

Supporting information:

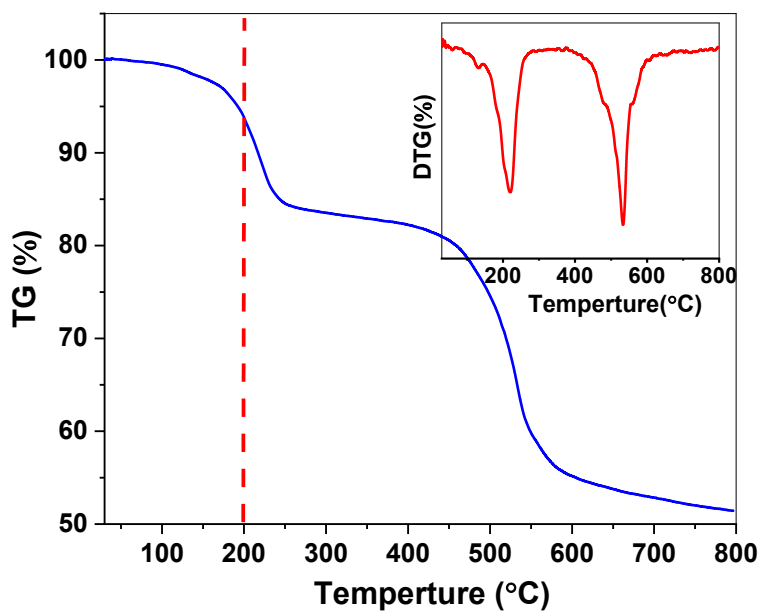


Fig. S1. TGA and DTG (insert) curves of ZIF-67.

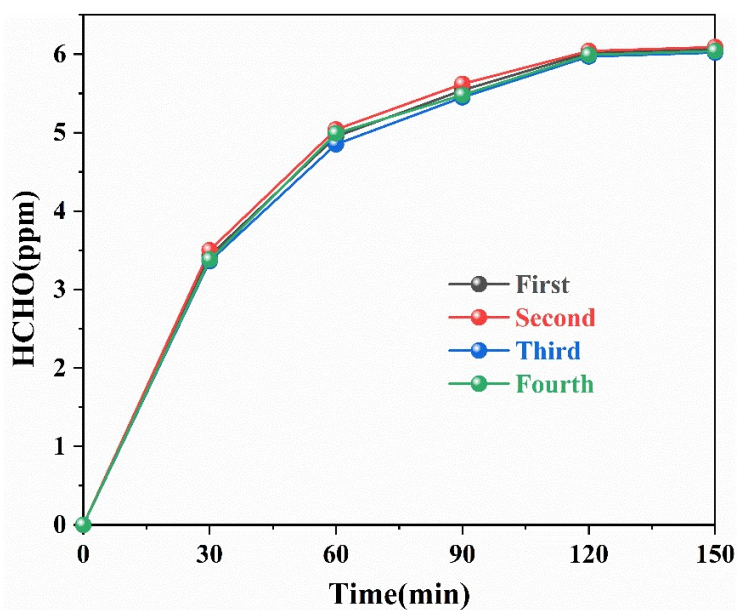


Fig. S2. Volatilization of HCHO without photocatalysts in dark. (10 μ l HCHO solution volatilized to a maximum concentration of 6 ppm by 120 min in the dark.)

Table S1

Comparison of the light absorption band of the recently reported visible-light photocatalysts and ZIF-67-F3.

| Photocatalyst | Visible light absorption band (nm) | Ref. |
|--|------------------------------------|-----------|
| BiVO ₄ /GQD/g-C ₃ N ₄ | 400-530 | (1) |
| ZnO/Au/g-C ₃ N ₄ | 460-600 | (2) |
| Ag ₃ PO ₄ /TiO ₂ @ MS | 500-600 | (3) |
| ZIF-8/g-C ₃ N ₄ | 400-480 | (4) |
| C@ZnO | 400-700 | (5) |
| BNQDs/MIL-100(Fe) | 400-700 | (6) |
| Ag ₂ O/ZnO/CuO | 400-720 | (7) |
| ZIF-67-F3 | 400-780 | This work |

References

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