

Supporting Information

Efficient UV-Vis-IR light-driven thermocatalytic purification of benzene on Pt/CeO₂ nanocomposite significantly promoted by hot electron-induced photoactivation

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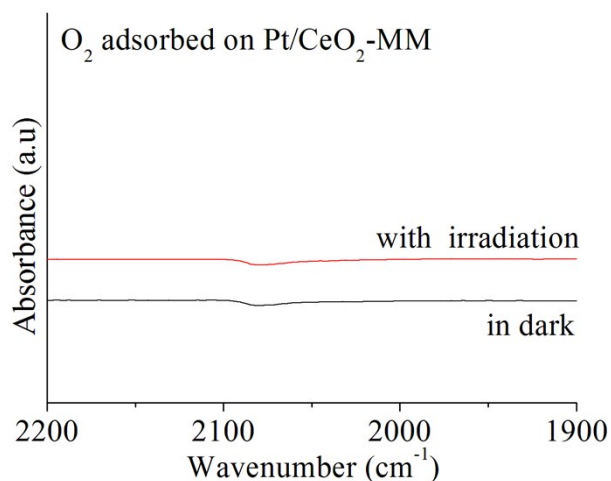


Figure S1. In-situ FTIR spectra of O₂ adsorbed on Pt/CeO₂-MM in the dark and with the solar light irradiation.

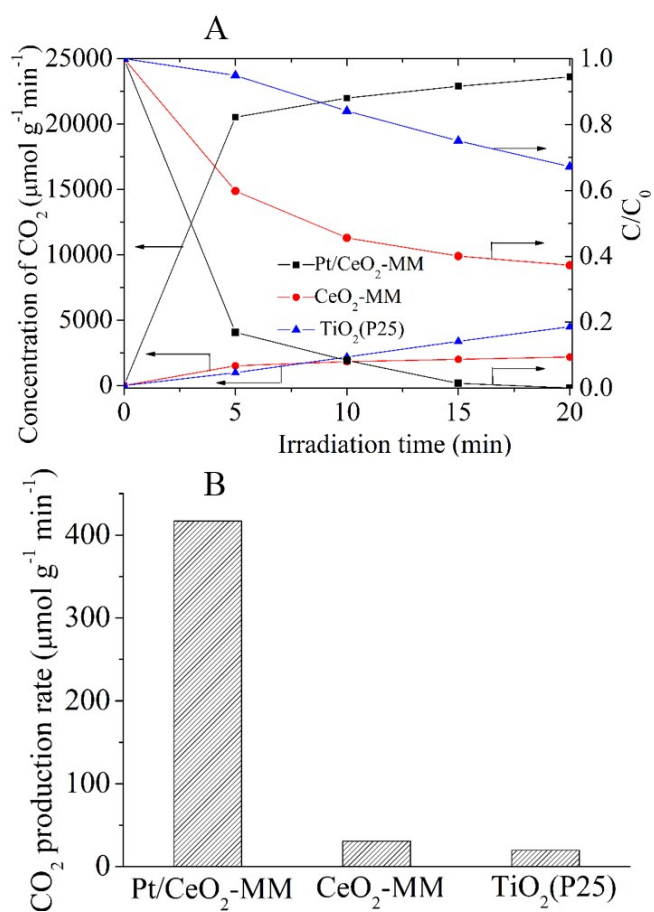


Figure S2. Time course of acetone concentration and CO₂ concentration (A), and the r_{CO_2} (B) of the samples under the full solar spectrum irradiation.