

Supplementary Information

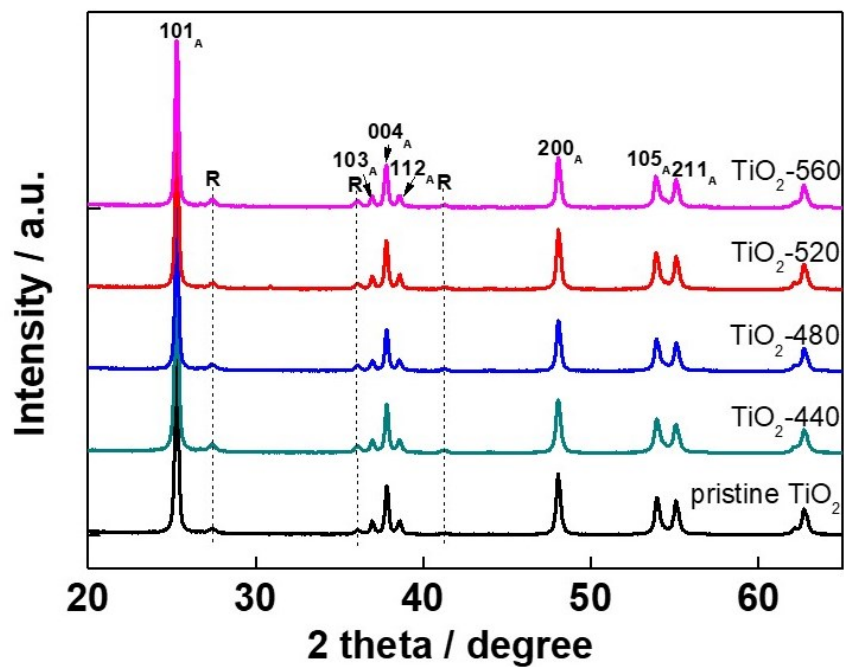


Figure S1 X-ray diffraction patterns of samples of pristine TiO_2 , TiO_2 -440, TiO_2 -480, TiO_2 -520 and TiO_2 -560.

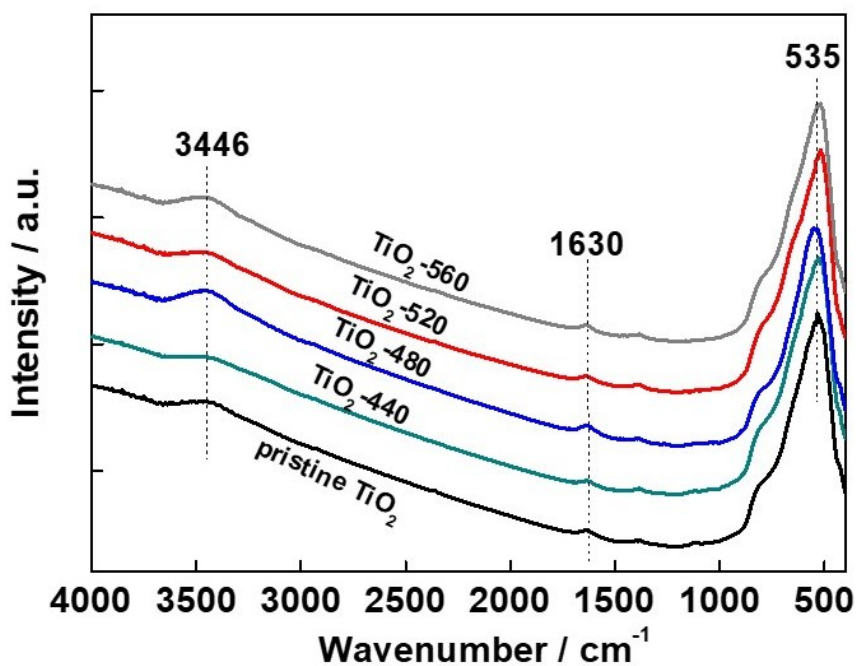


Figure S2 FTIR spectra of samples of pristine TiO_2 , TiO_2 -440, TiO_2 -480, TiO_2 -520 and TiO_2 -560.

Table S1 Atomic ratio of N to Ti determined from pristine surface of different samples by X-ray photoelectron spectroscopy.

Sample	TiO ₂ -440	TiO ₂ -480	TiO ₂ -520	TiO ₂ -560
N/Ti	7.03%	7.89%	11.01%	15.47%