Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supporting Information

Construction of $Bi_2WO_6/Bi_4V_2O_{11}$ heterojunction for highly efficient visible-light-driven photocatalytic reduction of Cr(VI)

Chol-Nam Ri*, Song-Gol Kim, Ju-Yong Jong, Sung-Nam Pak, Song-Chon Ri and Jong-Hwa Ri

Institute for electronic materials, Kim Il Sung University, Pyongyang, 999093, Democratic People's Republic of Korea

*Corresponding Author: rcn906@yahoo.com

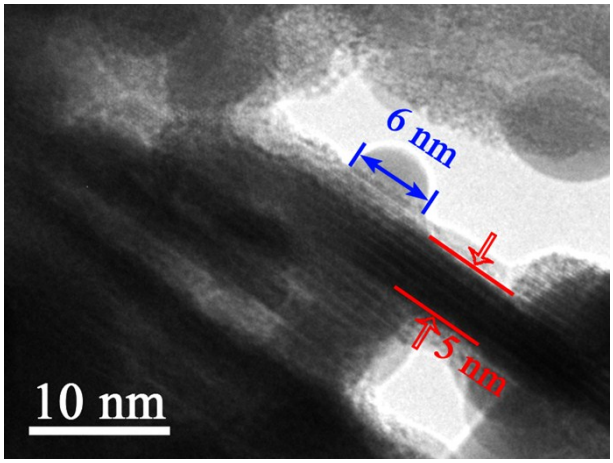

Fig. S1. TEM image of BWV-82 sample.

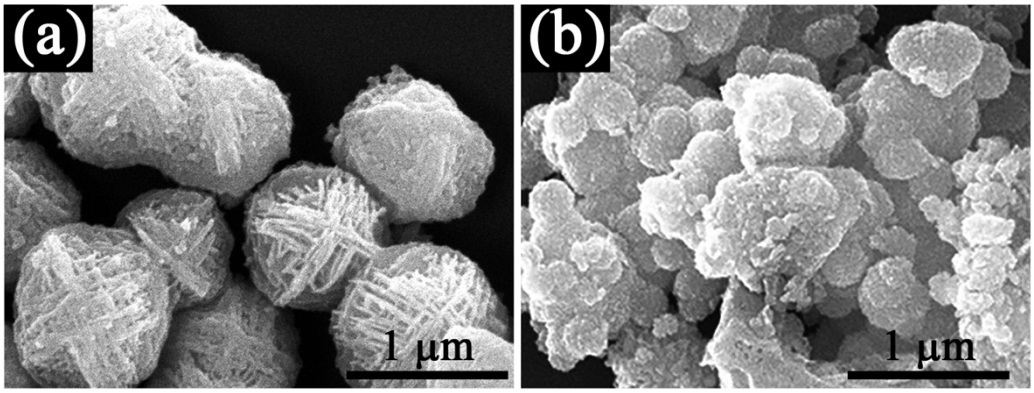

Fig. S2. SEM images of (a) BWV-46 and (b) BWV-64 samples.

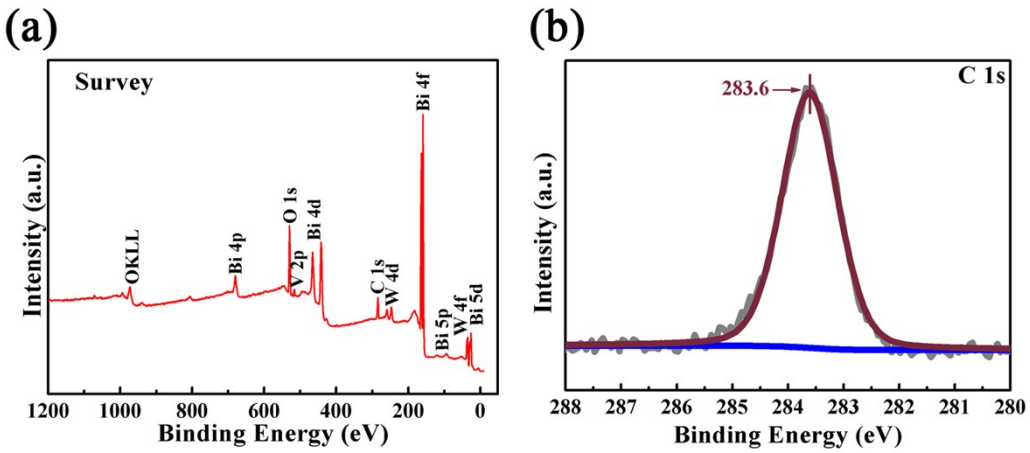

Fig. S3. XPS spectra of BWV-82 sample: (a) survey, (b) C ls.

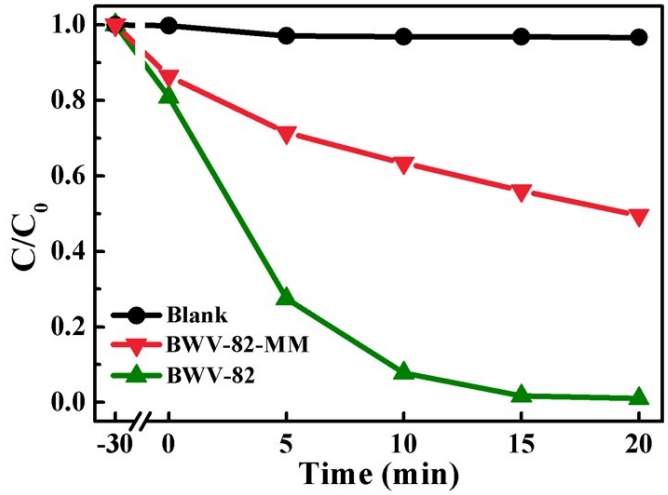

Fig. S4. photocatalytic reduction curves of Cr(VI) aqueous solution over the BWV-82-MM (mechanical mixed sample) and the BWV-82 heterojunction photocatalyst under visible-light irradiation.

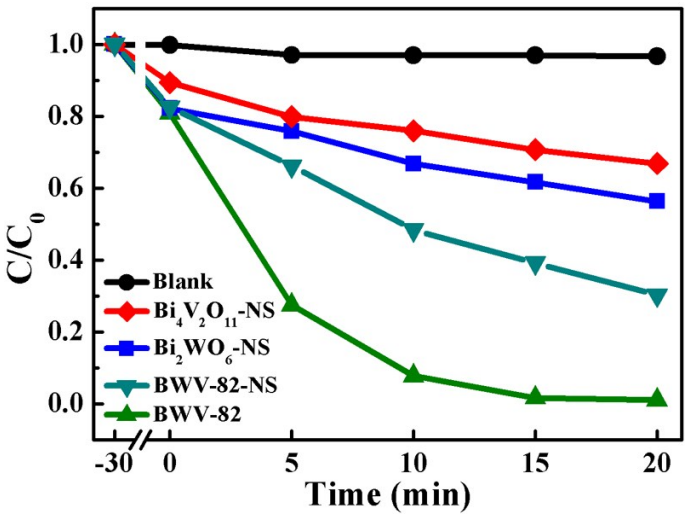

Fig. S5. photocatalytic reduction curves of Cr(VI) aqueous solution over the BWV-82-NS (without citric acid as a hole scavenger) and the BWV-82 heterojunction photocatalyst (with citric acid) under visible-light irradiation.