Supporting Information

Dilute Ferromagnetic ZrO_2/Carbon Nanocomposite Derived from Zirconium-Based Metal-Organic Framework for High-Performance Electromagnetic Wave Absorption

Kun Zhang[†,¶,*], Xiaoyu Zhao[†], Fengyi Zhang[†], Yaxin Wang[†,*], Yongjun Zhang[†,¶]

[†]School of Materials and Environmental Engineering, Hangzhou Dianzi University, Hangzhou 310018, China

[¶]Hangzhou Dianzi University Shangyu Institute of Science and Engineering, Shaoxing 312300, China

Characterization Section

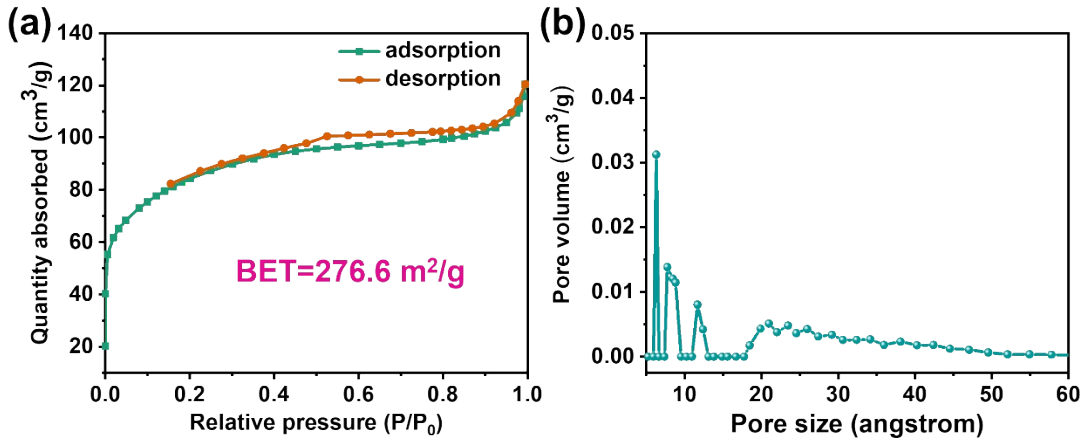

Figure S1. N_2 adsorption-desorption isotherms and pore size distribution of ZrO_2/C_700.

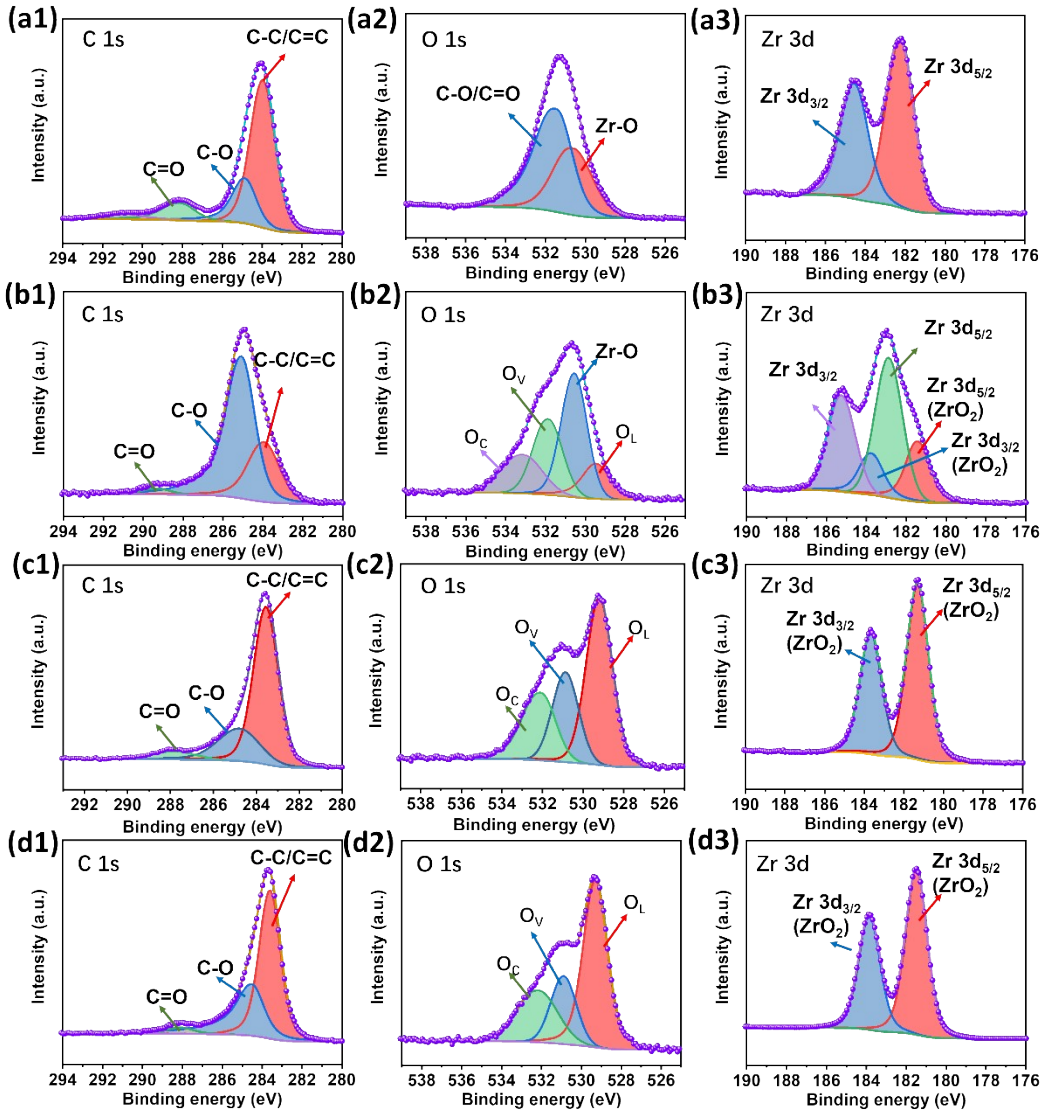

Figure S2. High-resolution XPS spectra of C 1 s, O 1s, and Zr 3d of NU-1000 (a1-a3), ZrO_2/C_600 (b1-b3), ZrO_2/C_700 (c1-c3), and ZrO_2/C_800 (d1-d3).

Table S1. The saturation magnetization (Ms) and coercivity (Hc) values and the calculated Ms/Hc ratio of Zn@NiCo-Lc-1, Zn@NiCo-Lc-2, Zn@NiCo-Lc-3, and Zn@NiCo-Lc-4.

Samples	Ms (emu/g)	Hc (Oe)	Ms/Hc (emu·g^{-1}·kOe^{-1})
ZrO_2/C_600	0.23	352.1	0.65
ZrO_2/C_700	0.33	244.5	1.35

ZrO_2/C_800	0.22	356.2	0.62