

Supporting Information

Singlet oxygen-dominated non-radical oxidation pathway for 2,4-Dichlorophenol degradation over CeO₂ coated carbon fibers

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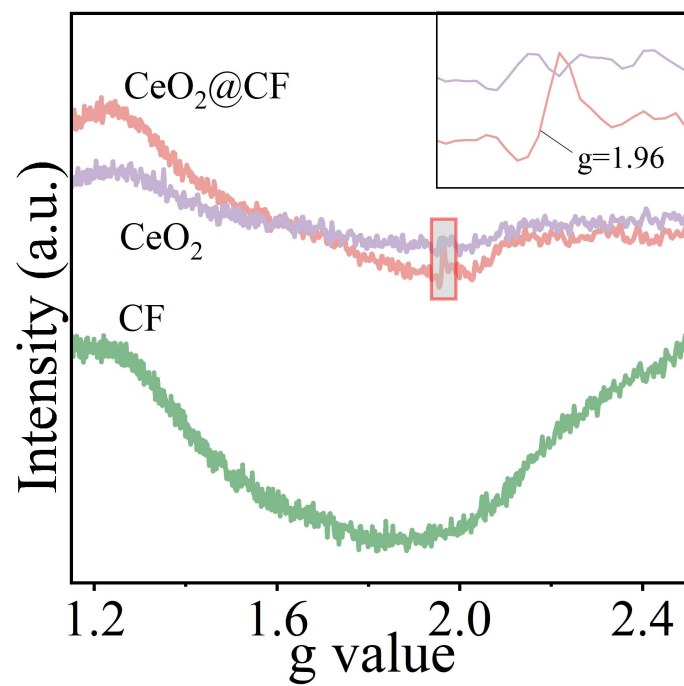


Fig. S1 Solid EPR of CF, CeO₂ and CeO₂@CF

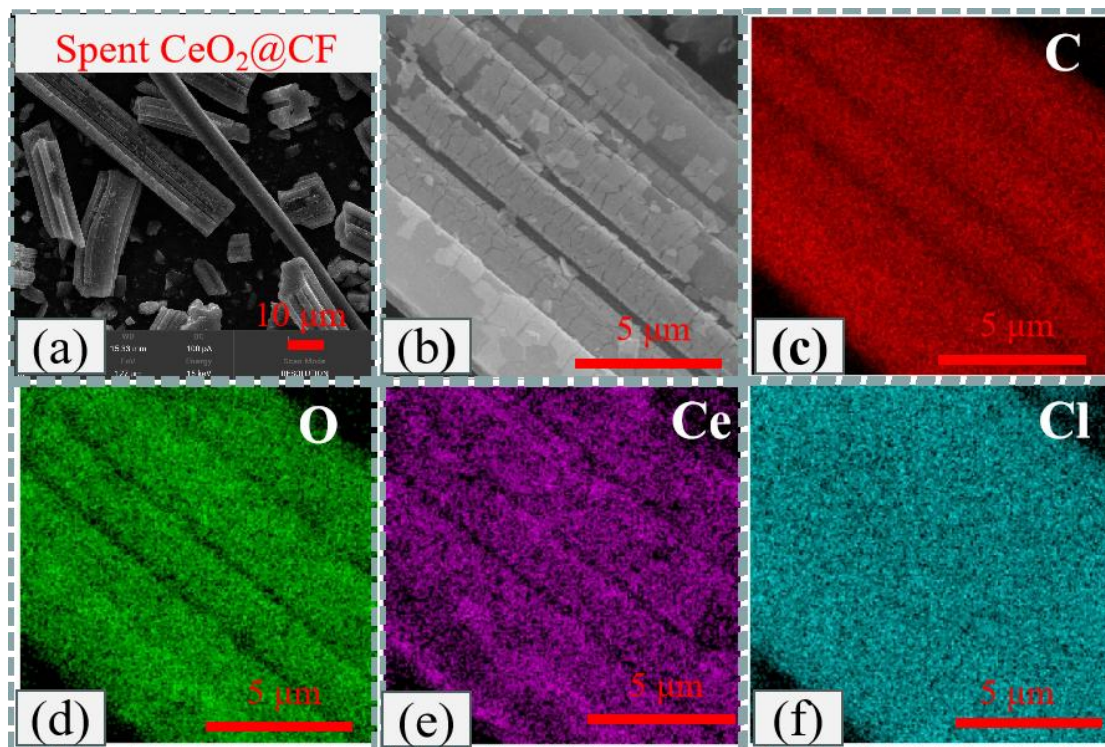


Fig. S2 SEM-EDS images of spent $\text{CeO}_2@\text{CF}$: (a) and (b) are the SEM images of spent $\text{CeO}_2@\text{CF}$ and (c), (d), (e), and (f) are the EDS mapping images of spent $\text{CeO}_2@\text{CF}$

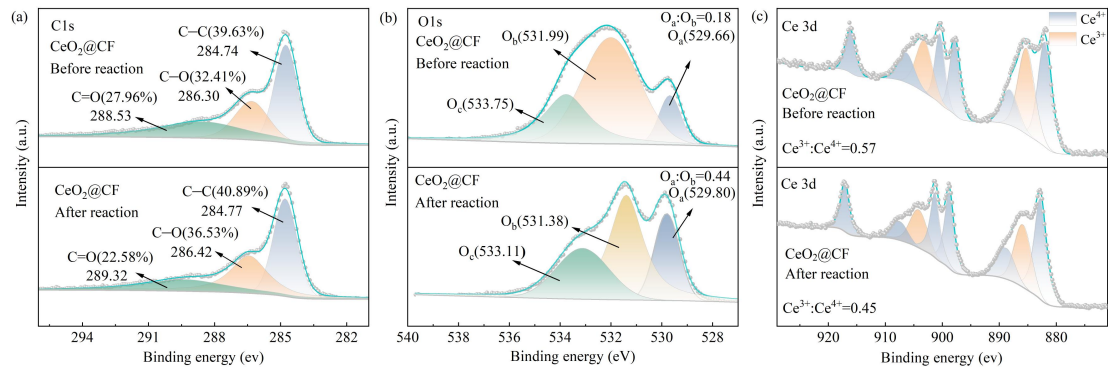


Fig. S3 Comparison of the XPS spectrum of fresh and spent $\text{CeO}_2@\text{CF}$

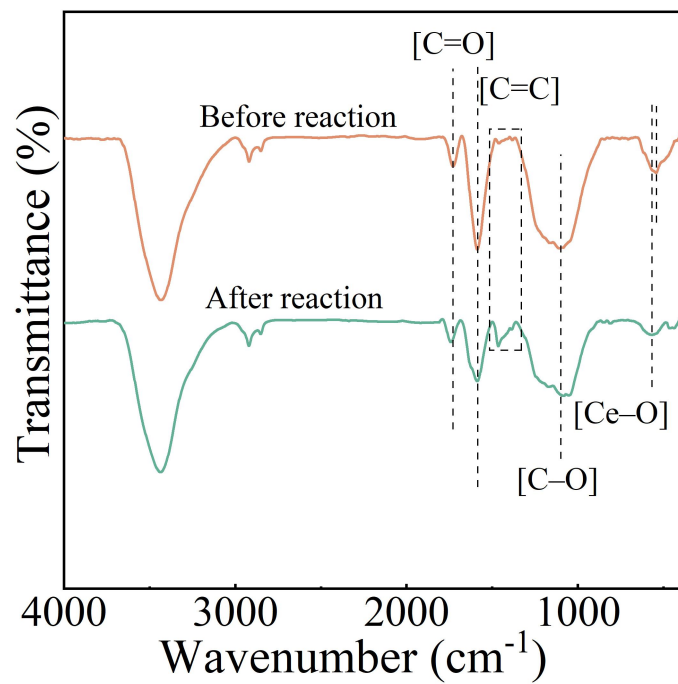


Fig. S4 Comparison of the FT-IR spectrum of fresh and spent CeO₂@CF