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Electronic Supplementary Information (ESI) for

Facile Synthesis of Bimetal Au-Ag Nanoparticles in Cu(I) Boron Imidazolate Framework with Mechanochromic Property

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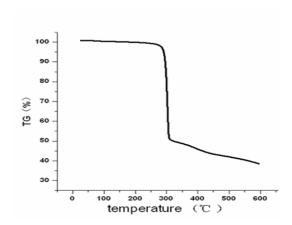


Figure S1. Thermogravimetric analysis of BIF-38 sample.

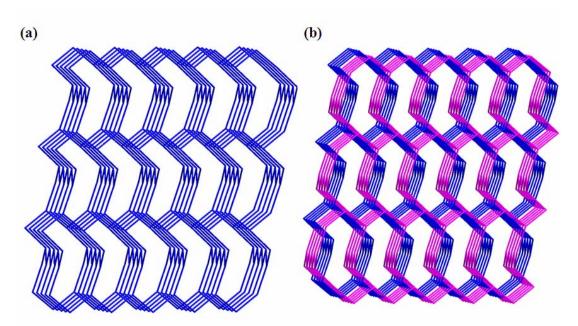


Figure S2. (a) Representations of the ths net in BIF-38; (b) view of the two-fold interpenetrated ths net of BIF-38.

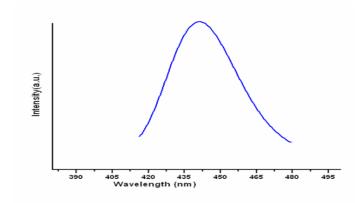


Figure S3. The solid-state emission spectra ($\lambda ex = 335 \text{ nm}$) for KBH(im)₃.

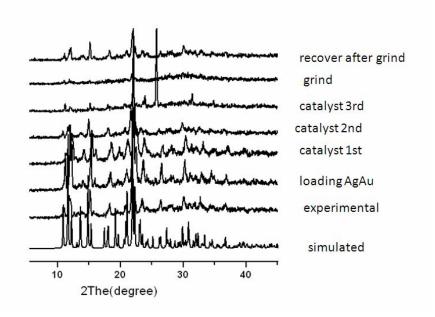


Figure S4. The PXRD patterns of BIF-38 under different conditions.

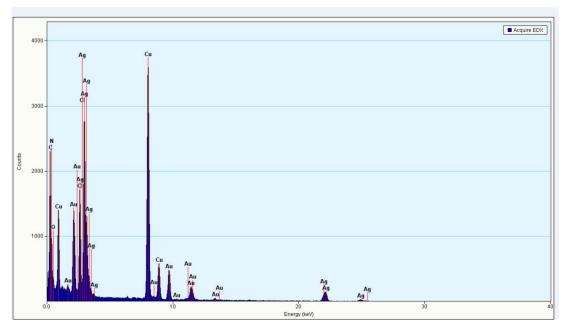


Fig. S5 EDX of AuAg@BIF-38.

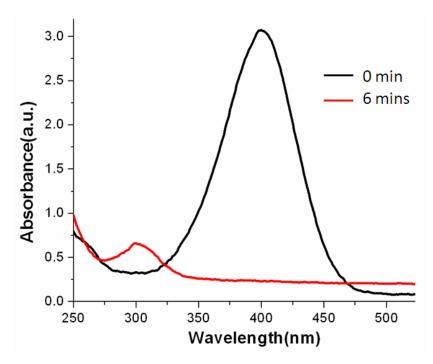


Figure S6. UV-vis spectra showing reduction of 4-NP over AuAg@BIF-38.

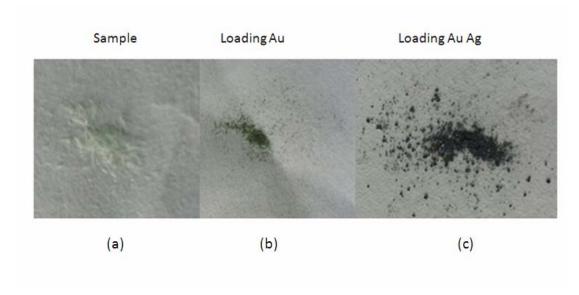


Figure S7. (a) optical image of BIF-38; (b) optical image of Au@BIF-38; (c) optical images for AuAg@BIF-38 crystals.

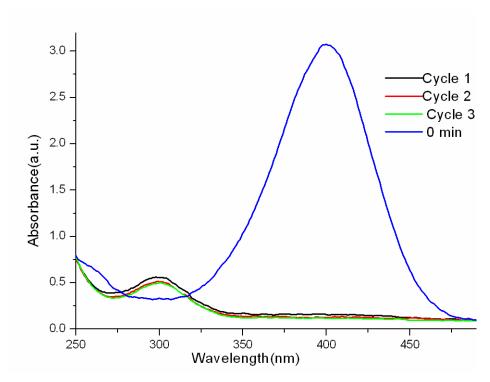


Figure S8. Recycling test on reduction of 4-NP over AuAg@BIF-38.

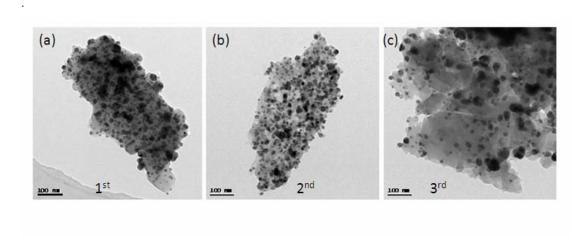


Figure S9. TEM images of AuAg@BIF-38 after three times catalytic reaction.