

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Linear propulsion of the rocket-like swimmer.

File Name: Supplementary Movie 2

Description: Linear propulsion of the rectangular swimmer.

File Name: Supplementary Movie 3

Description: Circular motion of the rectangular swimmer.

File Name: Supplementary Movie 4

Description: Circular motion of the rocket-like swimmer.

File Name: Supplementary Movie 5

Description: Rotary motion of the microswimmer.

File Name: Supplementary Movie 6

Description: A parallel movement of multiple microswimmers with identical shapes.

File Name: Supplementary Movie 7

Description: Time-course motion change of the microswimmer.

File Name: Supplementary Movie 8

Description: Disassembly of the microswimmer after a designated time.

File Name: Supplementary Movie 9

Description: Long-range (1.5m) propulsion of the rocket-like microswimmer

File Name: Supplementary Movie 10

Description: Spiral movement of the microswimmer.

File Name: Supplementary Movie 11

Description: Reverse-spiral movement of the microswimmer.

File Name: Supplementary Movie 12

Description: Disassembly and a change in motion (from circular to linear) of the microswimmer.

File Name: Supplementary Movie 13

Description: Disassembly and a change in motion (from linear to circular) of the microswimmer