## Novel catalytic micromotor of porous zeolitic imidazolate framework-67 for precise drug delivery

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**Video S1** Self-propelled movement of ZIF-67 micromotors in1%-10%  $H_2O_2$  and 0.33% Triton X-100.

**Video S2** Autonomous propulsion of ZIF-67 micromotor during different time periods of 0, 15, 30, 45, 60 and 90 min in 6% H<sub>2</sub>O<sub>2</sub> and 0.33% Triton X-100.

**Video S3** Movement of ZIF-67/Fe<sub>3</sub>O<sub>4</sub> micromotor under applied magnetic field in 4%  $H_2O_2$  solution and 0.33% Triton X-100.

**Video S4** Movement of ZIF-67/Fe<sub>3</sub>O<sub>4</sub>/DOX micromotor under applied magnetic field in 4% H<sub>2</sub>O<sub>2</sub> solution and 0.33% Triton X-100.

**Video S5** Rapid absorption process of fluorescent DOX on  $ZIF-67/Fe_3O_4$  micormotors observed under microscope.

**Video S6** Release of DOX from ZIF-67/Fe<sub>3</sub>O<sub>4</sub>/DOX micormotors in 4% H<sub>2</sub>O<sub>2</sub> solution observed under microscope.



Fig. S1. FTIR spectrum of Fe<sub>3</sub>O<sub>4</sub> NPs