

Electronic Supplementary Information for
Photocatalysis of C, N-doped ZnO derived from ZIF-8 for dye
degradation and water oxidation

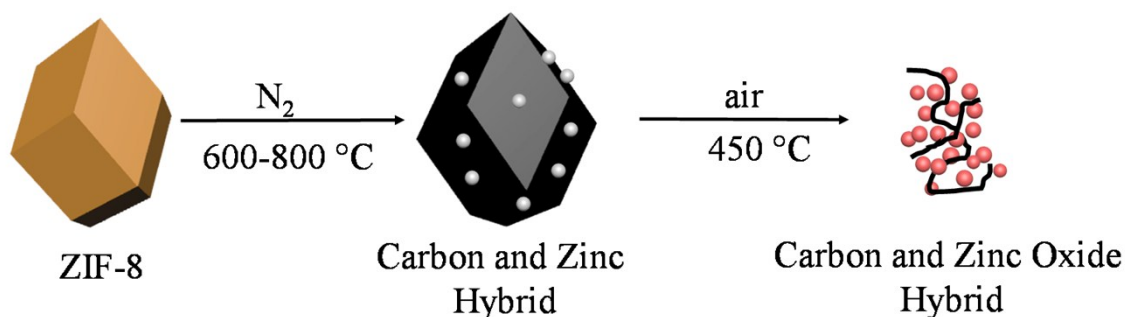
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Scheme S1. The synthesis route of the samples

Table S1. Carbon and nitrogen contents of the samples obtained from EDX analysis.

samples	6C25	7C25	8C25	6C20	6C30	6C40
C (wt.%)	2.71	4.48	12.66	4.01	0.93	0.66
N (wt.%)	0.57	1.47	4.02	1.16	0.35	0.14

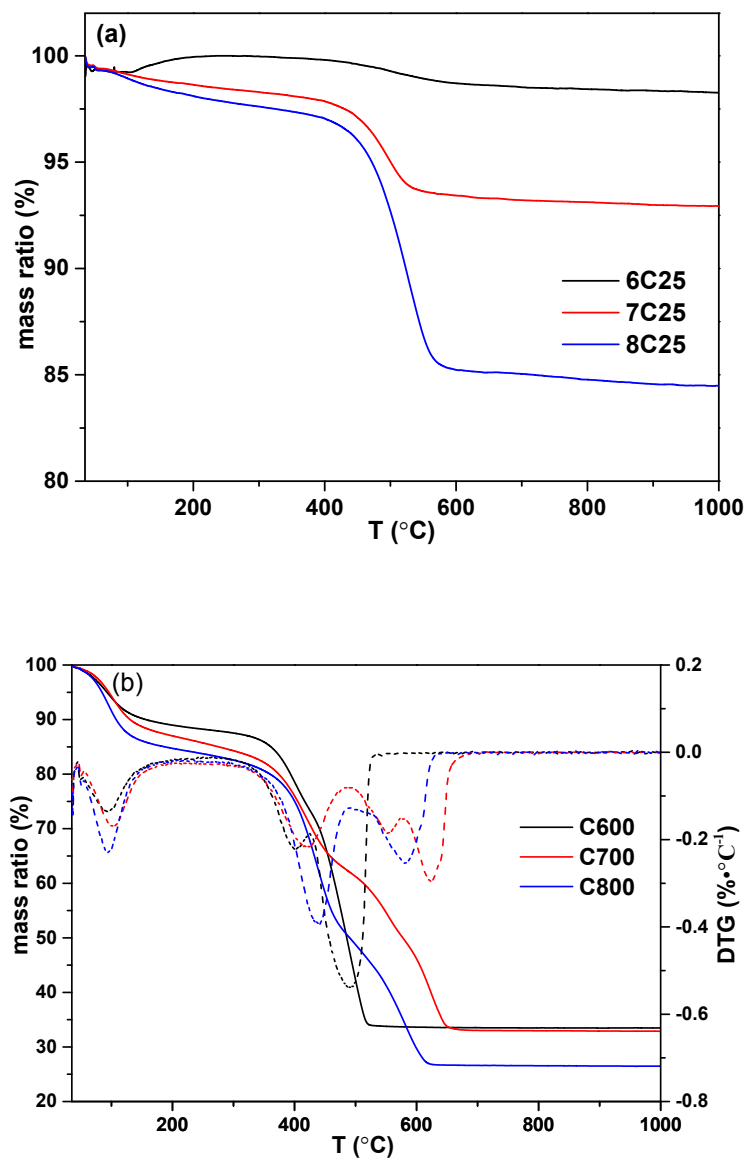


Figure S1. TGA of 6C25, 7C25 and 8C25 in air (a) and TGA/DTG of C600, C700 and C800 in air (b).

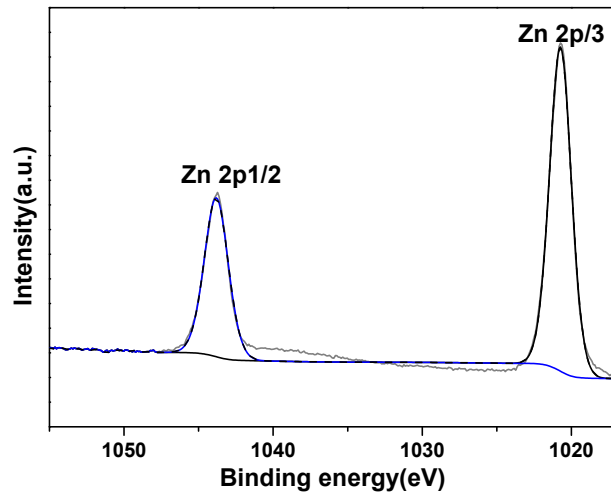


Figure S2. The high-resolution Zn 2p spectra of 6C25.

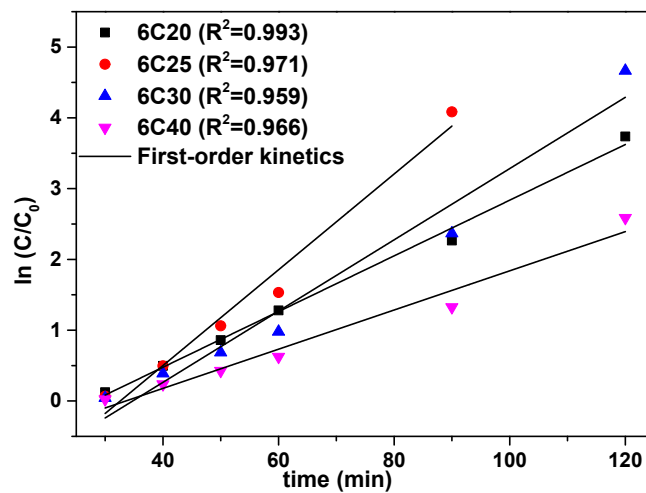


Figure S3. First-order kinetic rates of 6C20, 6C25, 6C30 and 6C40.

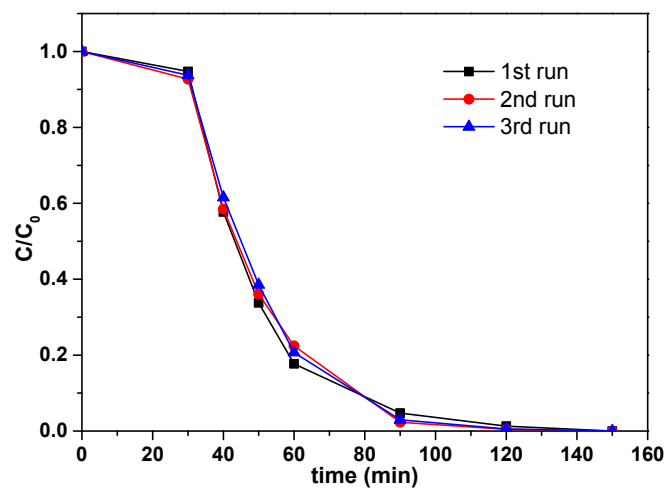


Figure S4. Stability of 6C25.