

## Supplementary Information

### Dandelion-like ZnS/carbon quantum dots hybrid materials with enhanced photocatalytic activity toward organic pollutants

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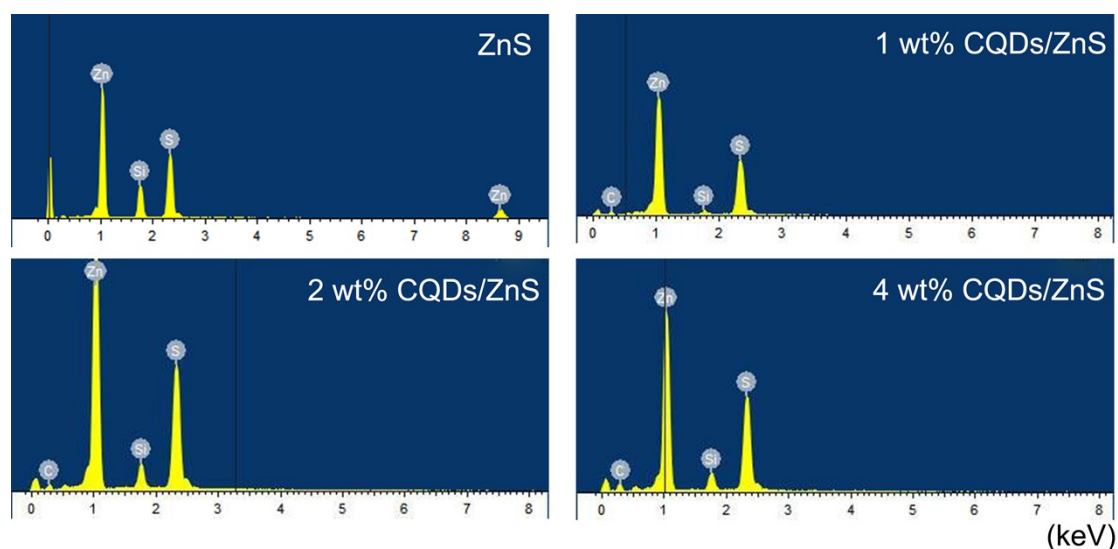


Fig. S1 The EDS patterns of the pure ZnS and the hybrid materials.

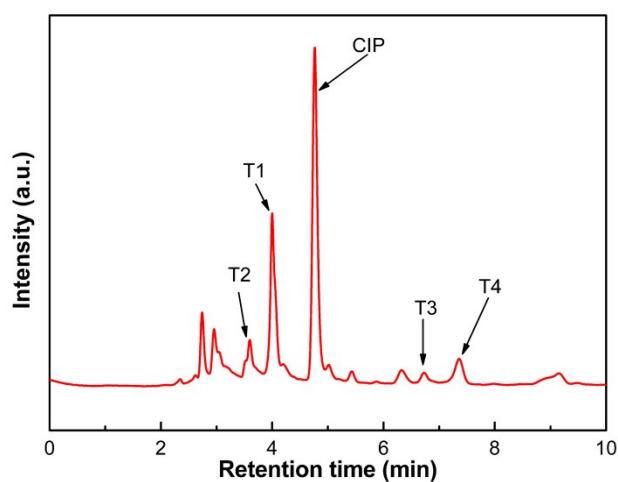
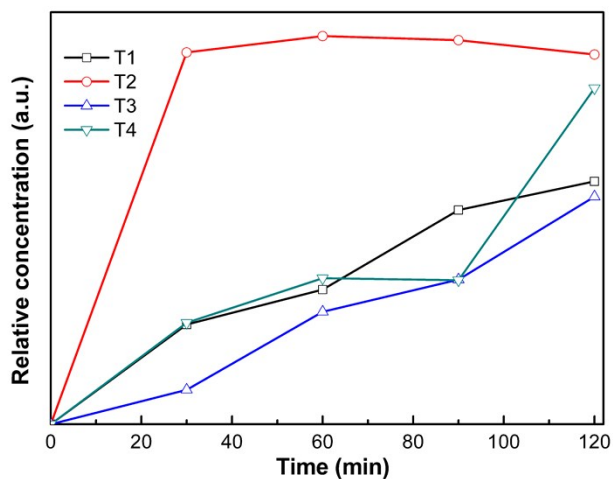


Fig. S2 A representative chromatogram after 30 min of irradiation.



**Fig. S3** The relative kinetic evolution profile of the intermediate products

**Table S1** EDS results for pure ZnS and hybrid materials.

Samples	Element	Weight%	Atomic%
ZnS	S K	32.07	49.09
	Zn L	67.93	50.91
1 wt% CQDs/ZnS	C K	0.86	3.43
	S K	31.81	47.42
	Zn L	67.33	49.15
2 wt% CQDs/ZnS	C K	1.72	6.59
	S K	33.35	47.82
	Zn L	64.93	45.59
4 wt% CQDs/ZnS	C K	3.39	12.57
	S K	30.77	42.69
	Zn L	65.84	44.74