

Supporting information

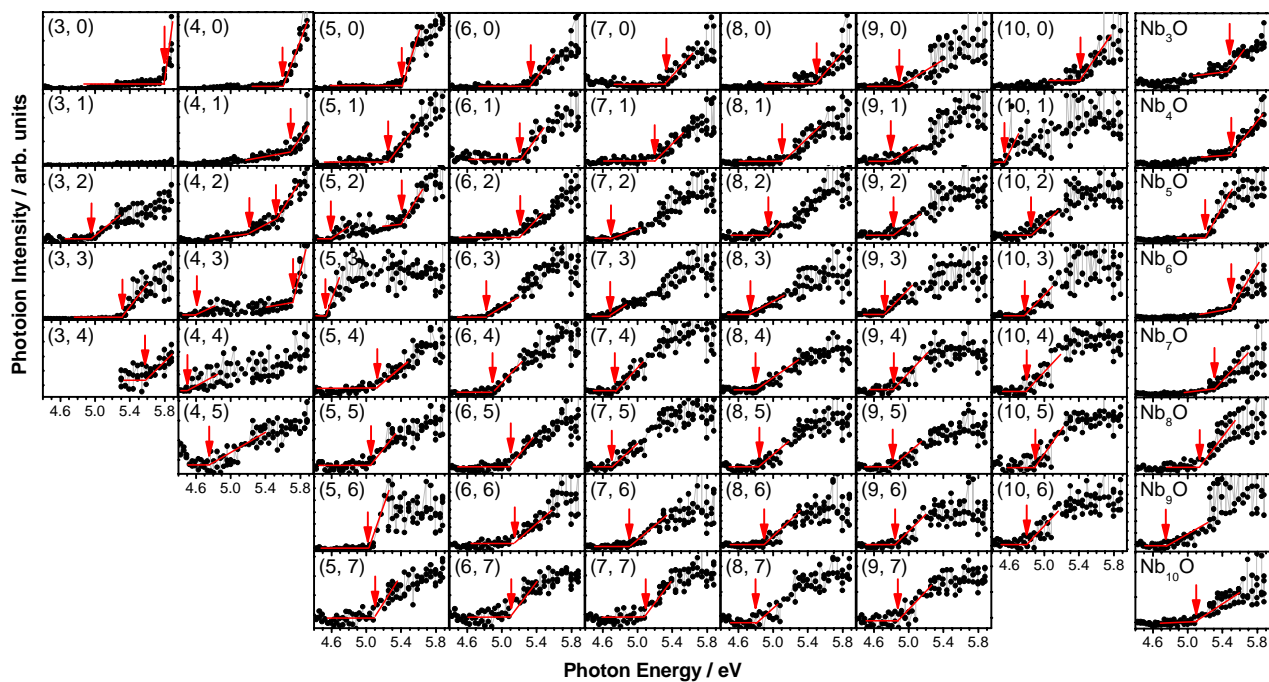


Figure S1. Photoionization efficiency spectra for Nb_nC_m and Nb_nO ($n = 3-10$; $m = 0-7$) clusters. Arrows indicate the lowest and second lowest ionization thresholds.

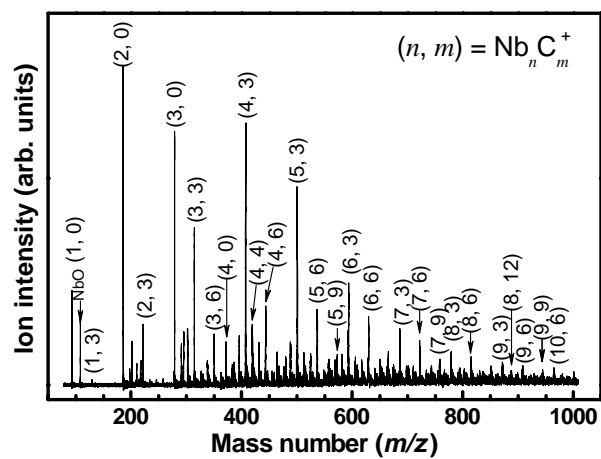


Figure S2. Mass spectrum of native Nb_nC_m^+ cluster ions produced in the double laser ablation source.

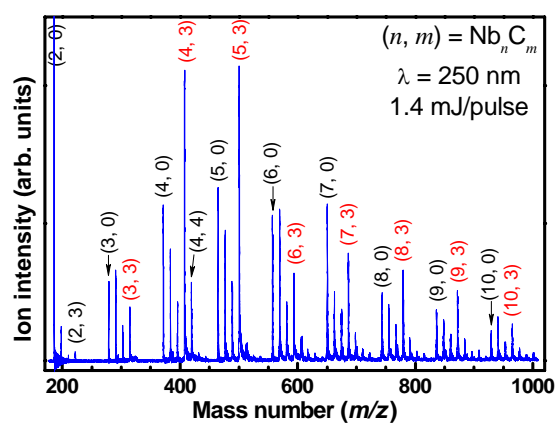


Figure S3. Mass spectrum of Nb_nC_m clusters photoionized at the wavelength of 250 nm with the pulse energy of 1.4 mJ. Abundantly formed Nb_nC_3^+ clusters are labeled in red.