

Table. S1 Detailed parameters for the radius of four samples.

	Sample ₃	Sample ₄	Sample ₅	Sample ₆
R ₁	15.50 μm	15.50 μm	15.50 μm	15.50 μm
R ₂	15.88 μm	15.88 μm	15.88 μm	15.88 μm
R ₃	16.25 μm	16.25 μm	16.25 μm	16.25 μm
R ₄	16.62 μm	16.62 μm	16.62 μm	16.62 μm
R ₅	16.99 μm	16.99 μm	16.99 μm	16.99 μm
R ₆	17.35 μm	17.35 μm	17.35 μm	17.35 μm
R ₇	17.72 μm	17.72 μm	17.72 μm	17.72 μm
R ₈	18.08 μm	18.08 μm	18.08 μm	18.08 μm
R ₉	18.44 μm	18.44 μm	18.44 μm	18.44 μm
R ₁₀	18.80 μm	18.80 μm	18.80 μm	18.80 μm
R ₁₁	19.16 μm	19.16 μm	19.16 μm	19.16 μm
R ₁₂	19.51 μm	19.51 μm	19.51 μm	19.51 μm

Table. S2 Detailed parameters for the rotation direction of four samples.

	Sample ₃	Sample ₄	Sample ₅	Sample ₆
θ_1	3	4	5	6
θ_2	1.5	2	2.5	3
θ_3	0	0	0	0
θ_4	-1.5	-2	-2.5	-3
θ_5	-3	-4	-5	-6
θ_6	-4.5	-6	-7.5	-9

Table. S3 Detailed Orbital Angular Momentum parameters of four samples.

	Sample ₃	Sample ₄	Sample ₅	Sample ₆
L ₁	-6	-8	-10	-12

L_2	-3	-4	-5	-6
L_3	0	0	0	0
L_4	3	4	5	6
L_5	6	8	10	12
L_6	9	12	15	18