

Photoelectrocatalytic Processes of TiO₂ Film: The Dominating Factors for the Degradation of Methyl Orange and the Understanding of Mechanism

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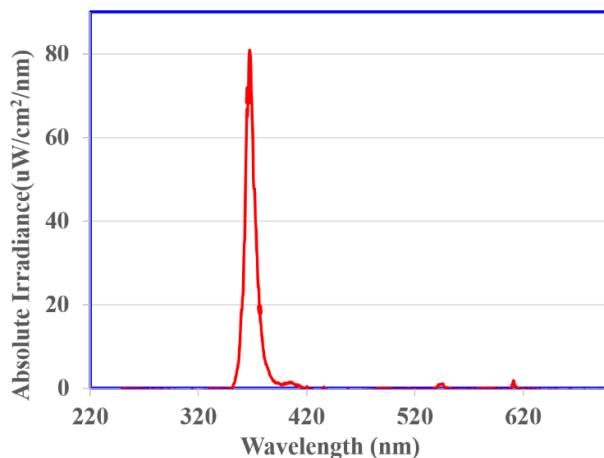


Figure S1. The light spectrum of the UV lamp used in irradiation experiments. The peak is located at 365 nm.

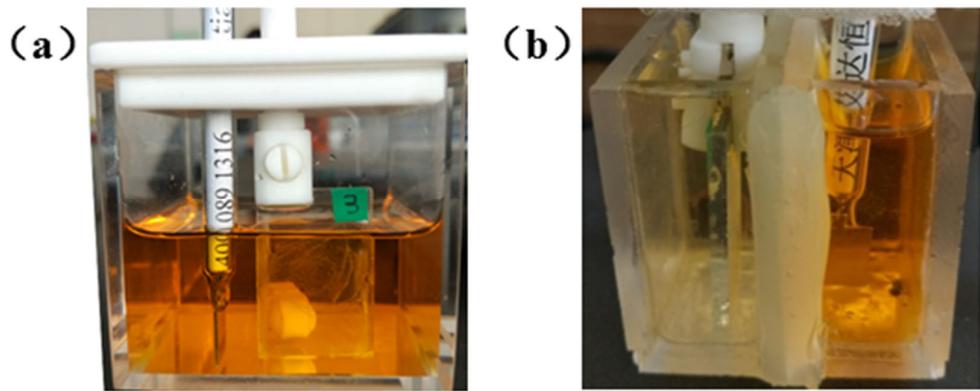


Figure S2. The photographs of experimental set-up of (a) PC, PEC reactors and (b) MS, PECMS reactors.

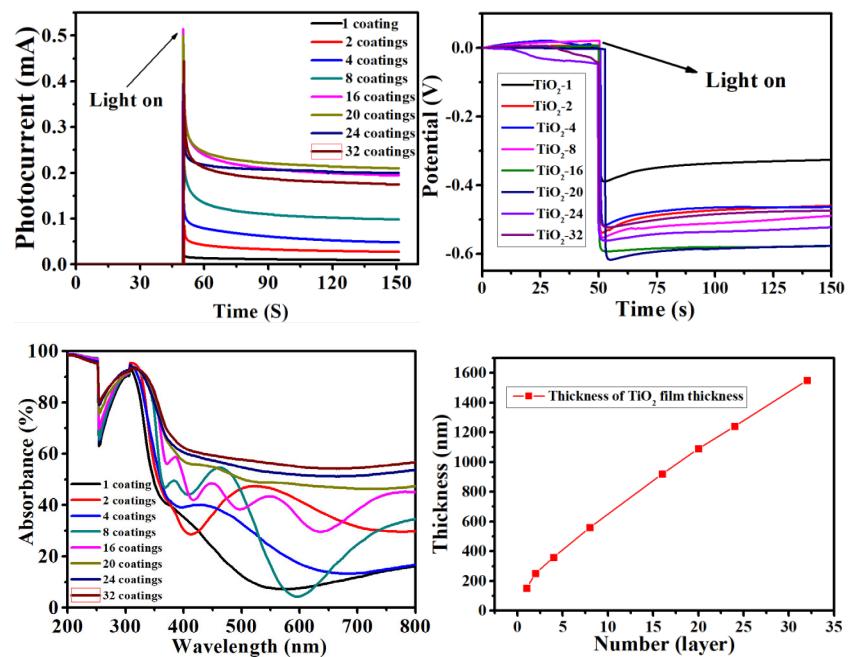


Figure S3. The short circuit photocurrent (a), open circuit potential (b) and (c) absorbance of TiO₂-1, -2, -4, -8, -16, -20, -24 and -32. (d) variation of film thickness as the layers of coatings.

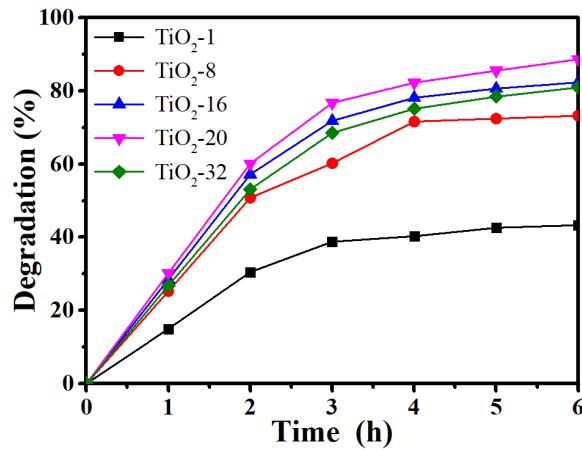


Figure S4. PEC degradation of MO by TiO₂-1, -8, -16, -20 and 32 photoelectrodes at 1.0 V bias under UV irradiation.