

Selective photocatalytic oxidation of 3-pyridinemethanol on platinized acid/base modified TiO₂

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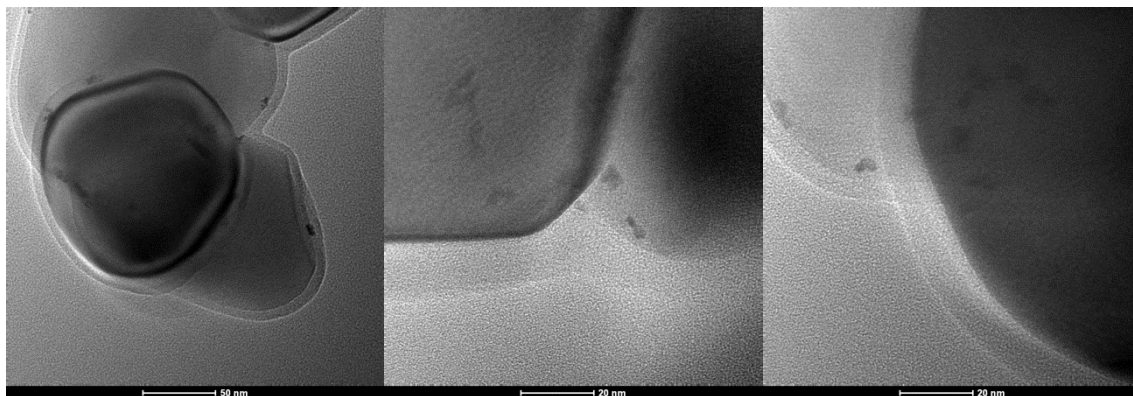
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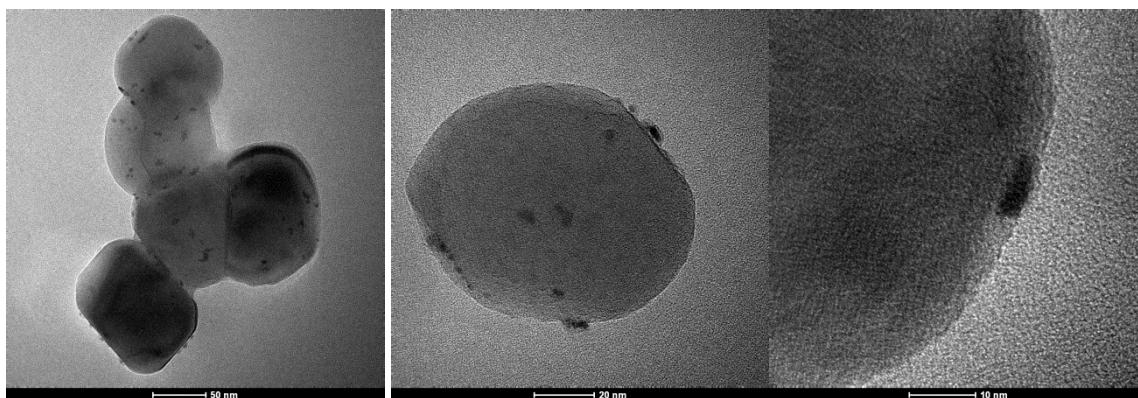
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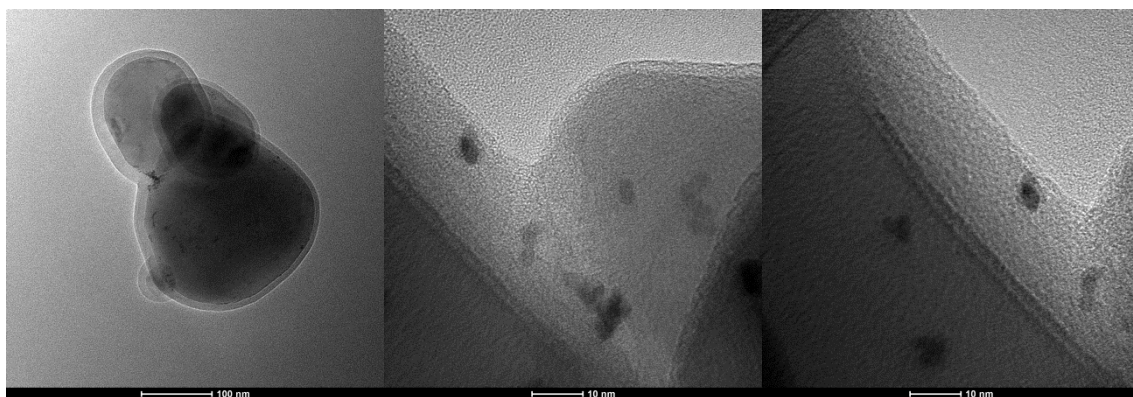
Pt-BDH-HCl



Pt-Merck



Pt-Merck-NaOH



Pt-BDH

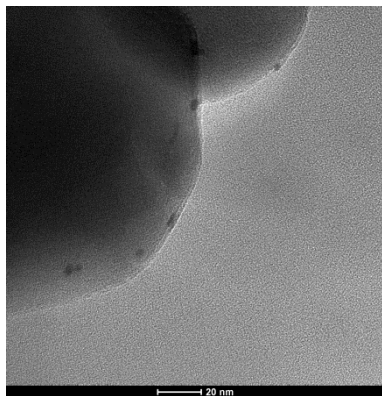


Figure S1. TEM micrographs of platinized TiO₂ samples.

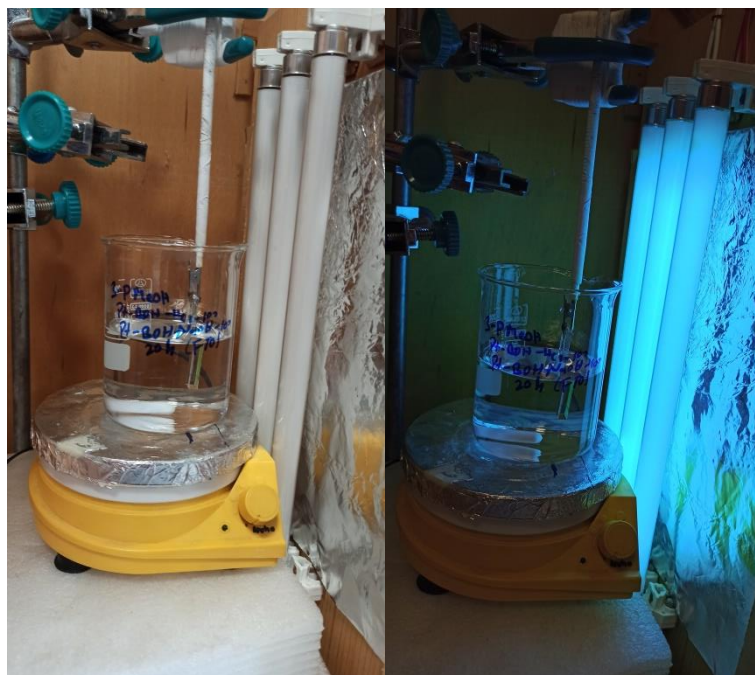


Figure S2. The photocatalytic system used for Pt-BDH-NaOH/FTO sample.

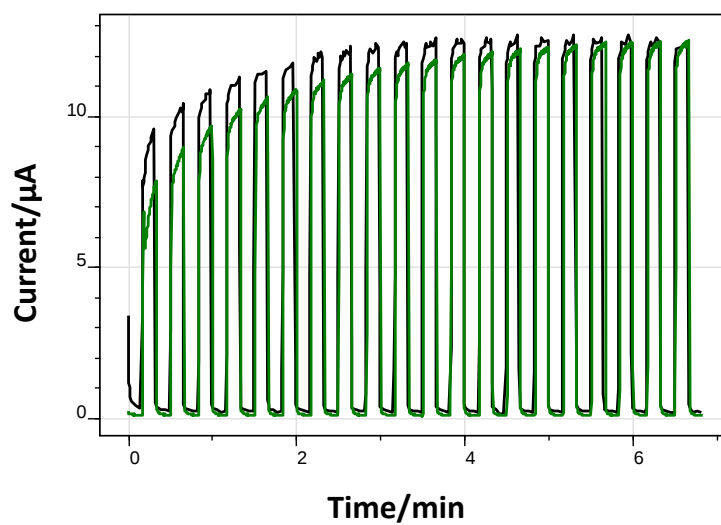


Figure S3. Photocurrent measurements of Pt-BDH-NaOH on FTO before (green) and after (black) 20 h of photocatalytic reaction. $[\text{Na}_2\text{SO}_4] = 100 \text{ mM}$. Applied potential: 1.0 V vs. Ag/AgCl (3 M KCl). pH=7.