

Rutile Crystallites Isolated from Degussa (Evonik) P25 TiO₂: Highly Efficient Photocatalyst for Chemoselective Hydrogenation of Nitroaromatics

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SUPPORTING INFORMATION

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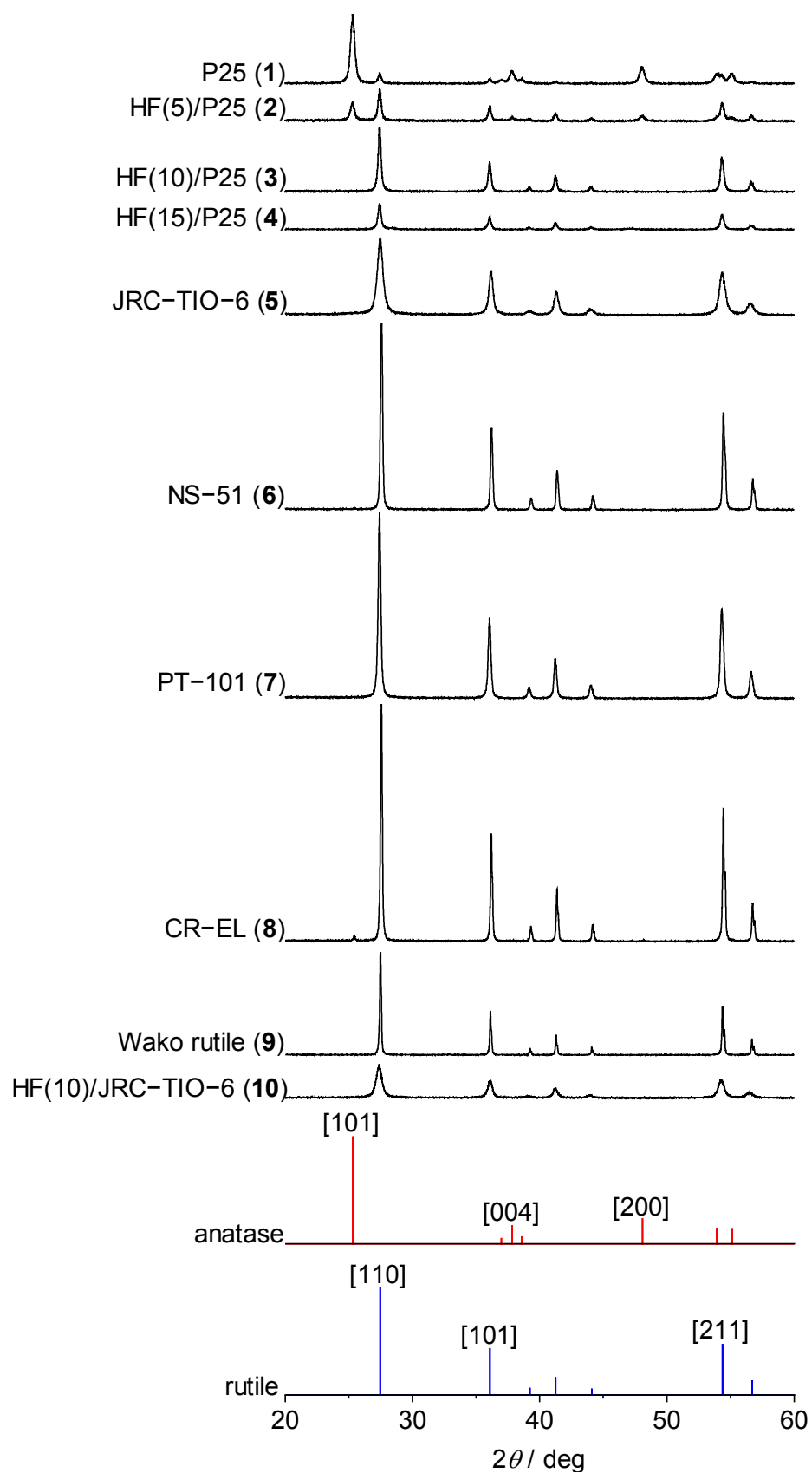


Figure S1. XRD patterns for rutile TiO_2 and standard patterns for anatase (JCPDS 21-1272) and rutile TiO_2 (JCPDS 21-1276).

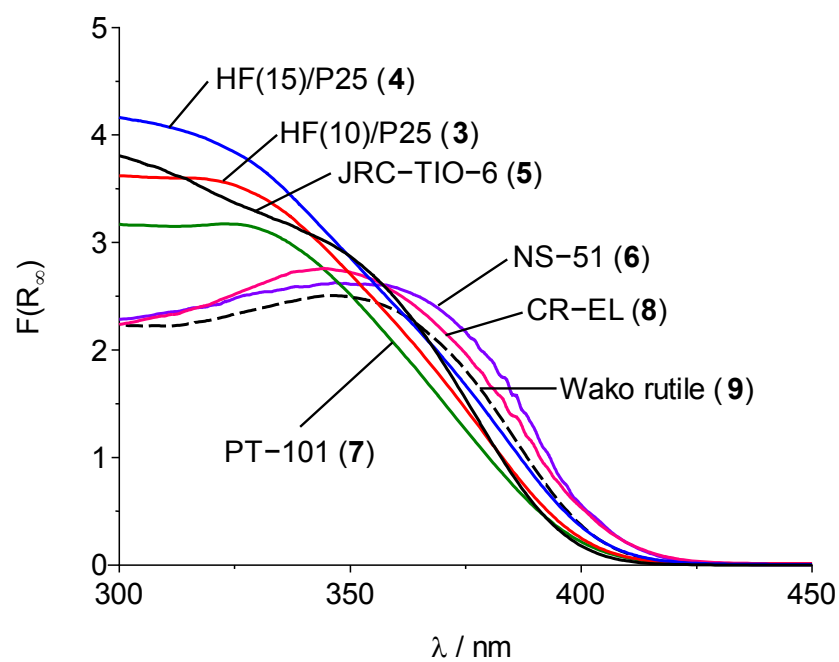


Figure S2. DR UV-vis spectra of rutile TiO₂.

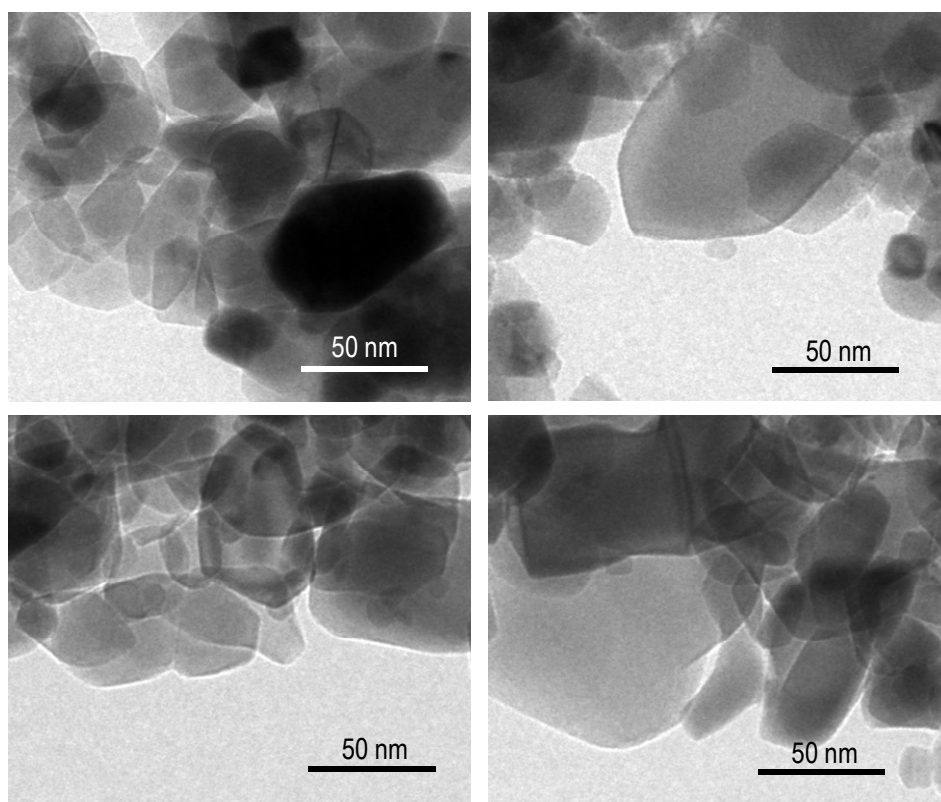


Figure S3. TEM images of HF(10)/P25 particles.

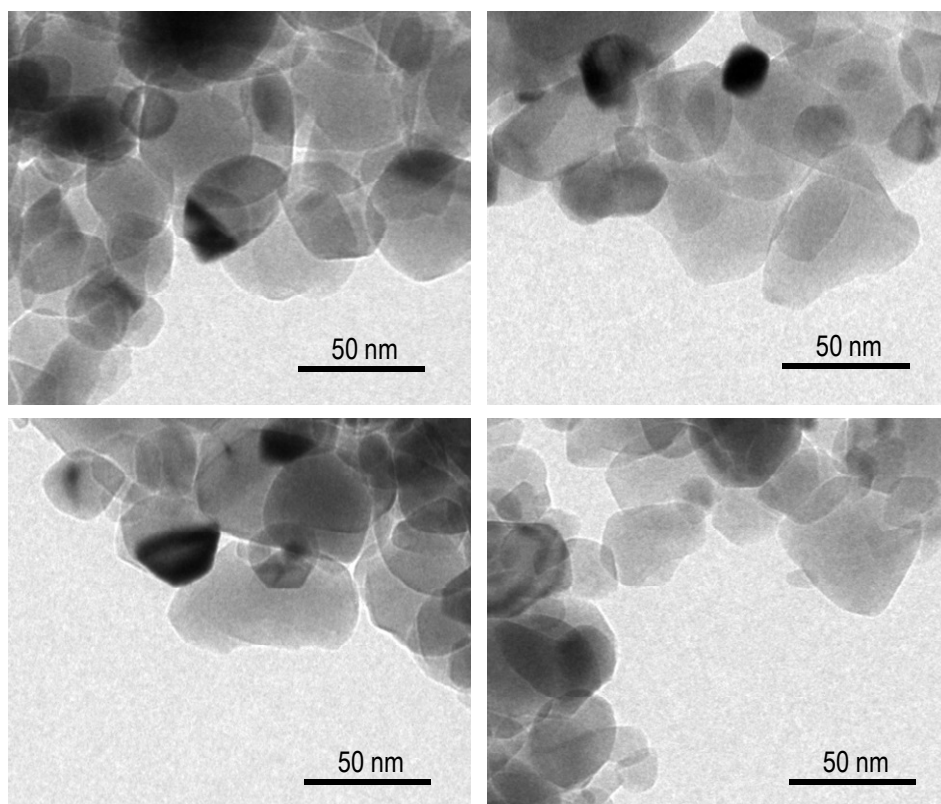


Figure S4. TEM images of HF(15)/P25 particles.

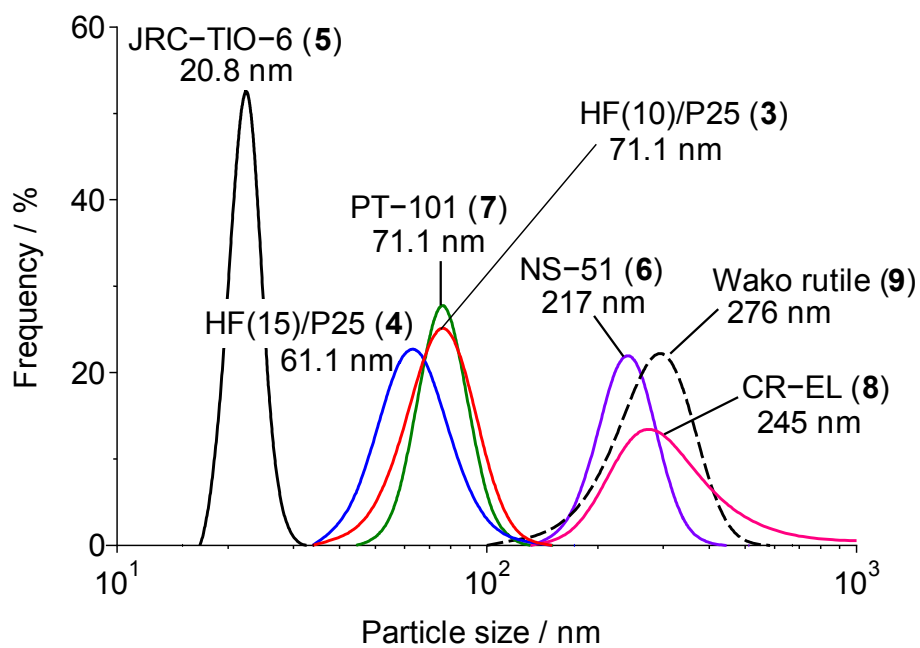


Figure S5. Size distribution of rutile TiO₂ particles determined by DLS analysis. Average diameters of particles are denoted in the figure.

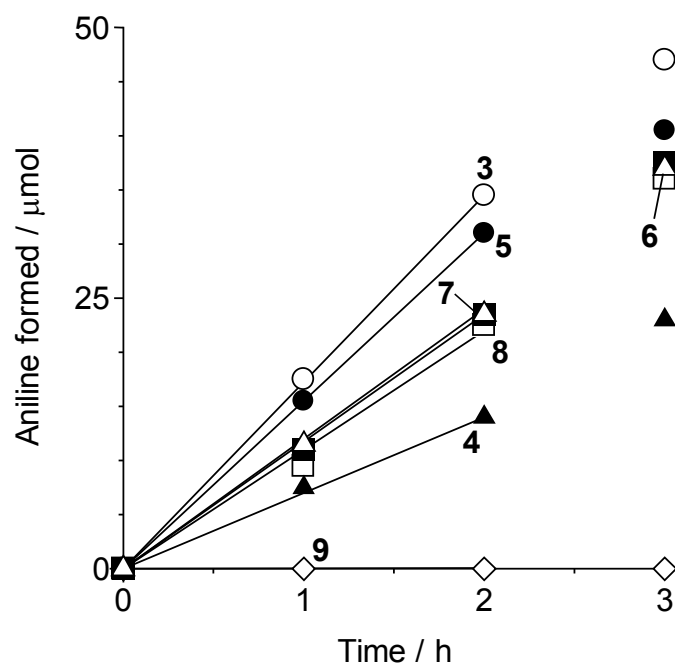


Figure S6. Time-dependent change in the amount of aniline formed during photoreaction of nitrobenzene with respective TiO_2 particles. The reaction conditions are summarized in the manuscript (Table 1).