

## Electronic Supplementary Information for:

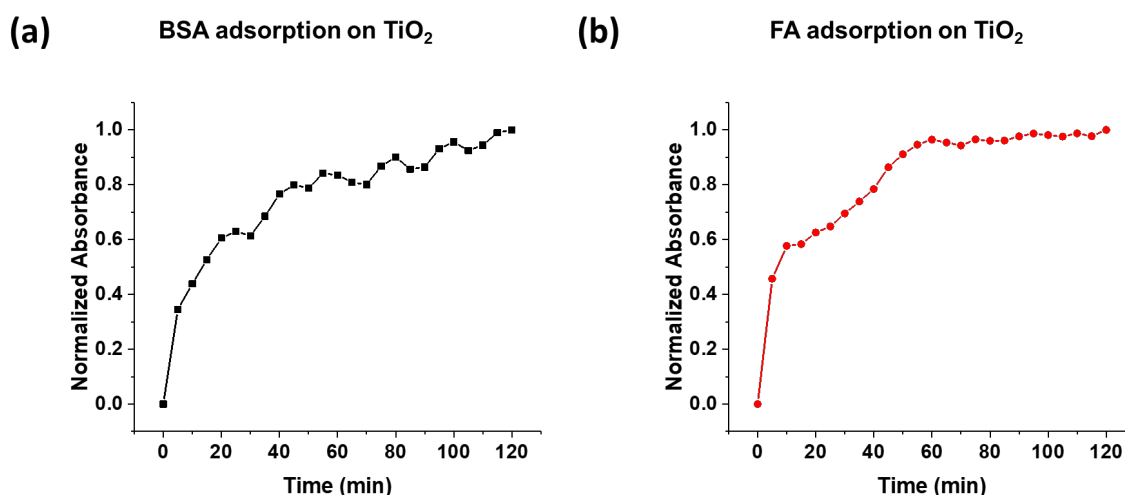
# Impact of Surface Adsorbed Biologically and Environmentally Relevant Coatings on TiO<sub>2</sub> Nanoparticle Reactivity

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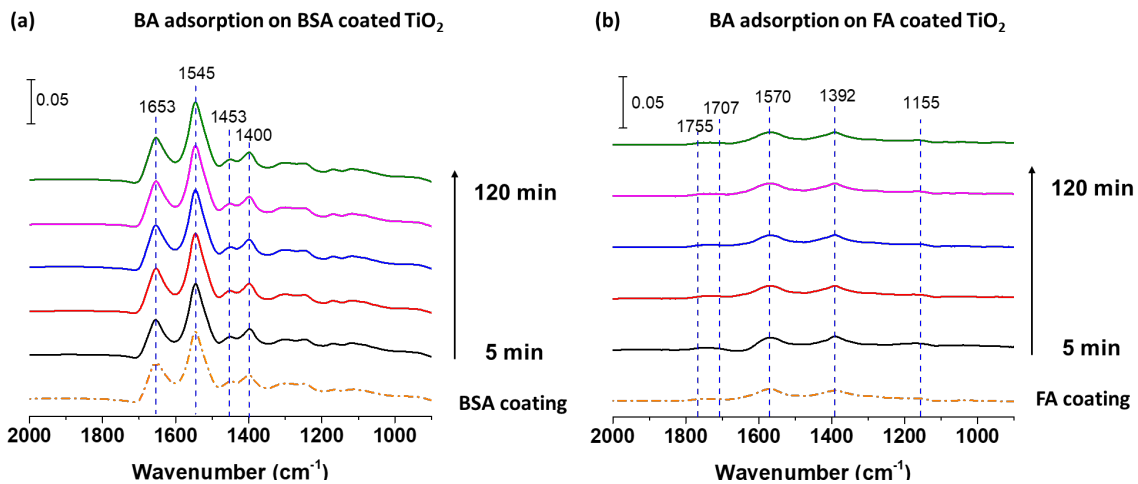
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**Figure S1.** Normalized absorbance of the ATR-FTIR spectra following (a) BSA and (b) FA adsorption on TiO<sub>2</sub> NPs as a function of time. These normalized absorbances correspond to surface saturation coverages at longer times (120 minutes) for absorption bands at 1544 cm<sup>-1</sup> for BSA and 1568 cm<sup>-1</sup> for FA.



**Figure S2.** ATR-FTIR spectra of BA adsorption on coated TiO<sub>2</sub> NPs, specifically for (a) BSA coated TiO<sub>2</sub> and (b) FA coated TiO<sub>2</sub>. Spectra s were collected at 5 min (black), 30 min (red), 60 min (blue), 90 (magenta), 120 min (green) and the orange dash line represent BA and FA adsorption on TiO<sub>2</sub> NPs in the absence of BA.