

ESI

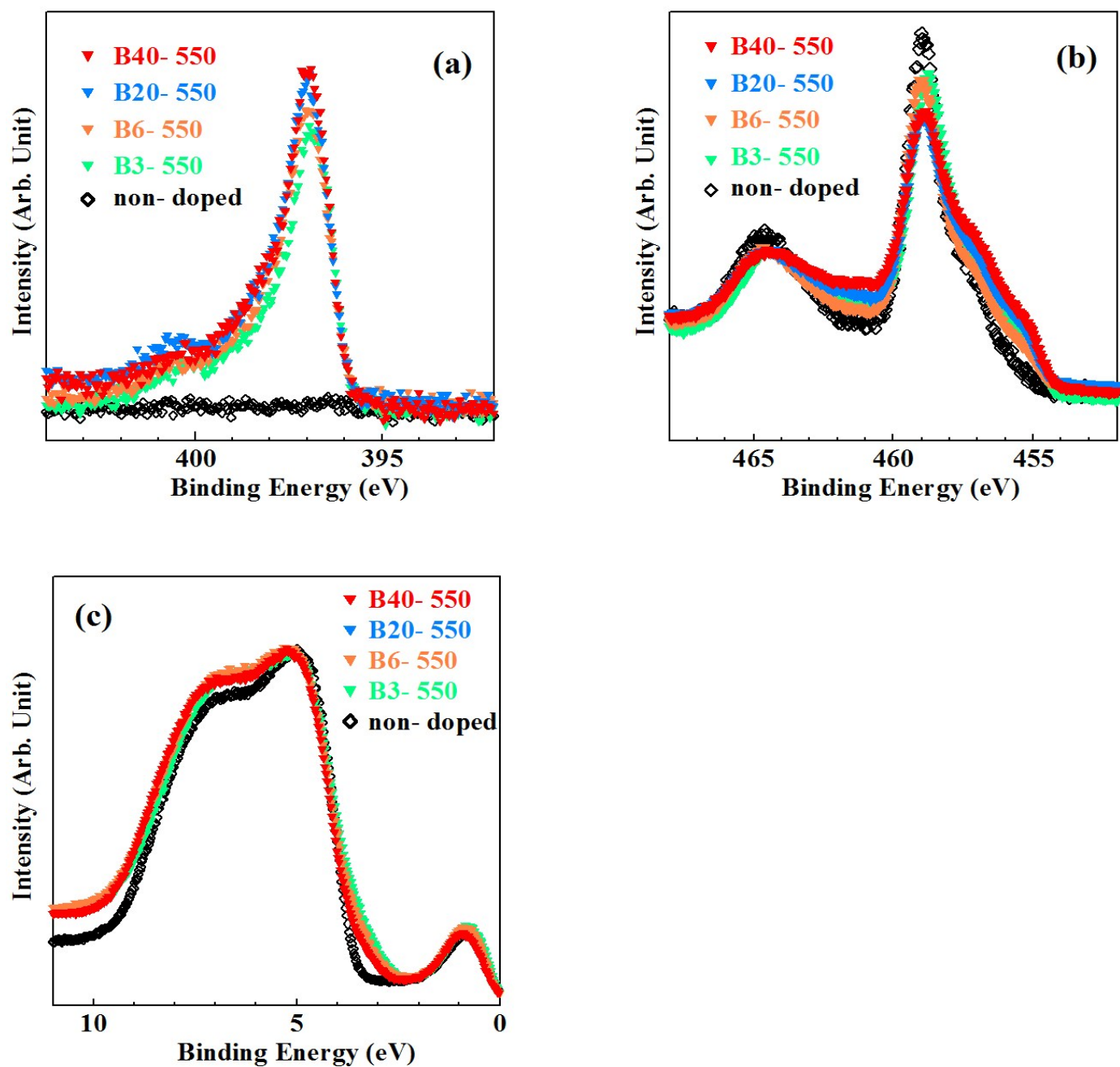


Fig. S1 XPS spectra for the samples synthesized by method B at 550°C. (a) N1s spectra, (b) Ti2p spectra and (c) VB spectra.

	Fang <i>et al.</i> ⁵⁵	Diwald <i>et al.</i> ¹¹	Asahi <i>et al.</i> ⁵	Present study
Degradation rate (h ⁻¹)	0.44	-	-	0.53
Quantum yield (%)	-	2.5	4.2	6.1
Optimum N density (at %)	0.08	-	1.1	4
Nitridation temperature (°C)	500	600	600	550

Table S1 The comparison of vis light photocatalytic activities among various studies using NH₃ gas for nitridation.