

Supporting Information

Construction of direct Z-scheme BiOBr/CuI heterojunction for boosting photocatalytic degradation of phenol

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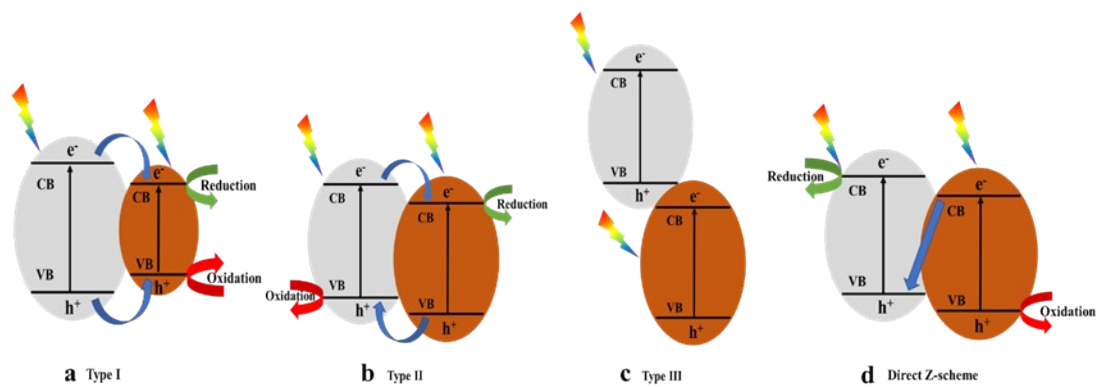


Figure S1. Schematic diagram of the separation of electrons and holes for three conventional heterojunctions and direct Z-scheme: (a) Type I (b) Type II (c) Type III (d) Direct Z-scheme

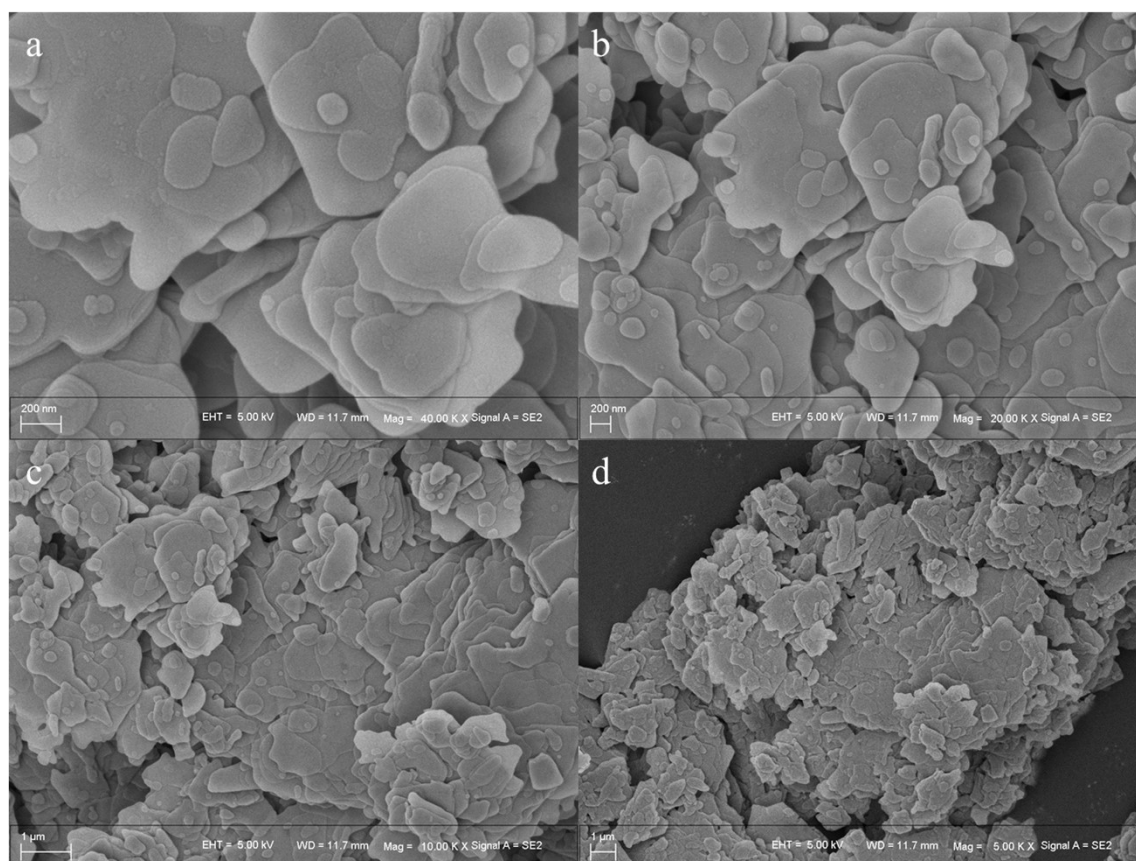


Figure S2. SEM images of BiOBr under 200 nm (a, b) and 1 μm (c, d)

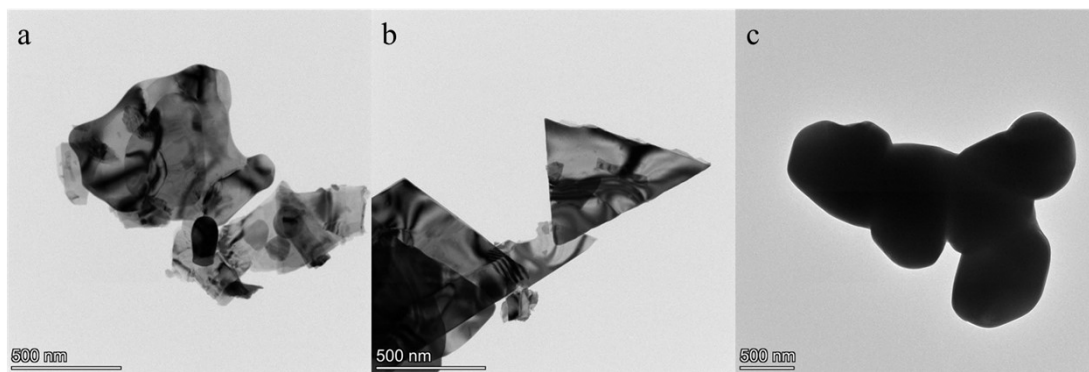


Figure S3. TEM images of BiOBr (a), BiOBr/CuI-1:0.8 (b) and CuI (c)

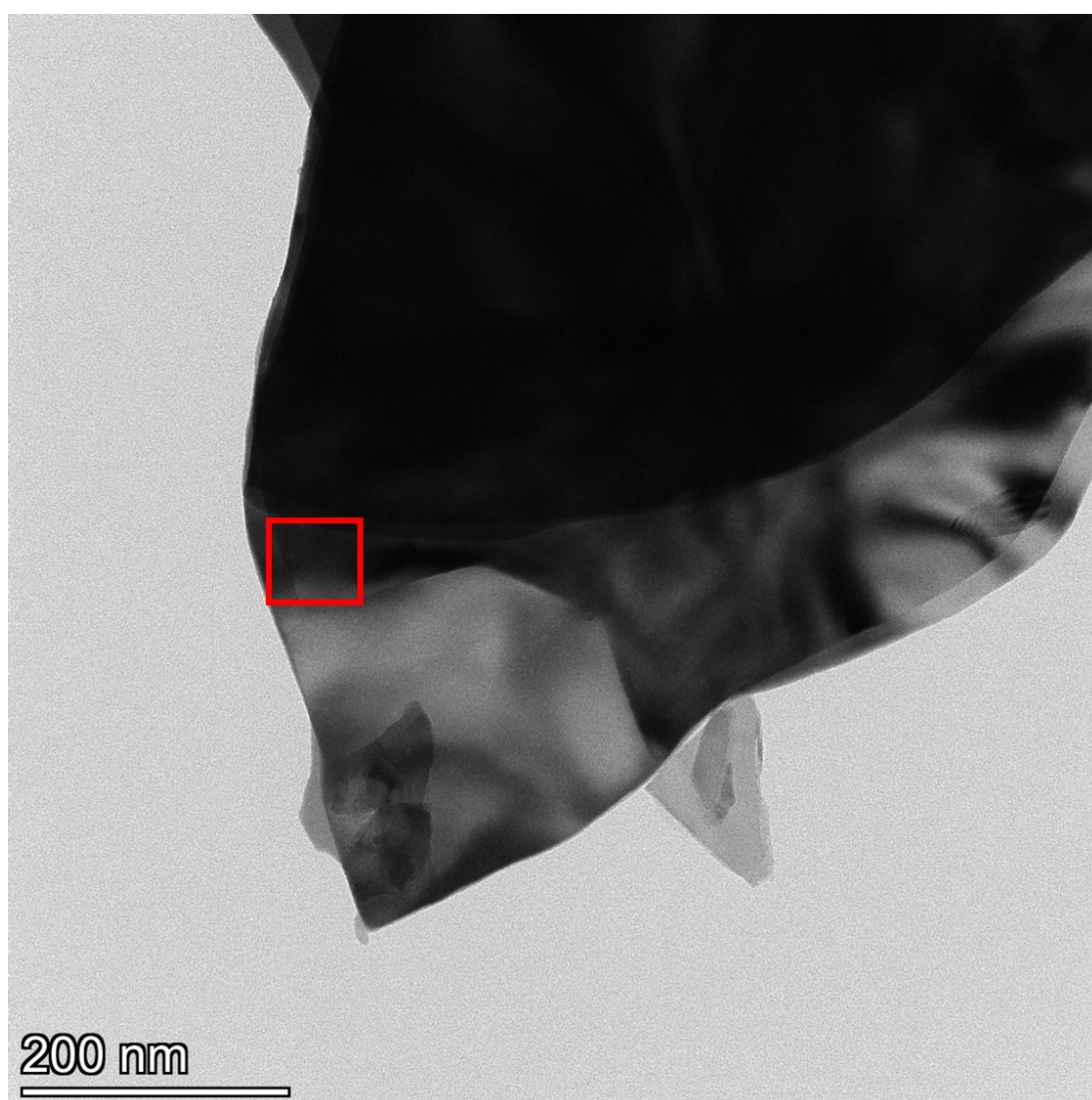


Figure S4. TEM image of BiOBr/CuI-1:0.8

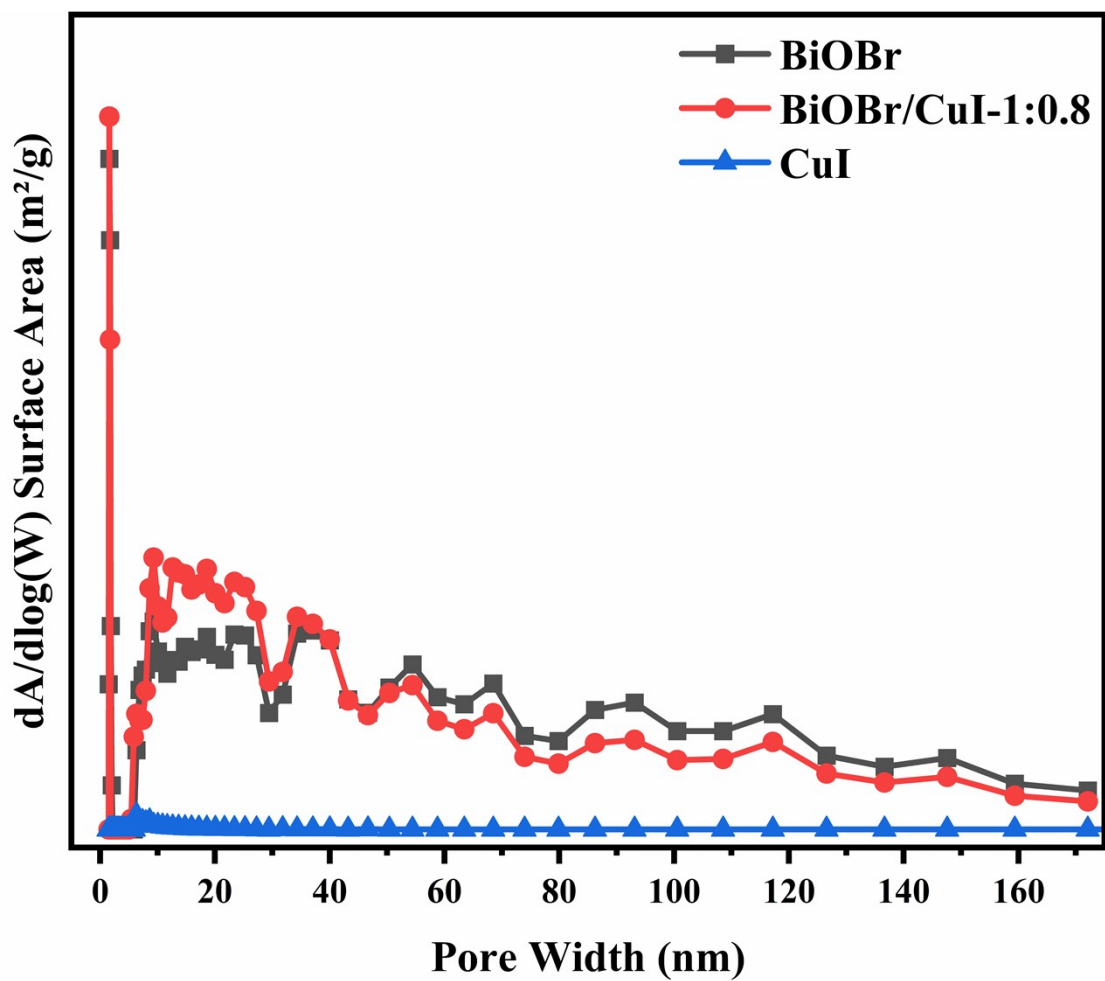


Figure S5. The pore size distribution of BiOBr, BiOBr/CuI-1:0.8 and CuI

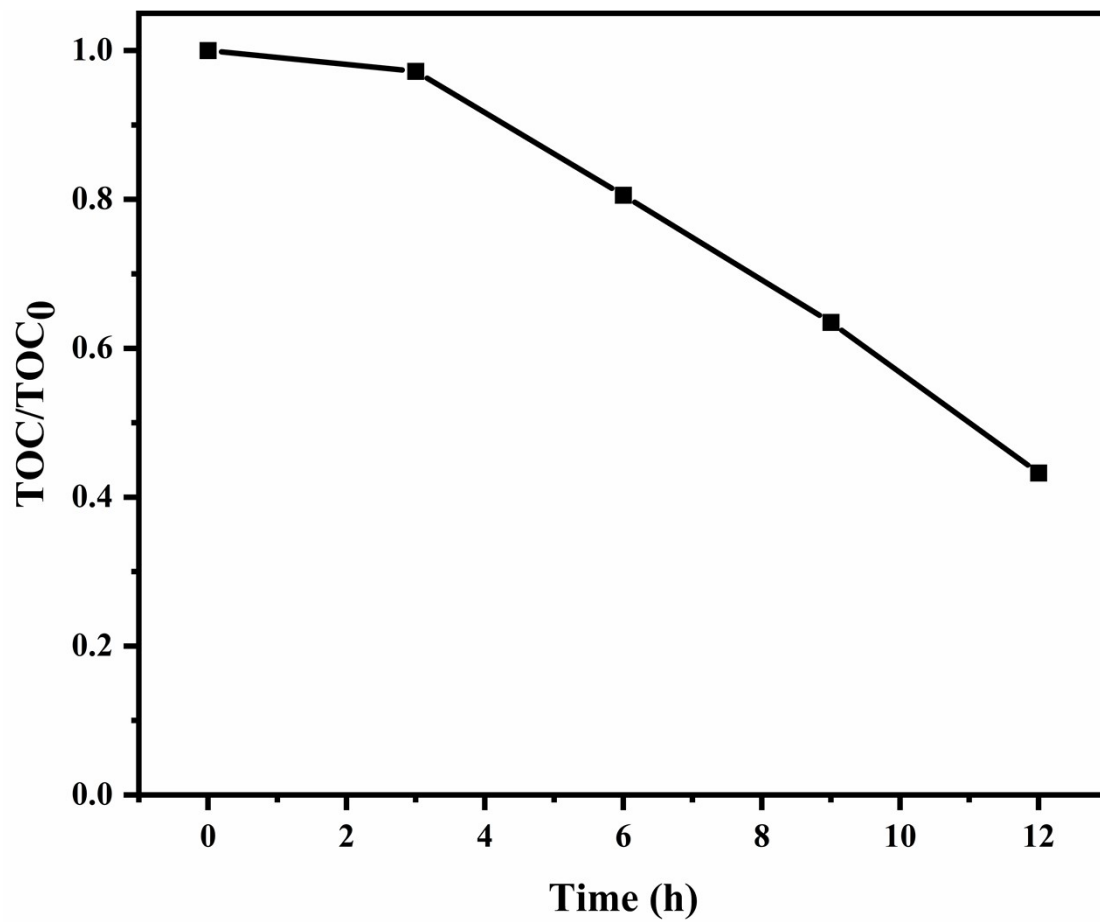
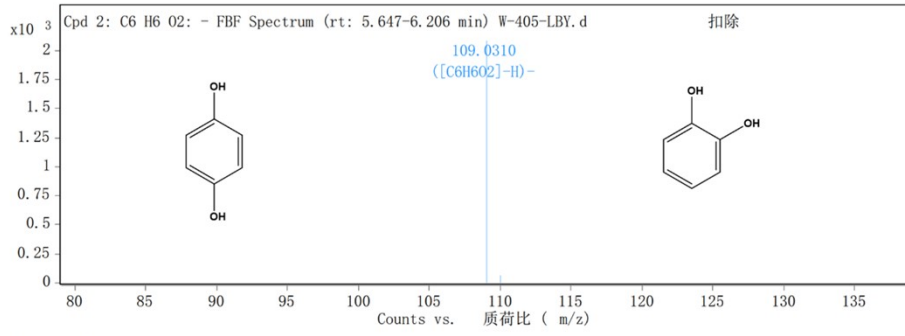
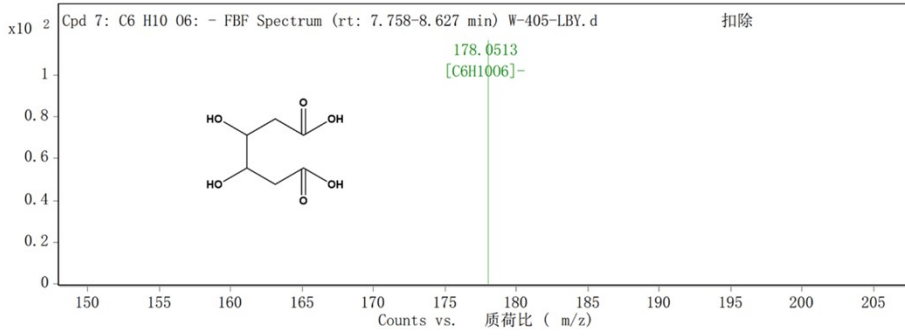


Figure S6. Mineralization rate of phenol degraded by BiOBr/CuI-1:0.8 for 12 hours

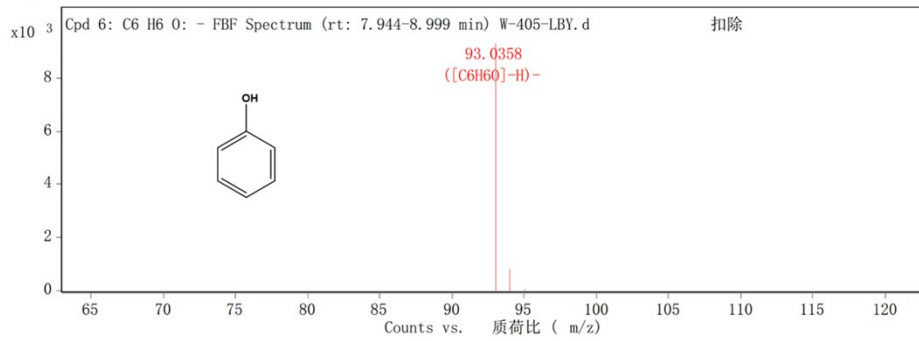
MS 缩放的质谱图

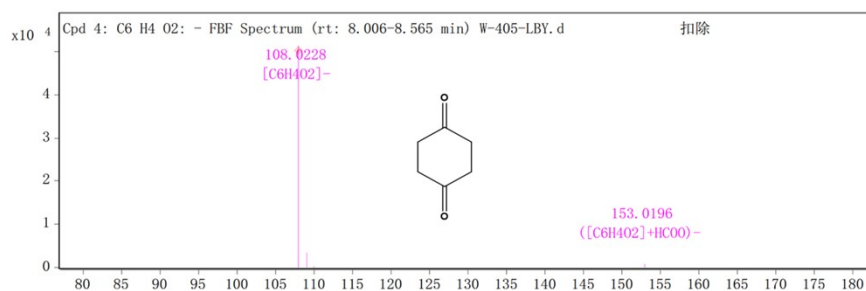


MS 缩放的质谱图

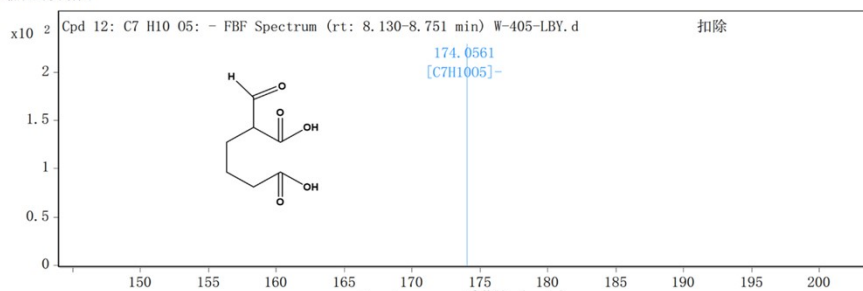


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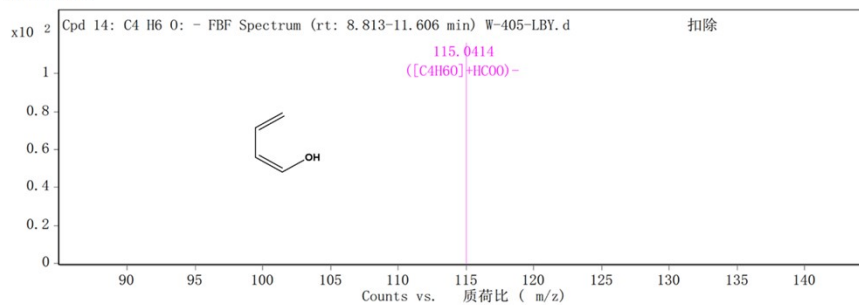




MS 缩放的质谱图



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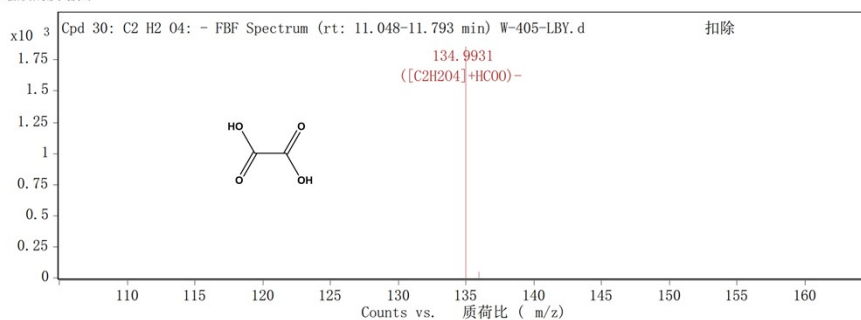


Figure S7. Results of mass spectra