Supporting Information

Boosting charge carriers separation efficiency by constructing intramolecular DA system towards efficient photoreduction of CO_2

Xinyu Zhang[a, b], Mei Wang[b], Xianghai Song[b], Yongsheng Yan[a, b, *], Pengwei Huo[b], Yan Yan[a, *] Boting Yang [a, *]

[a] College of Science, Beihua University, Jilin 132013, PR China

[b] Institute of the Green Chemistry and Chemical Technology, School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang 212013, PR China

E-mail addresses: yys@mail.ujs.edu.cn (Y. Yan), yanyan.ujs@outlook.com (Y. Yan), ybt199@126.com (B. Yang).

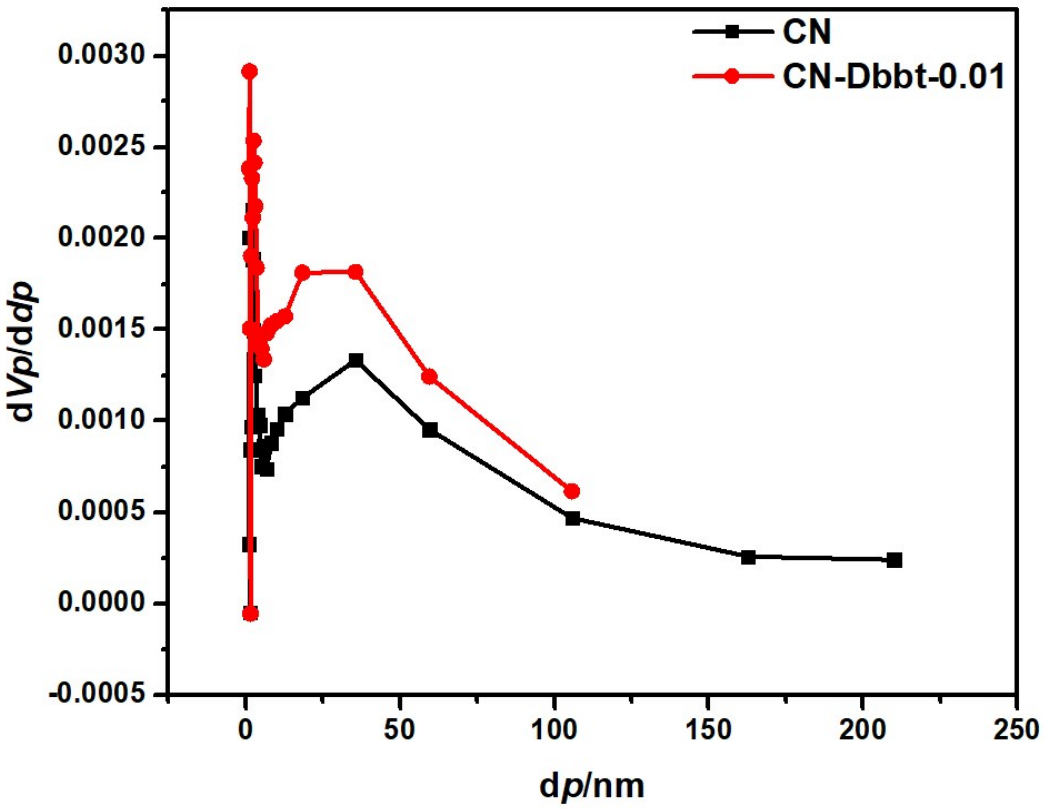

Fig. S1. pore-size distribution curves.

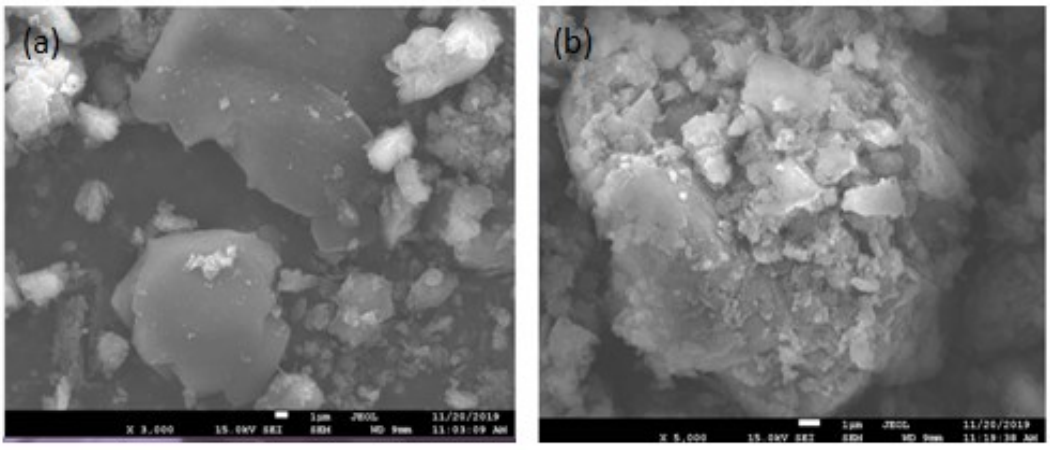

Fig. S2. Typical SEM images of (a) CN, (b) CN-Dbbt-0.01.

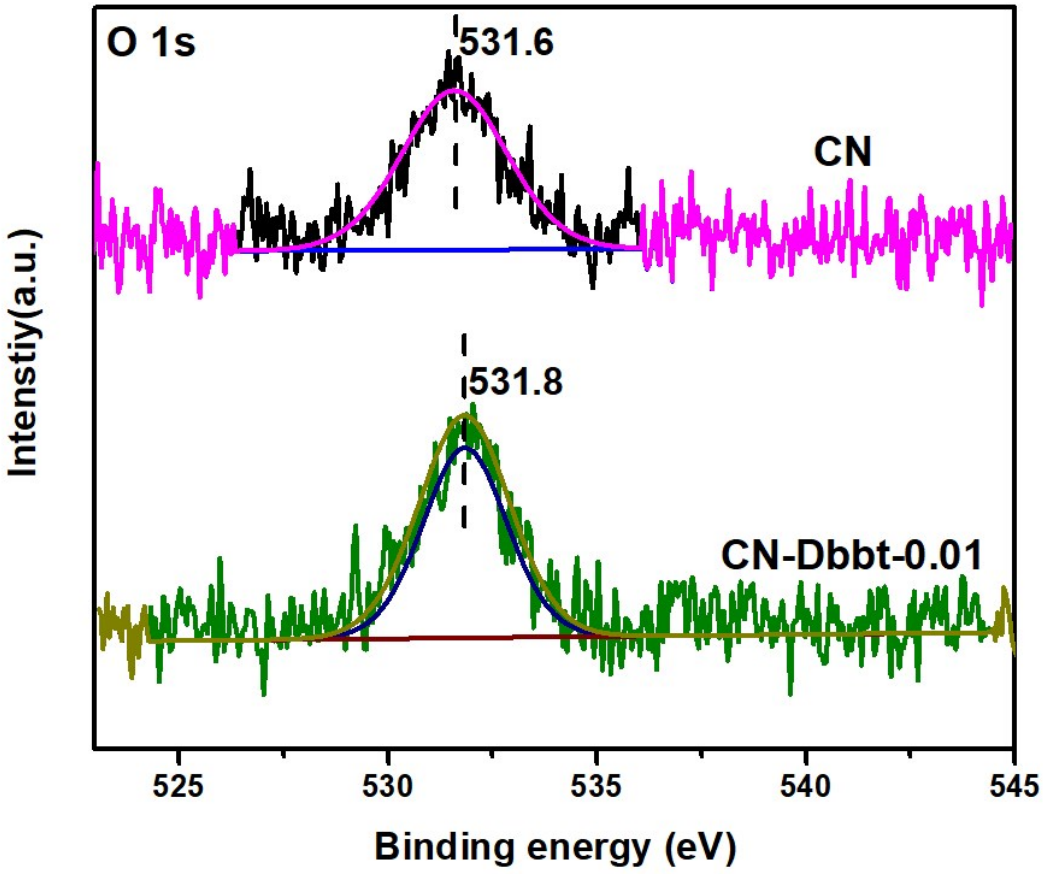

Fig. S3. High-resolution XPS spectra of O1s.

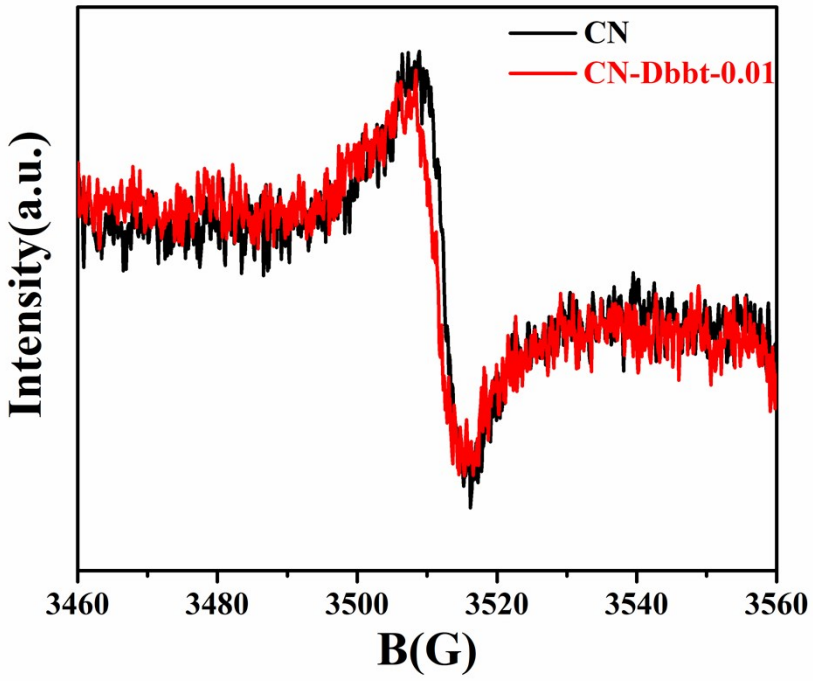

Fig. S4. EPR spectra of CN and CN-Dbbt-0.01.

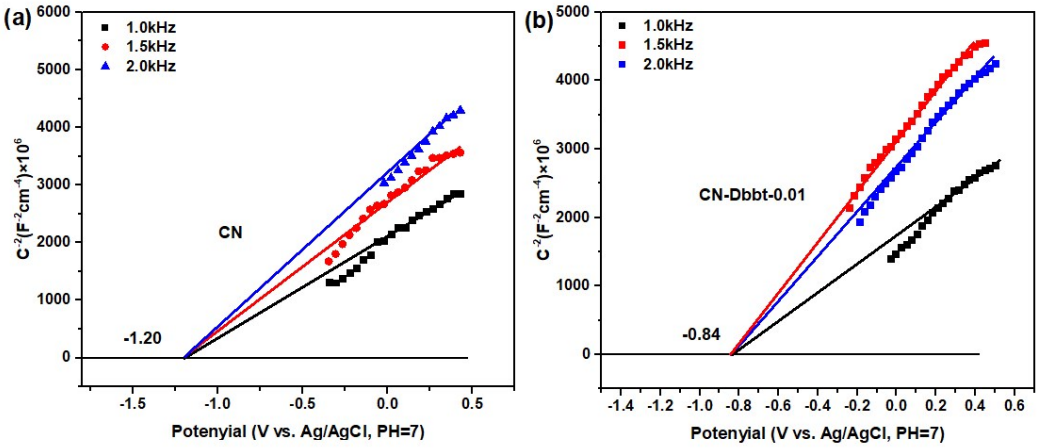

Fig. S5. Mott-Schottky plots collected at various frequencies of (a) CN and (b) CN-Dbbt-0.01.