Correction to: Highly efficient visible light-induced photocatalytic degradation of methylene blue over $\text{InVO}_4/\text{BiVO}_4$ composite photocatalyst

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After the manuscript was reviewed thoroughly, two errors were found in the original article. Here, the corrections for the errors in the article have been described as follows:

1. In the original article, “the χ value of InVO_4 is 5.03 eV” in the section of “Photocatalytic mechanism” was incorrect. The re-calculated χ value of

InVO_4 was 5.74 eV as reported by the reference #47 (Guo F, Shi W, Lin X, Yan X, Guo Y, Che G (2015) Novel $\text{BiVO}_4/\text{InVO}_4$ heterojunctions: facile synthesis and efficient visible-light photocatalytic performance for the degradation of rhodamine B. Sep Purif Technol 141:246–255). Therefore, the conduction band and valence band of InVO_4 were re-calculated to be -0.24 eV and 2.73 eV, respectively. From these values, the valence and conduction band potentials of InVO_4 in Fig. 9 were corrected as depicted below:

The original article can be found online at <https://doi.org/10.1007/s10853-015-9126-6>.

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Fig. 9 Possible photocatalytic mechanism for degradation of methylene blue over $\text{InVO}_4/\text{BiVO}_4$ composite under visible light irradiation.

2. The statement of “ E_g is the band gap of InVO_4 (3.17 eV) and BiVO_4 (2.44 eV)” in the original

article was incorrect. The band gap was estimated by the linear extrapolation of the leading edge of the $[F(R)h\nu]^2$ function to zero. Therefore, the correct band gaps of pure InVO_4 and BiVO_4 samples were 2.97 eV and 2.60 eV.

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