

Supporting Information:

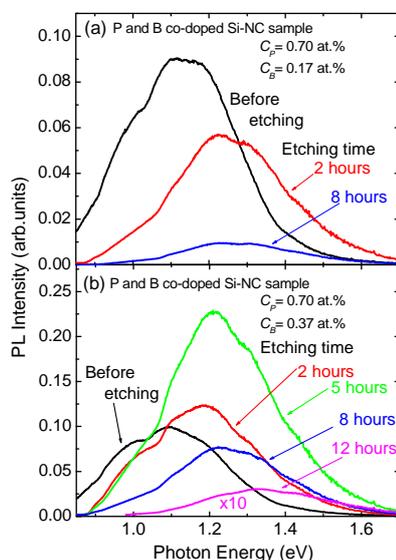


Figure S1. PL spectra of P and B co-doped Si-NC samples measured before and during etching in HF solution. (a) $C_P = 0.70$ at.%, $C_B = 0.17$ at.%, (b) $C_P = 0.70$ at.%, $C_B = 0.37$ at.%. The etching time is shown in the graphs.

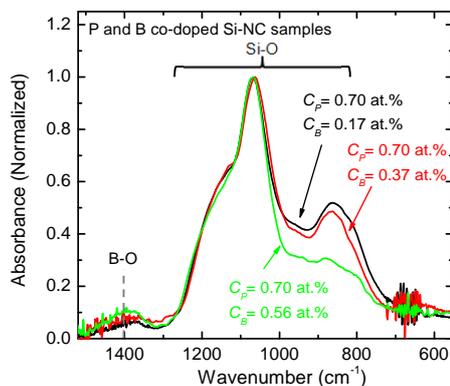


Figure S2. IR absorption spectra of P and B co-doped Si-NCs after etching 1 hour in HF solution and kept 4 weeks in methanol. P (C_P) and B (C_B) concentration in the samples before etching is shown in the graphs. For the measurements, the solutions were dropped on KBr plates and dried in air.