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) I$_2$@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 I$_2$@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 I$_2$@MOF-808.
Figure S7. Antimicrobial activity of $\text{I}_2$@MOF-808, MOF-808, $\text{H}_3\text{BTC}$ and Zr ion against $\text{S. aureus}$ (first trial) and $\text{E. coli}$. 
Figure S8. Antimicrobial activity of I$_2$@MOF-808, MOF-808, H$_3$BTC and Zr ion against S. aureus (second trial).