Supporting Information

Novel N/Carbon Quantum Dots-Modified MIL-125(Ti) Composite for Enhanced Visible Light Photocatalytic Removal of NO

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Table. S1. The obtained BET surface area, pore volume and pore size of MIL-125(Ti) and 2.5% Vol N/CM(Ti).

Materials	BET surface area (m^2/g)	Pore volume (cm^3/g)	Pore size (Å)
MIL-125(Ti)	868.25	0.36	19.09
2.5% Vol N/CM(Ti)	1066.38	0.45	19.21

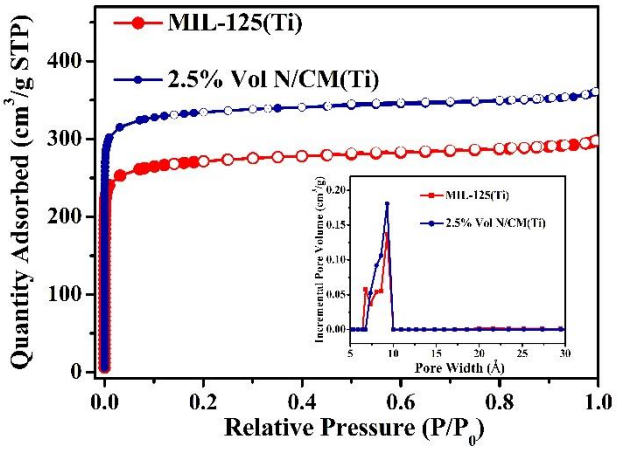

Fig. S1. N_2 adsorption-desorption isotherms of MIL-125(Ti) and 2.5 Vol% N/CM(Ti). Inset: pore size distribution.

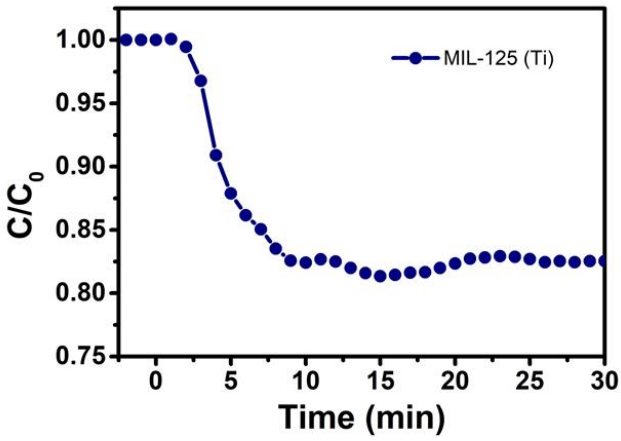

Fig. S2. The activity test of MIL-125(Ti) composite under the UV light irradiation.

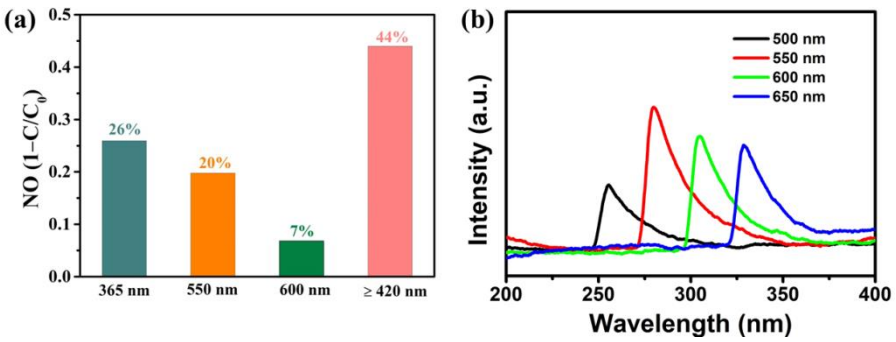

Fig. S3. (a) Activity of 2.5 Vol% N/CM(Ti) composite under light of different wavelengths: 365, ≥420 (420-800 nm), 550, and 600 nm. (b) The UCPL spectra of the prepared N/CQDs under 500, 550, 600, 650 nm.

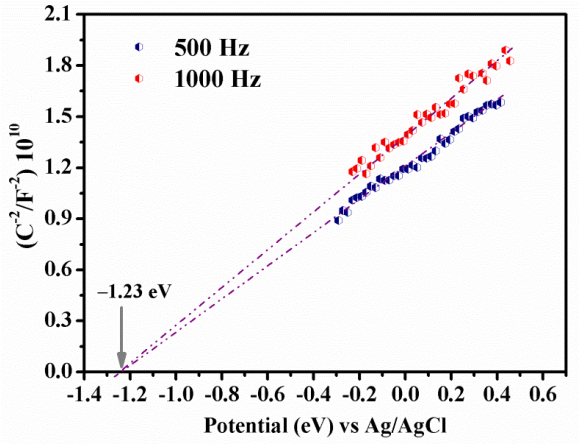

Fig. S4. Mott-Schottky plots of MIL-125(Ti) at a frequency of 500 and 1000 Hz.