Supplementary information

Biocompatible MOF-808 as an Iodophor Antimicrobial Agent with Controlled and Sustained Release of Iodine

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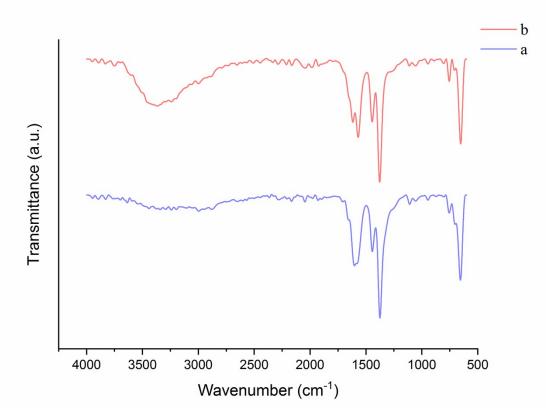


Figure S1. IR spectra of a) activated MOF-808 and b) I₂@MOF-808.

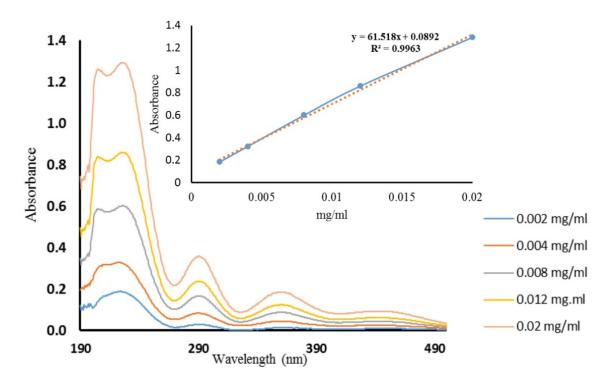


Figure S2. Calibration plot of standard iodine by UV/vis spectra

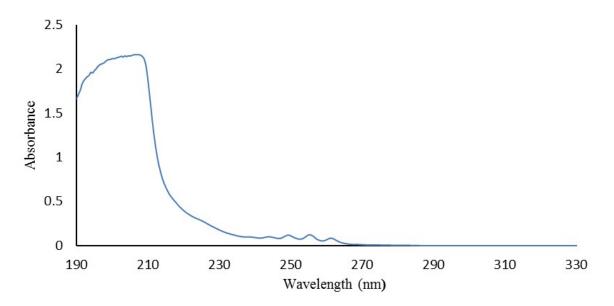


Figure S3. Baseline control of cyclohexane.

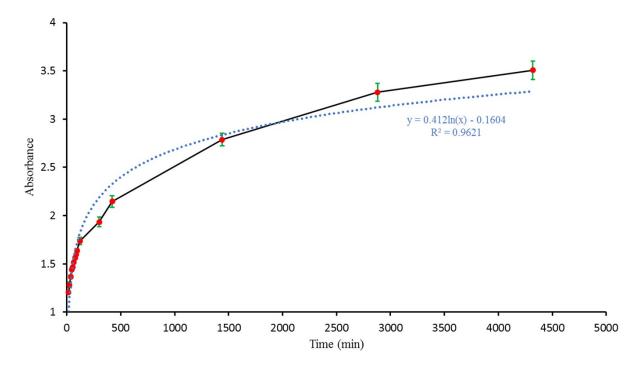


Figure S4. Fit-curves of I_2 release from $I_2@MOF-808$ up to three days.

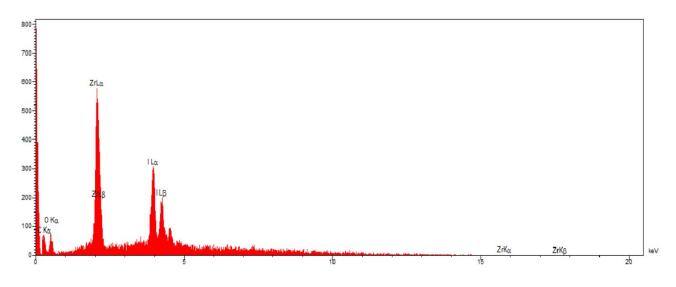


Figure S5. EDS spectrum of I₂@MOF-808.

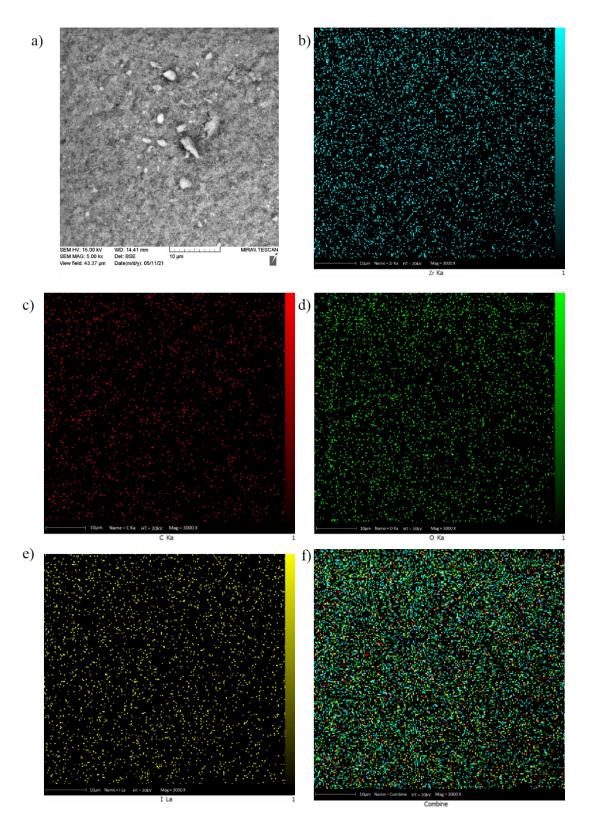


Figure S6. a) Area of the EDAX measurement and EDS elemental mapping of b) Zr, c) C, d) O, e) I and f) combined analysis in I₂@MOF-808.

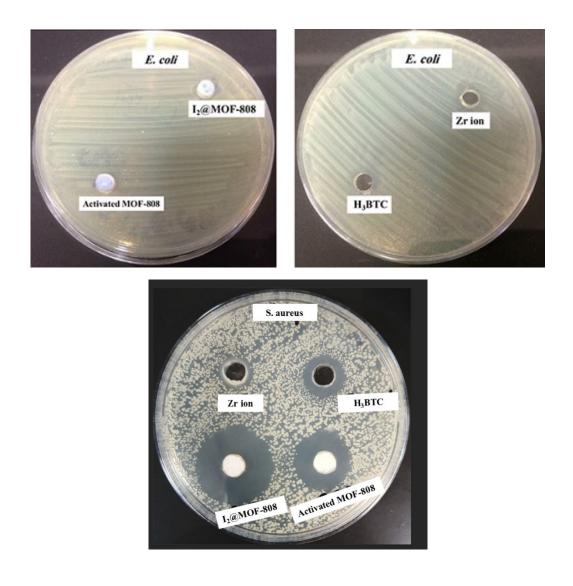


Figure S7. Antimicrobial activity of I₂@MOF-808, MOF-808, H₃BTC and Zr ion against *S. aureus* (first trial) and *E. coli*.

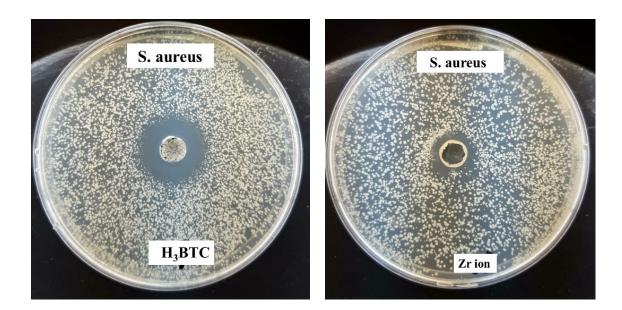




Figure S8. Antimicrobial activity of I₂@MOF-808, MOF-808, H₃BTC and Zr ion against *S. aureus* (second trial).