

Fig.1: (a) Adsorption energy calculation of TMA on Si(-H), SiO₂(-OH), SiN(-NH), SiN(-OH), and SiN(-F) surfaces. (b) XPS F1s spectra of the DHF treated Si, SiO₂, and SiN substrates. (c) XPS Al2p spectra of the TMA adsorbed Si, SiO₂, and SiN substrates.

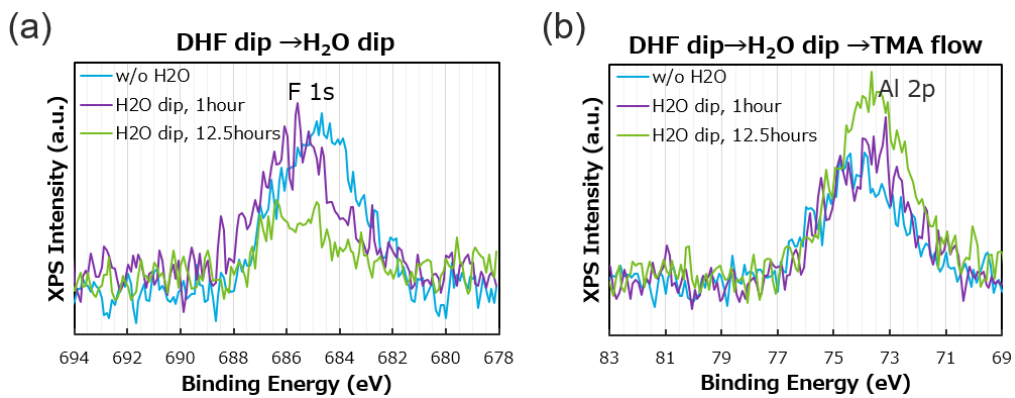


Fig.2: (a) XPS F1s spectra of the surface treated SiN substrates. (b) XPS Al2p spectra of the TMA adsorbed SiN substrates.