## **Electronic Supplementary Information**

Novel two-dimensional Bi<sub>4</sub>V<sub>2</sub>O<sub>11</sub> nanosheets: controllable synthesis,

## characterization and band structure insight

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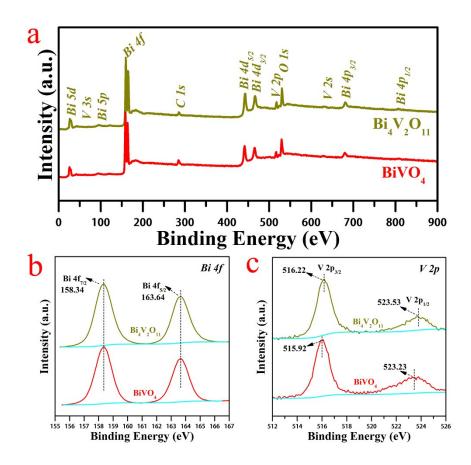


Fig S1. The full range XPS spectrum of  $Bi_4V_2O_{11}$  and  $BiVO_4$  (a); the high-resolution spectrum of (b) Bi 4f and (c) V 2p.