

Supporting Information

First-Principle Investigations of Structural, Electronic, Magnetic and Optical Properties of Bulk BiVO₃

Biao Liu, Li-Juan Wu, Yu-Qing Zhao, Ling-Zhi Wang, Meng-Qiu Cai*

School of Physics and electronics Science, Hunan University, Changsha, Hunan 410082, People's Republic of China

S1: The computed exchange interactions j_i are showed in Table below.

Table: Values of Spin Exchange Parameters (in meV) of BiVO₃, determined from GGA+U calculations. The bond length is showed in Fig. 1.

Bond length	V ₁ -V ₂	V ₁ -V ₃	V ₂ -V ₄	V ₃ -V ₄
j_i	13.45	-6.85	-4.76	8.96

* Corresponding author. Tel.: +86 731 88821177.
E-mail address: mqcai@hnu.edu.cn (M.Q. Cai)