

Hydrothermal Fabrication of PbMoO₄ Microcrystals with Exposed (001) Facets and Its Enhanced Photocatalytic Properties

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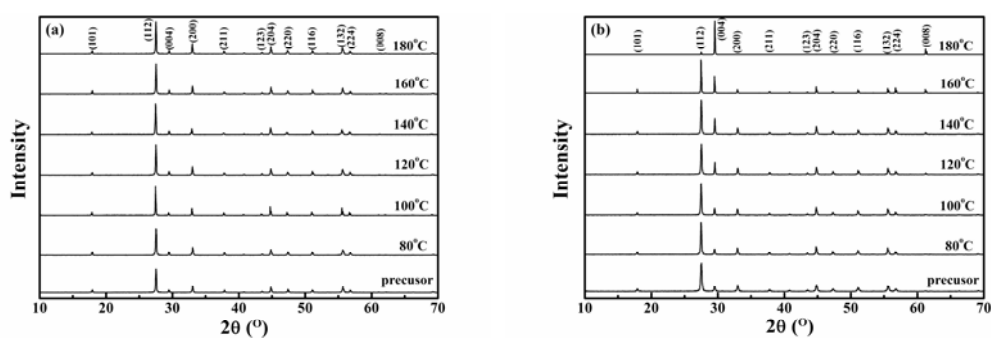
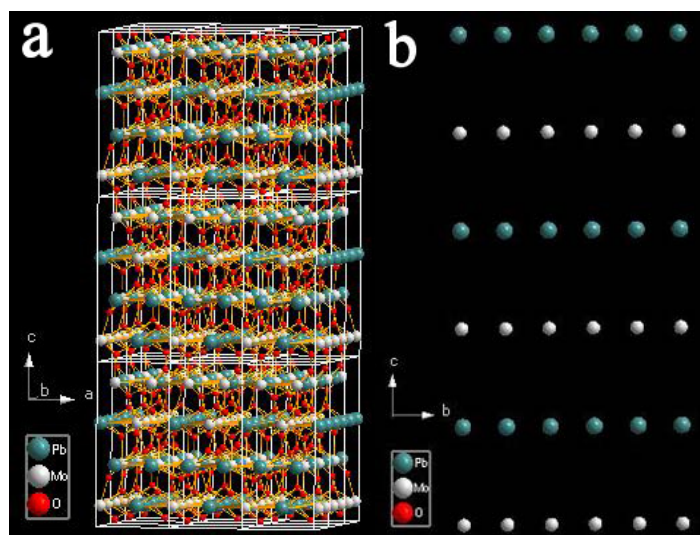


Fig. S1 XRD patterns of PbMoO₄ derived from different hydrothermal temperatures for 24 h in the absence of CTAB (a) and in the presence of CTAB (b).



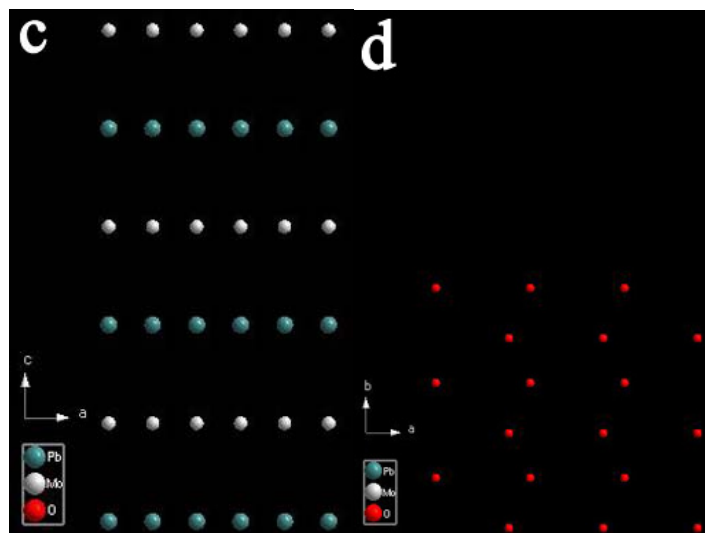


Fig. S2 The structure model illustration of PbMoO_4 (3×3 lattices) (a) and the surface atomic configurations in the (100) (b), (010) (c) and (001) (d) facets.

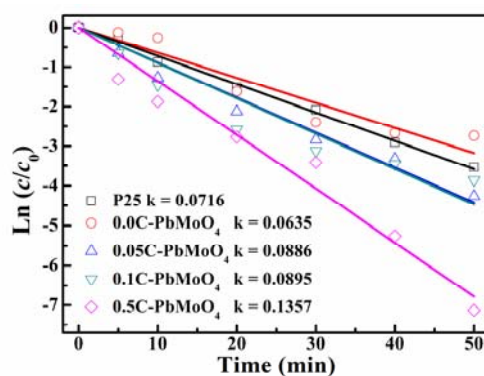


Fig. S3 First-order plots for the photocatalytic degradation of RhB using various photocatalysts. (a): P25; (b): 0.0C- PbMoO_4 ; (c): 0.05C- PbMoO_4 ; (d): 0.1C- PbMoO_4 ; and (e): 0.5C- PbMoO_4 .