

Electronic Supplementary Information (ESI)

## **Influence of Real-World Environments on the Motion of Catalytic Bubble-Propelled Micromotors**

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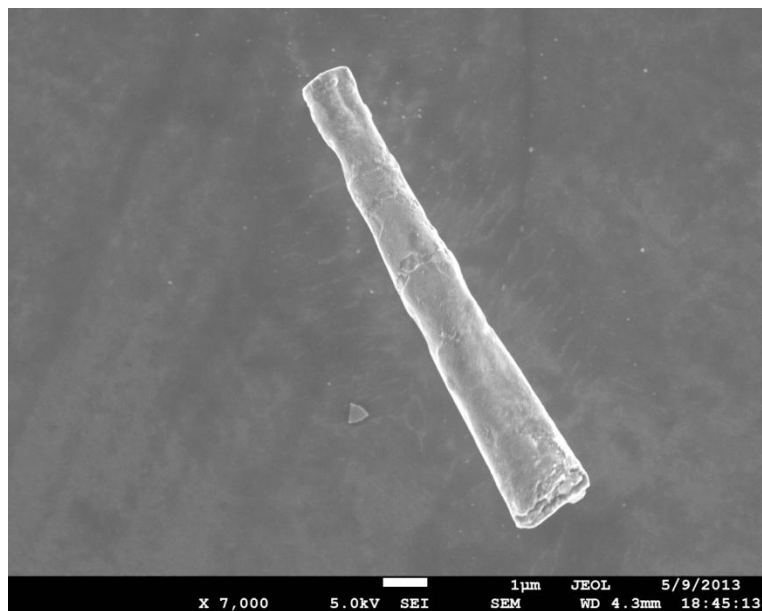


Figure S1. Scanning electron micrograph of typical electrodeposited microjet.

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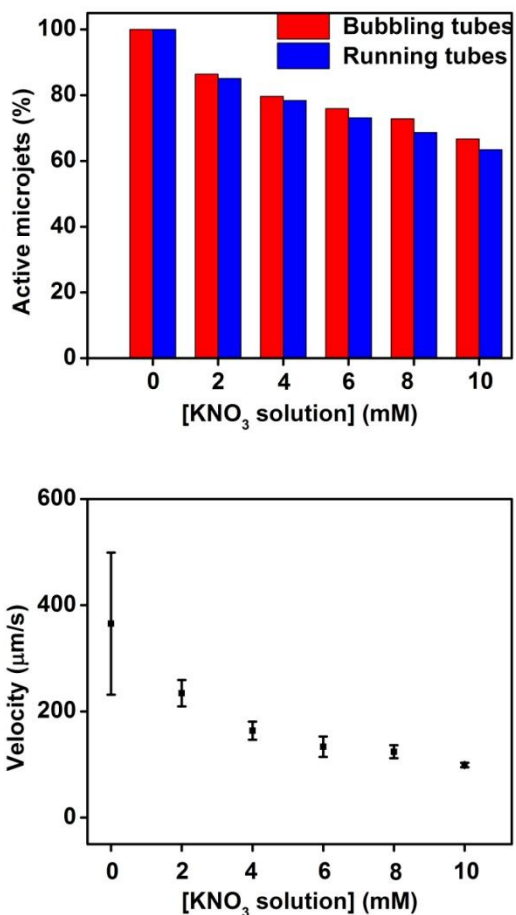


Figure S2. Motion of the catalytic microjets (prepared by electrochemical template deposition method) in KNO<sub>3</sub> solution at different concentration. Top: Graph showing the influence of the KNO<sub>3</sub> solution concentration on the activity of the microjets, which exhibited either bubble ejection (blue bar) or microjet motion (red bar). Bottom: Graph showing the influence of the concentration of KNO<sub>3</sub> solution on the velocity of the moving microjet engines. Conditions in all experiments: temperature of 23°C, 3% (wt.) H<sub>2</sub>O<sub>2</sub> and 1 (wt.) % SDS.