

# Supplementary Figures

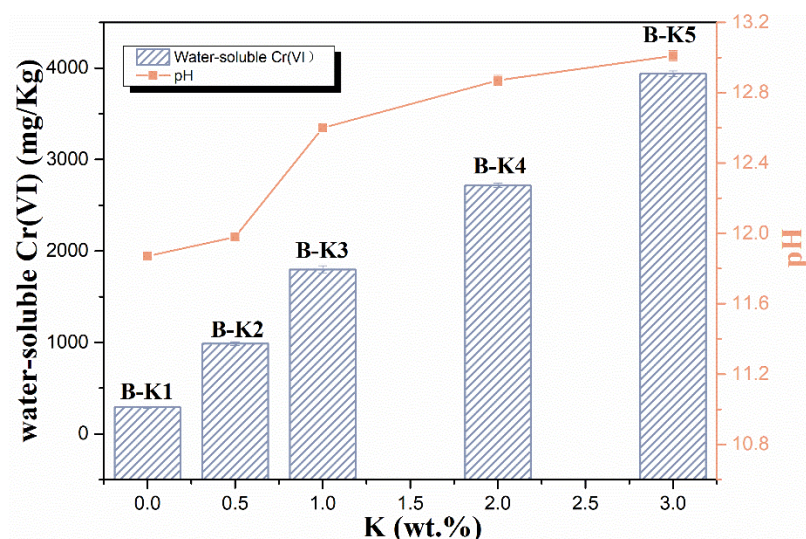


Figure S1. Water-soluble Cr(VI) of samples B-K1–B-K5 and pH in the filtrates of samples B-K1–B-K5.

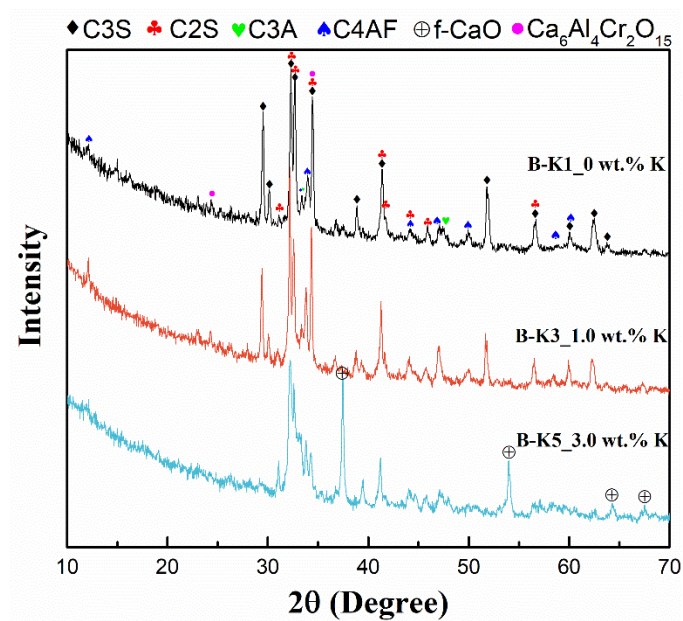
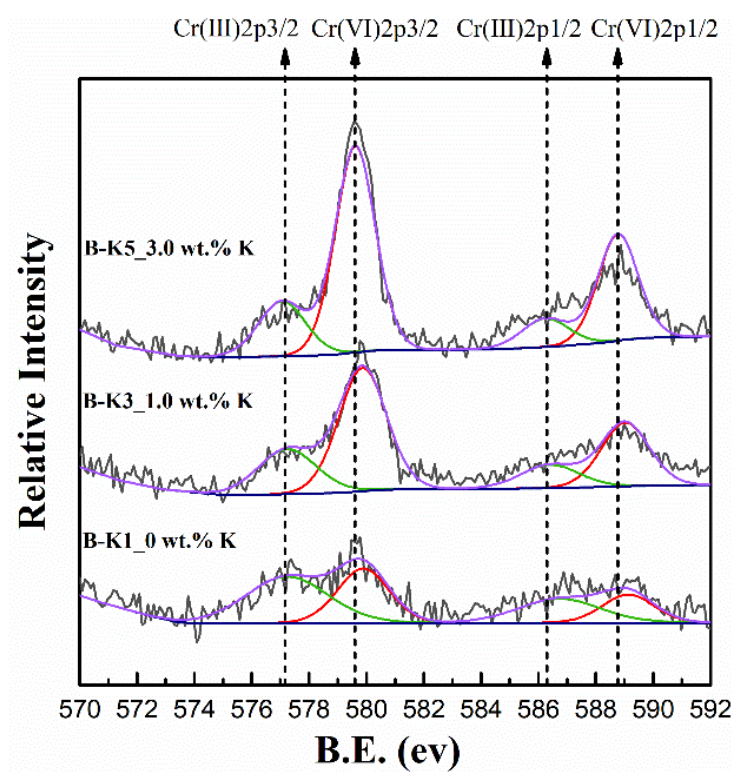


Figure S2. X-ray diffraction patterns of leach residues of samples B-K1, B-K3 and B-K5.



**Figure S3.** XPS spectra of the synthesized samples B-K1, B-K3 and B-K5.