

## Preparation of Recyclable CdS Photocatalytic and Superhydrophobic Film with Photostability by Screen-printing Technique

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Table S1 The average weight value of CdS films

No.	Mass (glass)	Mass (glass/CdS films)	Mass (CdS films)
1	27.388 g	27.451 g	0.063 g
2	27.500 g	27.562 g	0.062 g
3	30.768 g	30.829 g	0.061 g
4	29.445 g	29.503 g	0.058 g
5	29.568 g	29.630 g	0.062 g
6	29.168 g	29.225 g	0.057 g
7	30.036 g	30.096 g	0.060 g
8	27.775 g	27.832 g	0.057 g
9	28.366 g	28.426 g	0.060 g
10	29.458 g	29.519 g	0.061 g
Average mass			0.060 g

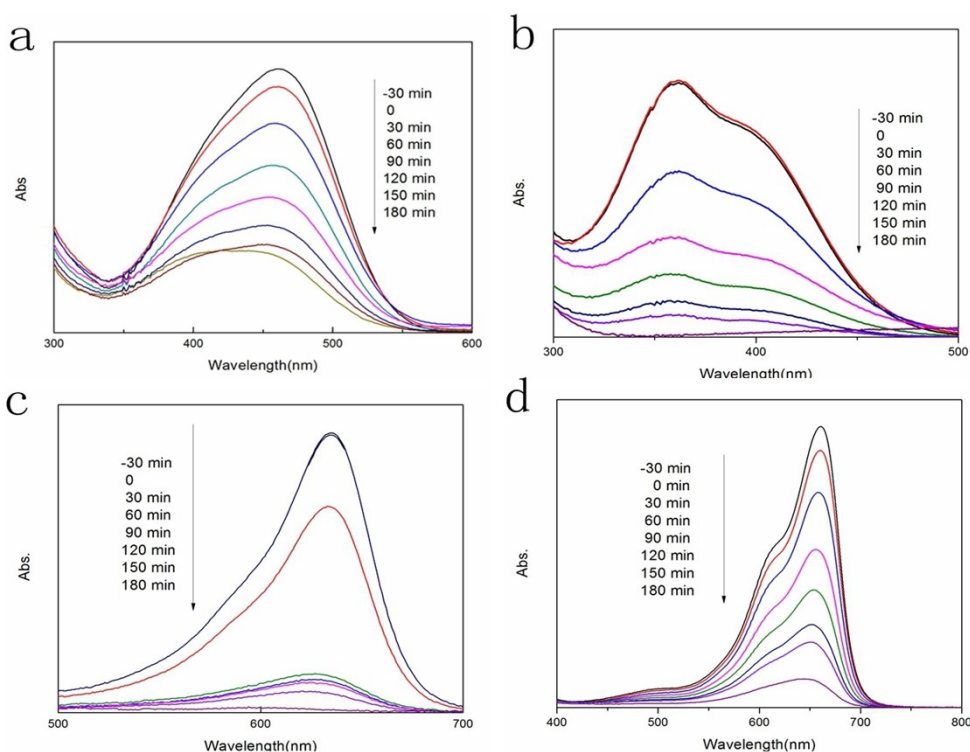


Figure S1. The temporal evolution of the spectra during the photodegradation of organic pollutants mediated by CdS film and H<sub>2</sub>O<sub>2</sub>. (a) MO; (b) 2,4-NP; (c) CB; (d) MB.

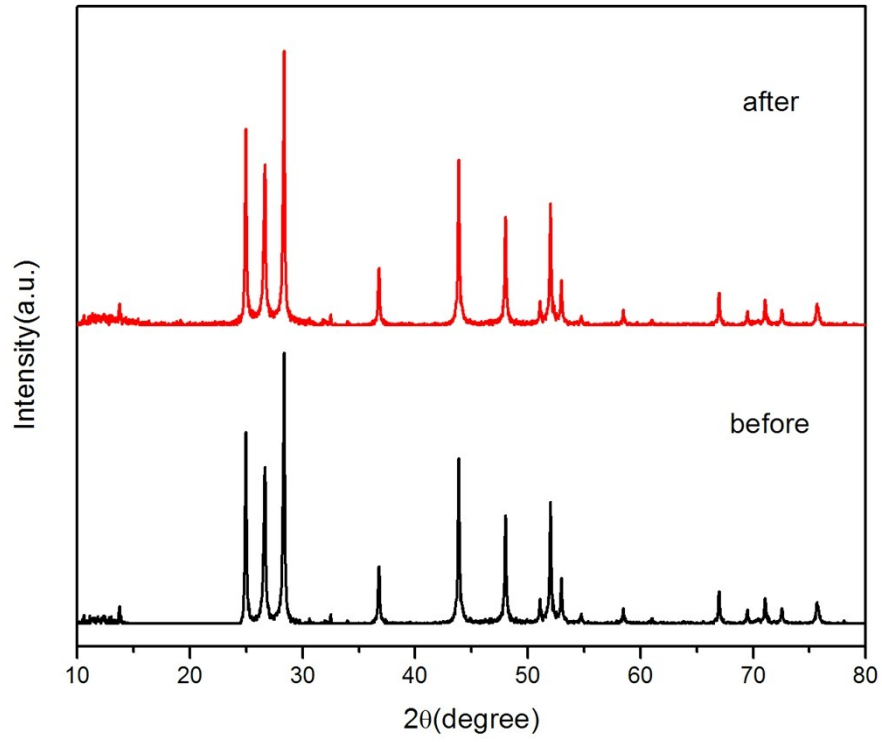


Figure S2. XRD image of the CdS film after five cycles of the photodegradation test.

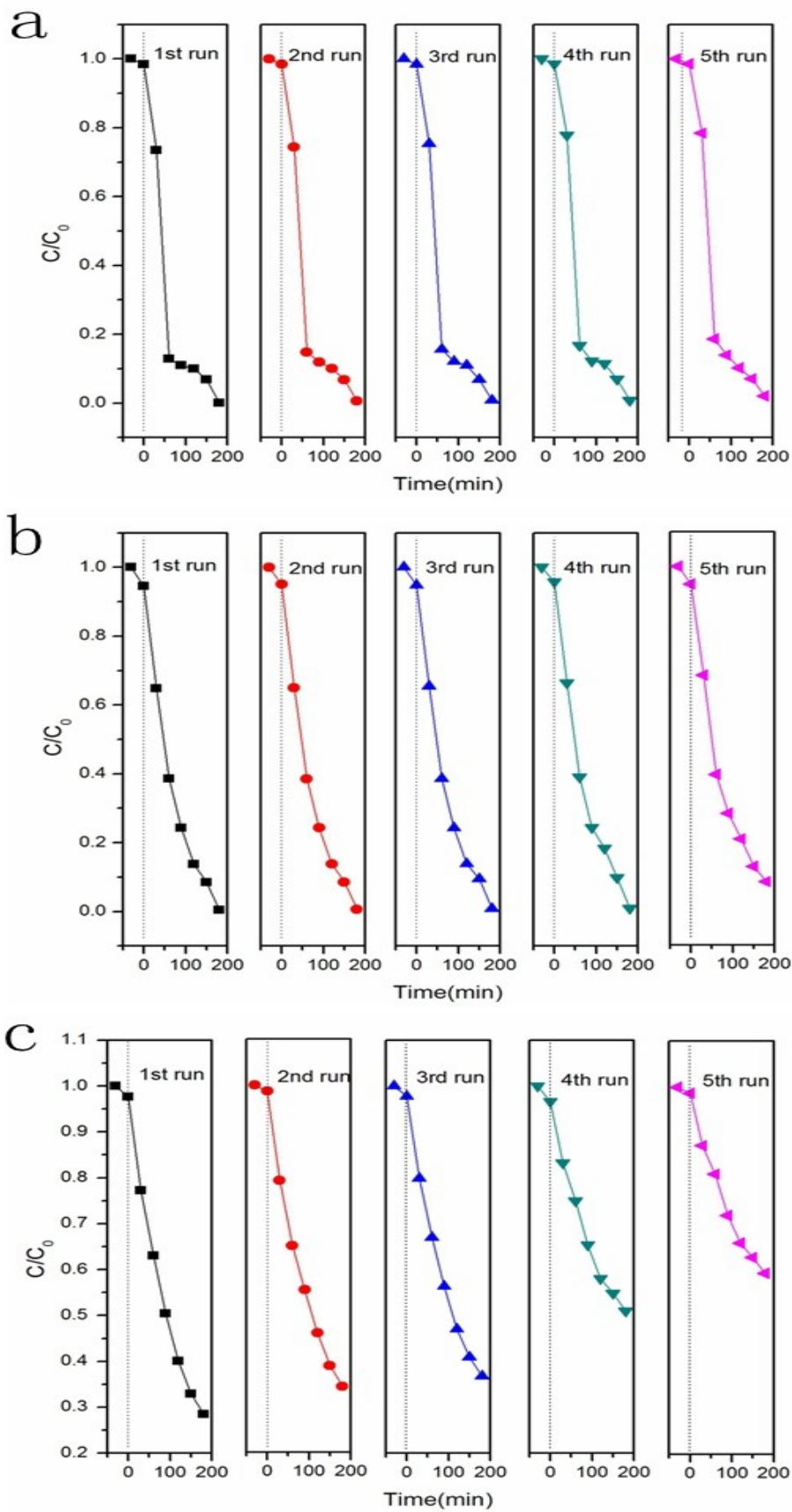


Figure S3. Cycling experiments of organic pollutants degradation over CdS film.(a) 2,4-DNP; (b) CB; (c) MO.