

Supporting Information

In-situ Ion Exchange Construction of Fe₃C/Fe Nanoparticles Embedded in N-Doped Carbon Foam for Superior Microwave Absorption

Chenxi Zhang, Fangke Zhou, Yuyijian Zhao, Siyu Wang, Shihan Huang, Qin Zhao, Di Lan, Xiaoming Guo, Yijin Ren, Bo Liang*

School of Automotive Materials, Hubei University of Automotive Technology, Shiyan 442002, China.

*Corresponding author.

Email: liangbo_yg@163.com (Bo Liang)

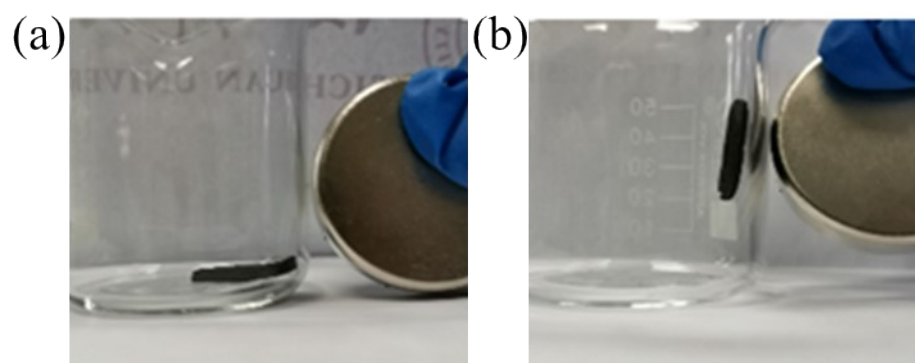


Figure S1. Photograph of (a) NPCF-800, (b) Fe₃C/Fe@NPCF-800.

Table S1. BET surface area, pore structure characterization parameters of NPCF-700, Fe₃C/Fe@NPCF-700, NPCF-800 and Fe₃C/Fe@NPCF-800.

Samples	S _{BET} (m ² g ⁻¹)	Total pore volume (cm ³ g ⁻¹)	Average pore size (nm)	Micropore volume (cm ³ g ⁻¹)
NPCF-700	86.4	0.063	2.05	0.0372
Fe ₃ C/Fe@NPCF-700	139.7	0.092	2.68	0.0858
NPCF-800	186.3	0.125	3.22	0.066
Fe ₃ C/Fe@NPCF-800	235.08	0.162	3.07	0.092

