

## Supplementary information: Photodissociation of permanganate ( $\text{MnO}_4^-$ ) produces the manganese dioxide anion ( $\text{MnO}_2^-$ ) in an excited triplet state

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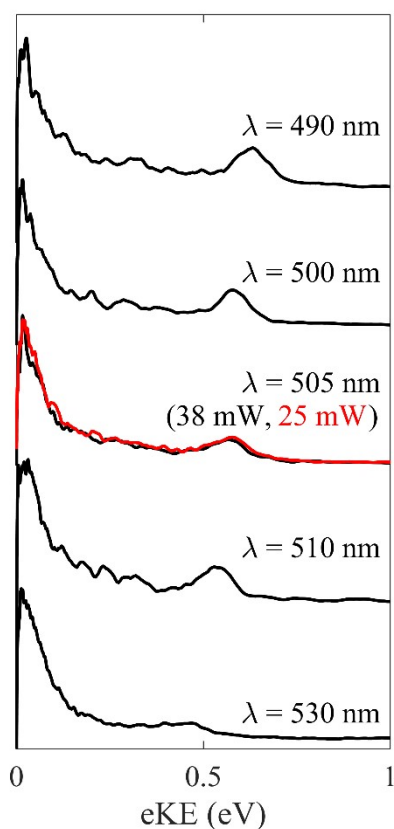


Figure S11: Photoelectron spectra recorded at  $\lambda = 490$  nm (2.53 eV), 500 nm (2.48 eV), 505 nm (2.46 eV), 510 nm (2.43 eV), and 530 nm (2.34 eV), with two laser fluences reported for  $\lambda = 505$  nm.