

## Supporting Information

### **Bimetallic zeolitic imidazolate frameworks-derived porous carbon-based materials with efficient synergistic microwave absorption properties: role of calcining temperature**

Suyun Wang<sup>a</sup>, Xiang Ke<sup>a</sup>, Suting Zhong<sup>a</sup>, Yaru Lai<sup>a</sup>, Danlin Qian<sup>a</sup>, Yanping Wang<sup>a</sup>,  
Qinghua Wang<sup>b</sup>, Wei Jiang<sup>\*a</sup>

<sup>a</sup>National Special Superfine Powder Engineering Technology Research Center,  
Nanjing University of Science and Technology, 210094, Nanjing, China.

\* Corresponding author E-mail: superfine\_jw@126.com; Tel: +86-025-8431-5942.

<sup>b</sup>Military Representative Office 763, 030008, Taiyuan, China.

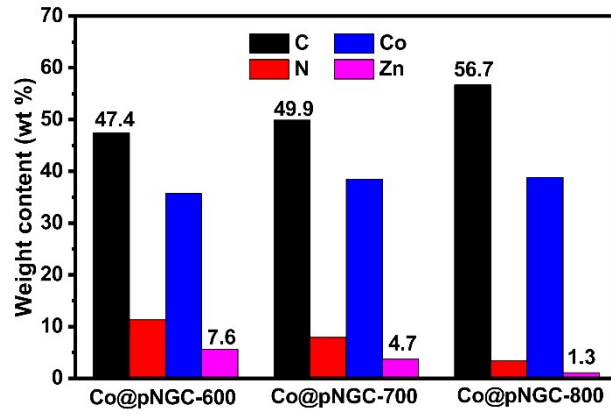


Figure S1. The EDX results of elements weight content in Co@pNGC-600, Co@pNGC-700 and Co@pNGC-800.

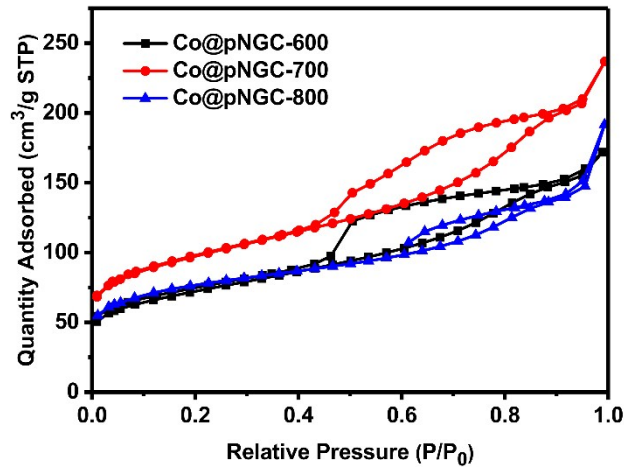


Figure S2. Nitrogen adsorption and desorption isotherms of Co@pNGC-600, Co@pNGC-700 and Co@pNGC-800.

Table S1. The values of saturation magnetization ( $M_s$ ), coercivity ( $H_c$ ) and remant magnetization ( $M_r$ ) for Co@pNGC-600, Co@pNGC- and Co@pNGC-800

Samples	$M_s$ (emu/g)	$H_c$ (Oe)	$M_r$ (emu/g)
Co@pNGC-600	20	48.7	1.8
Co@pNGC-700	33.5	200.7	6.7
Co@pNGC-800	35	136.3	5.6

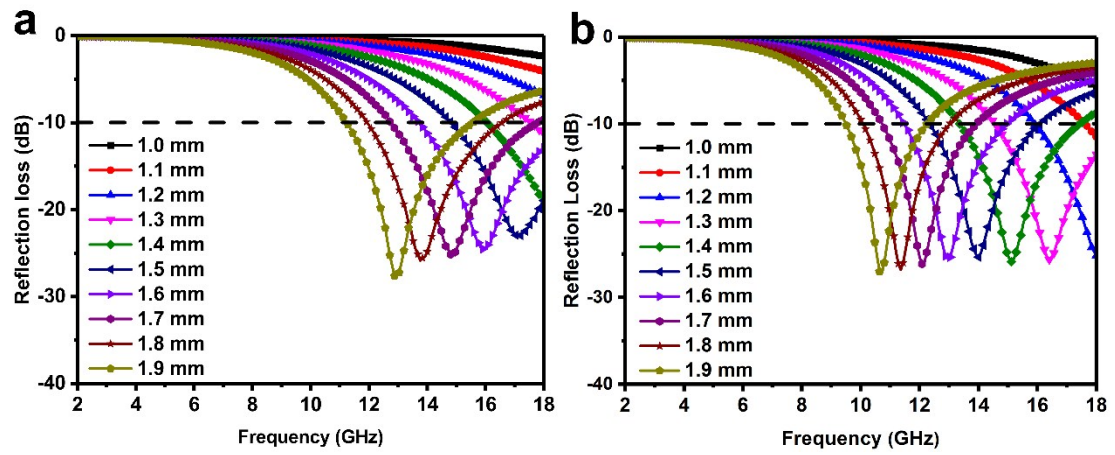


Figure S3. Reflection loss curves of (a) Co@pNGC-600, (b) Co@pNGC-700 with the thickness of 1 – 1.9 mm in the frequency range of 2 – 18 GHz.