

SUPPORTING INFORMATION

Table S1. EDX data of the photocatalyst 20Cd0.8/Pt/CN; domain with predominated g-C₃N₄ content.

Element	Family	Atomic Fraction (%)	Atomic Error (%)	Mass Fraction (%)	Mass Error (%)
C	K	93.1	3.7	67.2	1.9
S	K	2.8	0.5	5.3	1.0
Zn	K	0.8	0.1	31	0.4
Cd	L	1.2	0.2	8.4	1.0
Pt	L	1.3	0.2	14.8	1.7

Table S2. EDX data of the photocatalyst 20Cd0.8/Pt/CN; domain with predominated g-C₃N₄ content.

Element	Family	Atomic Fraction (%)	Atomic Error (%)	Mass Fraction (%)	Mass Error (%)
C	K	91.9	3.6	61.9	1.7
S	K	3.3	0.6	6.0	1.1
Zn	K	0.8	0.1	2.8	0.4
Cd	L	1.6	0.2	9.8	1.2
Pt	L	1.7	0.2	18.4	2.1

Table S3. EDX data of the photocatalyst 20Cd0.8/Pt/CN; domain with g-C₃N₄ and Cd_{0.8}Zn_{0.2}S.

Element	Family	Atomic Fraction (%)	Atomic Error (%)	Mass Fraction (%)	Mass Error (%)
C	K	55.8	6.4	19.5	1.4
S	K	23.8	5.2	22.2	4.4
Zn	K	3.1	0.5	5.8	0.9
Cd	L	15.8	2.6	51.4	7.0
Pt	L	0.01	0.00	0.03	0.01

Table S4. EDX data of the photocatalyst 20Cd0.8/Pt/CN; domain with g-C₃N₄ and Cd_{0.8}Zn_{0.2}S.

Element	Family	Atomic Fraction (%)	Atomic Error (%)	Mass Fraction (%)	Mass Error (%)
C	K	65.0	5.7	27.5	1.6
S	K	16.1	3.3	18.2	3.6
Zn	K	6.2	1.0	14.3	2.1
Cd	L	9.1	1.3	35.9	4.6
Pt	L	0.2	0.03	1.4	0.2