



# Correction: Monolayer BP: A Promising Photocatalyst for Water Splitting with High Carrier Mobility

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The authors neglected to cite a related article in this work. This has now been included in a corrected manuscript. In the Page. 3: The CBM and VBM of the monolayer BP are calculated to be -0.27eV and 1.08eV (-4.17eV and -5.52eV versus the vacuum level). This result is similar to that obtained by predecessors using PWcav (use a PW basis in a vacuum), which is (-4.06eV and -5.39eV versus the vacuum

level) [33]. These differences may be caused by different calculation methods. But the edges are almost at the same energy level, which fits well with previous studies.

[33] Tatsuo S (2022) Theoretical proposal of a revolutionary water-splitting photocatalyst: The monolayer of boron phosphide, *Appl Surf Sci* 598: 153844.

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