Electronic Supplementary Information

Light-controlled two-dimensional TiO₂ plate Micromotors

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Supplementary Information Contains:

1. Supplementary Figures

Figure S1. (a) Top view and (b) side view SEM images of the Am-2D-TiO₂ micromotor.

2. Supplementary Videos

Video S1: Locomotion of an Am-2D-TiO₂ micromotor in 10 wt. % H₂O₂.

Video S2: Locomotion of an Am-2D-TiO₂ micromotor in 10 wt. % H₂O₂ solution irradiated by UV light with different intensities.

Video S3: Locomotion of an Am-2D-TiO₂ micromotor in H_2O_2 solution with different concentrations. The power density of UV light is 0.5 W cm⁻².

Video S4: Locomotion of an Am-2D-TiO₂ micromotor in 10wt. % H_2O_2 . The power density of UV light is 0.5 W cm⁻².

Video S5: Locomotion of an Am-2D-TiO₂ micromotor in 10 wt. % H₂O₂ with and without

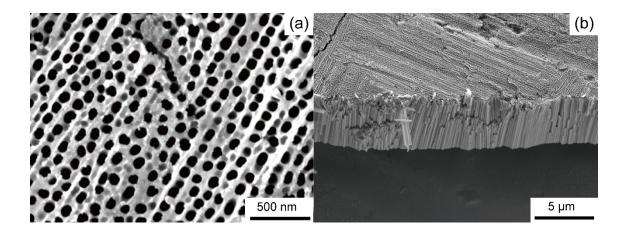


Figure S1. (a) Top view and (b) side view SEM images of the Am-2D-TiO $_2$ micromotor.