO<sub>2</sub>/SiO<sub>2</sub>/Pd5, TiO<sub>2</sub>/SiO<sub>2</sub>/Pd12 and TiO<sub>2</sub>/SiO<sub>2</sub>/Pd22.



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