

Supporting Materials

Improving Photocatalytic Activity of KNbO_3 under Visible Light

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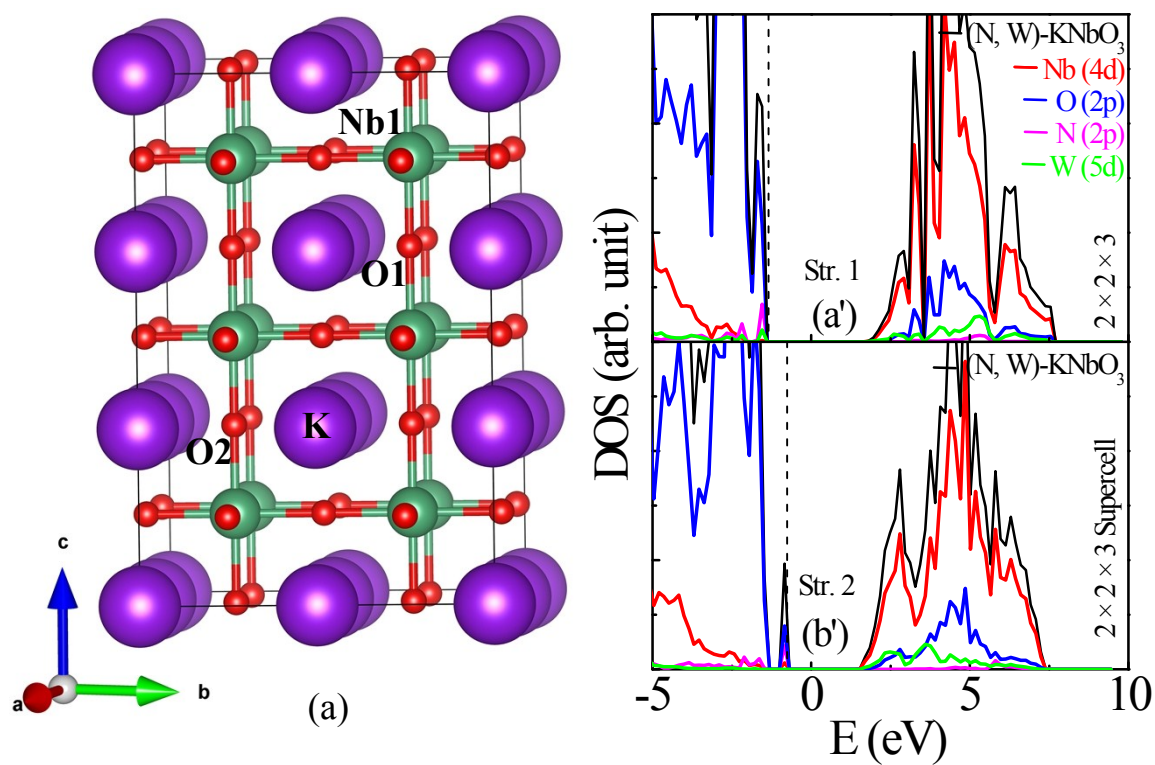


Figure S1: A $2 \times 2 \times 3$ supercell of KNbO_3 cubic crystal structure (a). Number indicates position of the dopant element. Density of states of (N, W)-codoped KNbO_3 (N: 2.78%, W: 8.33%) using Str. 1 (a') and Str. 2 (b') for $2 \times 2 \times 3$ supercell. The vertical line in the density of states plot indicates the Fermi level.

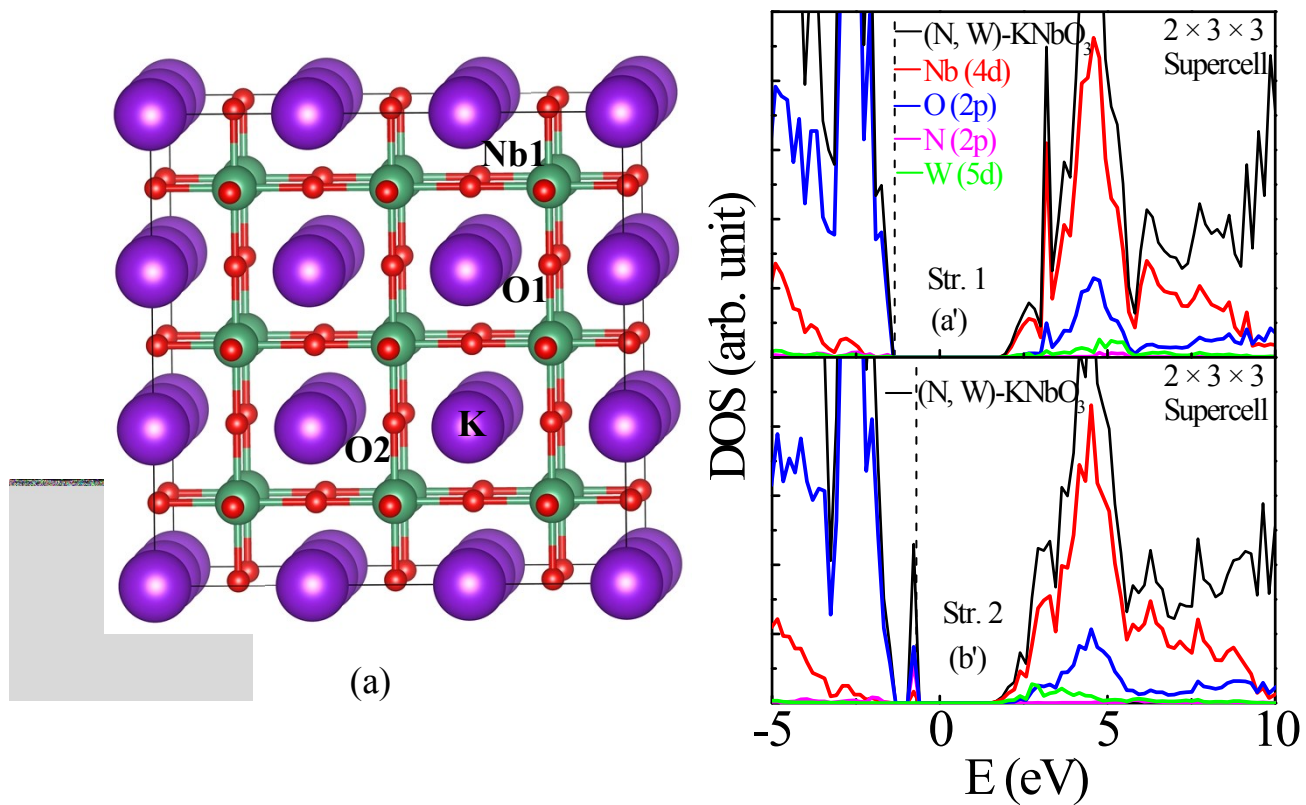


Figure S2: A $2 \times 3 \times 3$ supercell of KNbO_3 cubic crystal structure (a). Number indicates position of the dopant element. Density of states of (N, W)-codoped KNbO_3 (N: 1.85%, W: 5.55%) using Str. 1 (a') and Str. 2 (b') for $2 \times 3 \times 3$ supercell. The vertical line in the density of states plot indicates the Fermi level.