

Supporting Information:

Two-electron Transfer Photoreduction of Methyl Viologen and Perfluorooctanoic Acid Mediated by Flavin Mononucleotide at Colloidal Titanium Dioxide Interfaces.

Tahseen S. Saeed^{a*}, Sarah S. Albalawi^b, Abubkr Abuhagr^a, Saja Abdulrahman Althobaiti^{a,c}, Hawazen M. Hassanain^{b*}, Matt Reeves^d, Mohammed R. Abdullah^e and Ekkehard Sinn^a

Table of Contents

Fig.S1. Scanning electron microscopy (SEM) image of colloidal TiO ₂ particles.....	2
Fig.S2. UV-visible absorbance spectra of TiO ₂ before and after photolysis.....	3
Fig.S3. Mass spectrum of PFOA reduction by FMNH ₂ /TiO ₂ at negative mode before the reduction process.	4
Fig.S4. Mass spectrum of PFOA reduction by FMNH ₂ /TiO ₂ at negative mode after the reduction process.	5

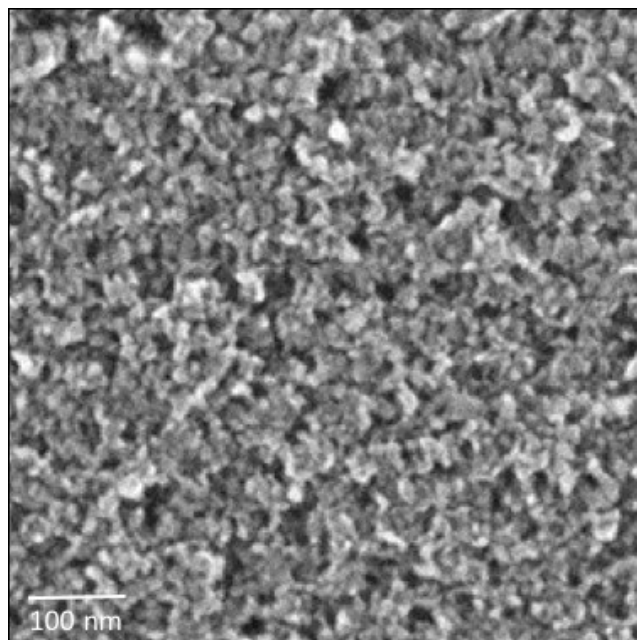


Fig.S1. Scanning electron microscopy (SEM) image of colloidal TiO₂ particles.

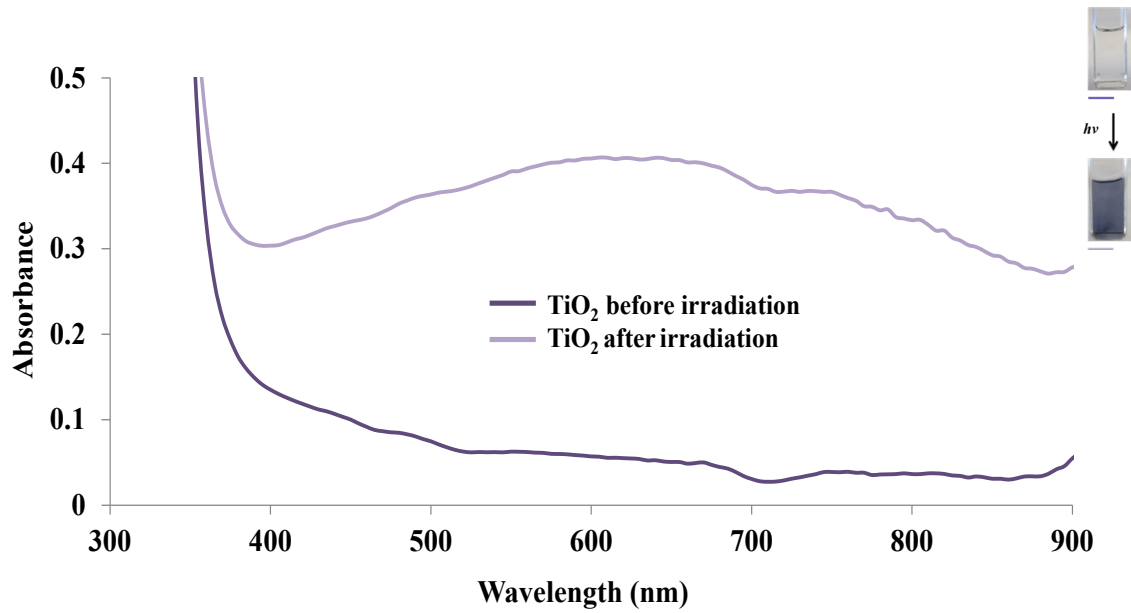


Fig.S2. UV-visible absorbance spectra of TiO₂ before and after photolysis.

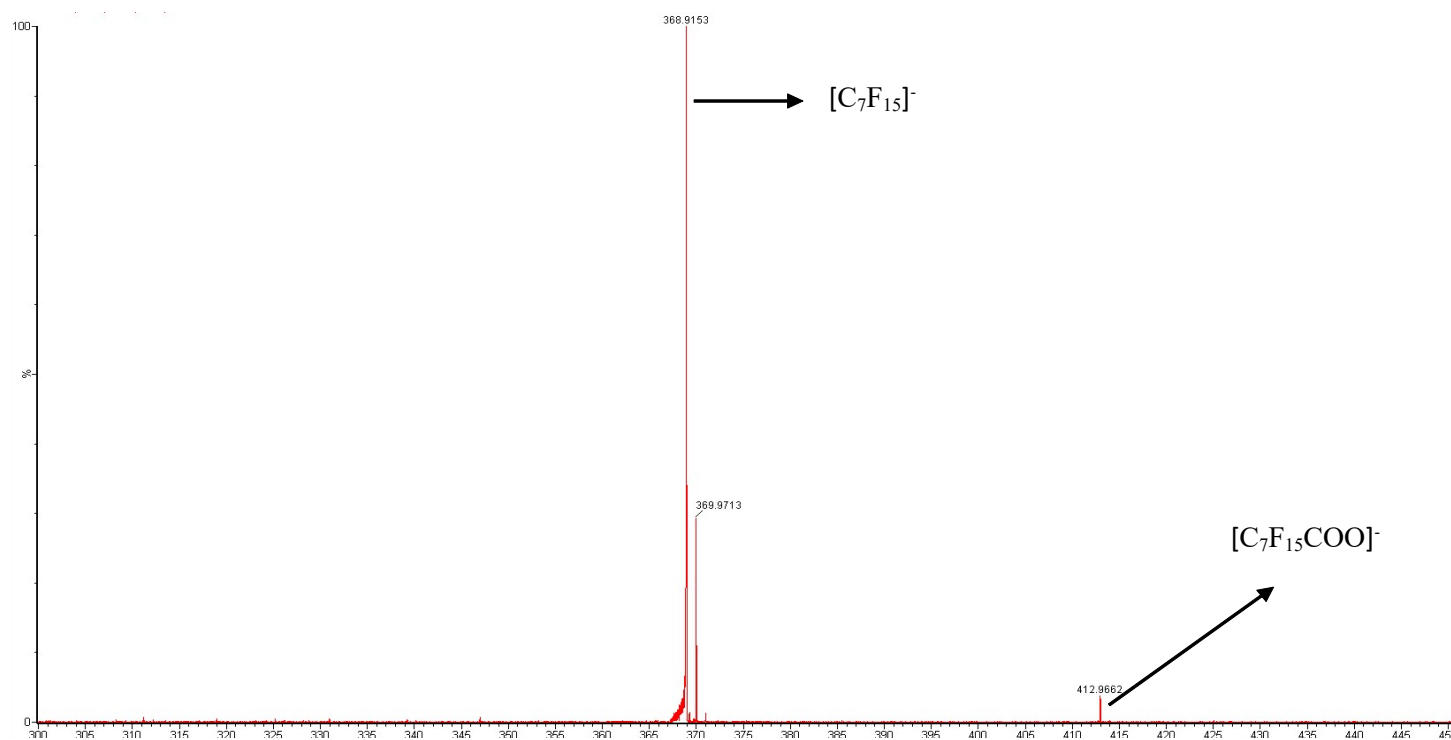


Fig.S3. Mass spectrum of PFOA reduction by $FMNH_2/TiO_2$ at negative mode before the reduction process.

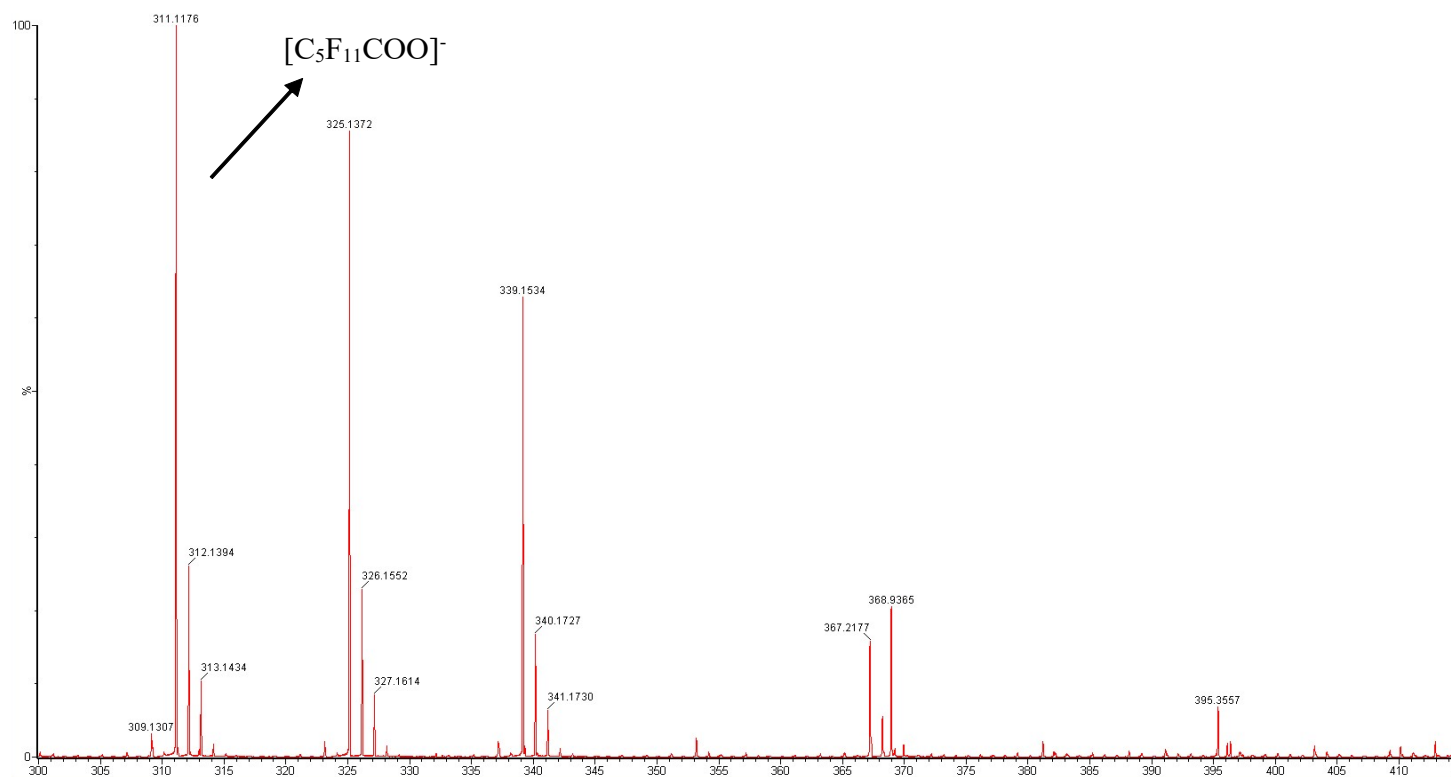


Fig.S4. Mass spectrum of PFOA reduction by $FMNH_2/TiO_2$ at negative mode after the reduction process.