

Anomalous Second Harmonic Generation (SHG) Response in MBPO₅ (M=Sr, Ba)

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Supplementary Information:

Figure S1. The XRD patterns of SrBPO₅ and BaBPO₅.

Figure S2. Interference patterns of SrBPO₅ and BaBPO₅.

Figure S3. The type I SHG phase matching curves of SrBPO₅ and BaBPO₅.

Figure S4. The differential thermal analysis of SrBPO₅ and BaBPO₅.

Figure S5. Optical homogeneity of SrBPO₅ and BaBPO₅.

Figure S6. Band structures of SrBPO₅ and BaBPO₅ calculated along selected high symmetry k-points.

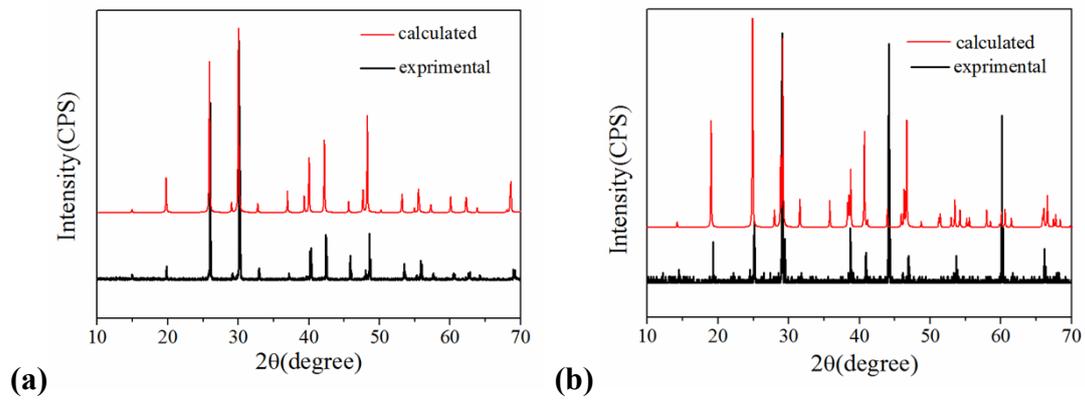


Figure S1. The XRD patterns of SrBPO₅ (a) and BaBPO₅ (b).

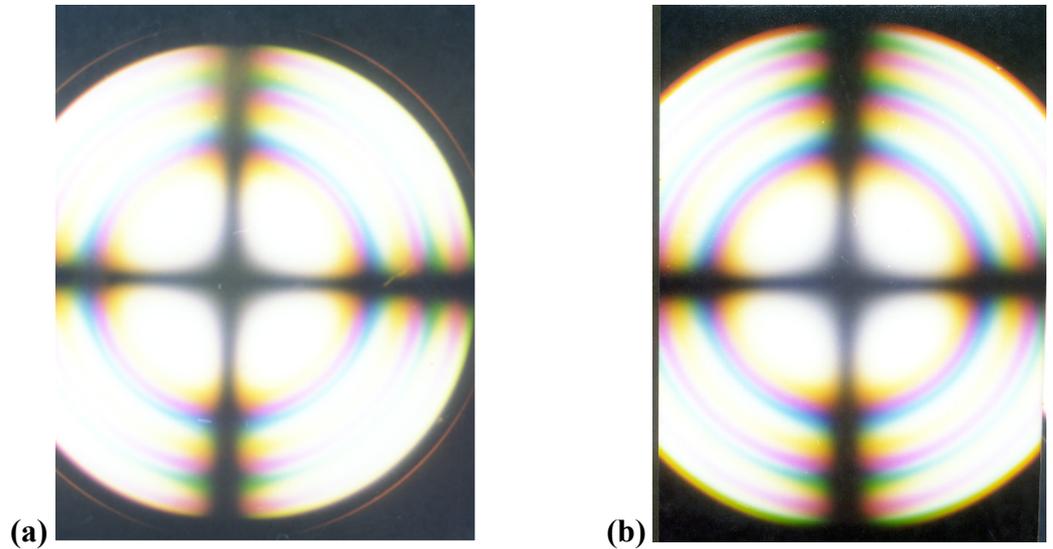


Figure S2. Interference patterns of SrBPO₅ (a) and BaBPO₅ (b).

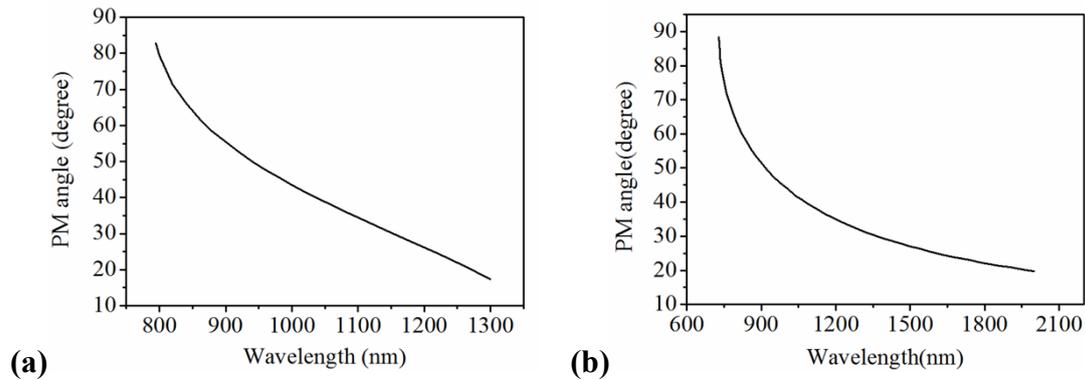


Figure S3. The type I SHG phase matching curve of SrBPO₅ (a) and BaBPO₅ (b).

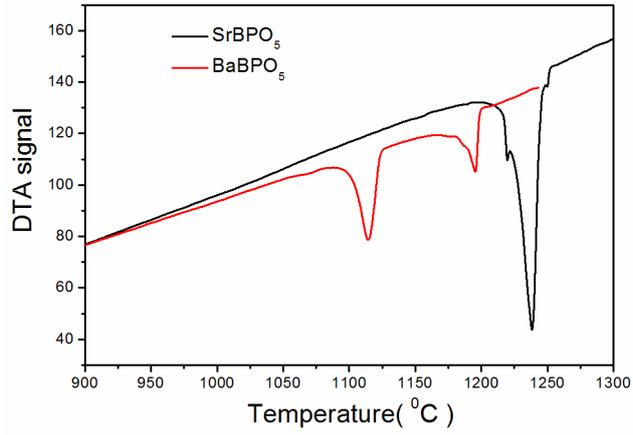


Figure S4. The differential thermal analysis of SrBPO₅ and BaBPO₅.

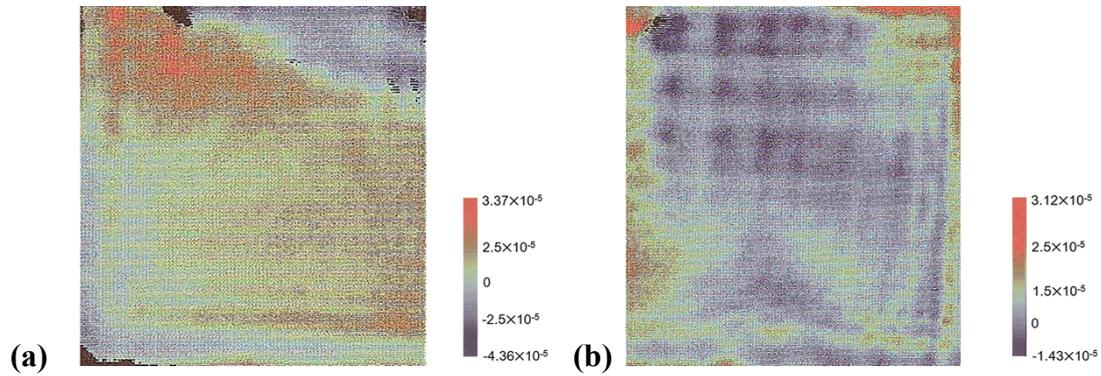


Figure S5. Optical homogeneity of SrBPO₅ (a) and BaBPO₅ (b).

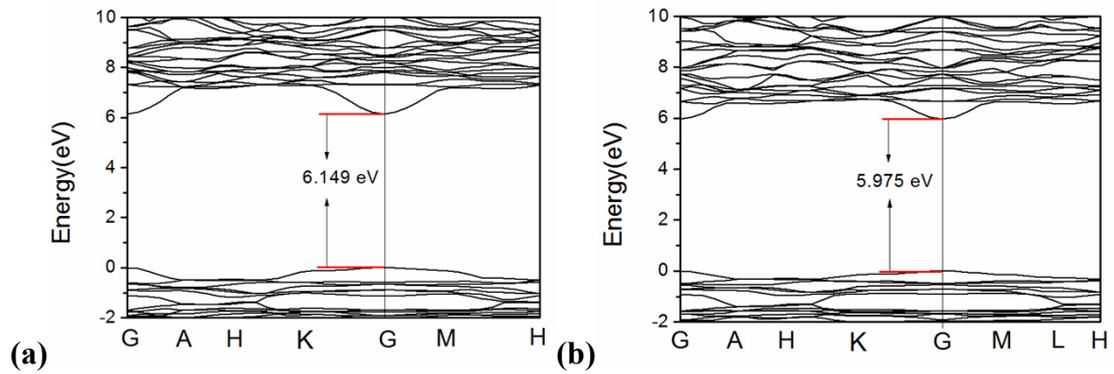


Figure S6. Band structures of SrBPO₅ (a) and BaBPO₅ (b) calculated along selected high symmetry k-points.