

Supporting Information¹

Three-dimensional porous Co@C/carbon foam hybrid monolith for exceptional oil-water separation

*Xiao Ge, ^{a, b} Wenxiu Qin, ^{*a} Haimin Zhang, ^a Guozhong Wang, ^a Yunxia Zhang, ^{*a} and
Chengzhong Yu^c*

^a Key Laboratory of Materials Physics, Centre for Environmental and Energy
Nanomaterials, Anhui Key Laboratory of Nanomaterials and Nanotechnology,
CAS Center for Excellence in Nanoscience, Institute of Solid State Physics, Chinese
Academy of Sciences, Hefei 230031, China.

^b University of Science and Technology of China, Hefei 230026, P. R. China.

^c Australian Institute for Bioengineering and Nanotechnology, The University of
Queensland, QLD 4072, Australia.

* Correspondence Author. Email: wxqin@issp.ac.cn; yxzhang@issp.ac.cn

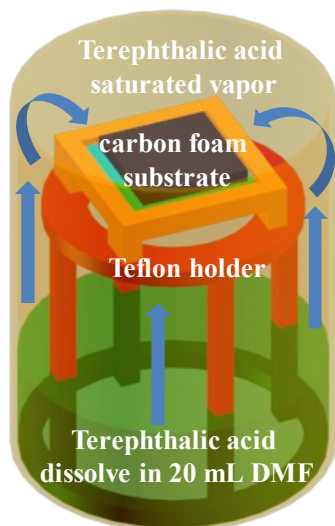


Fig. S1 The experimental apparatus for VPH technique.

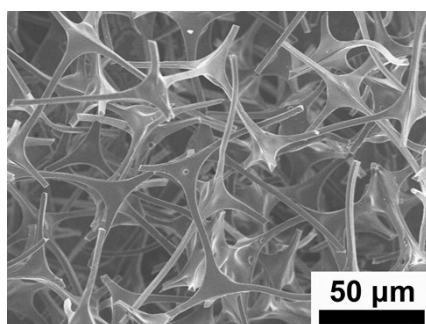


Fig. S2 SEM image of the pristine CF.

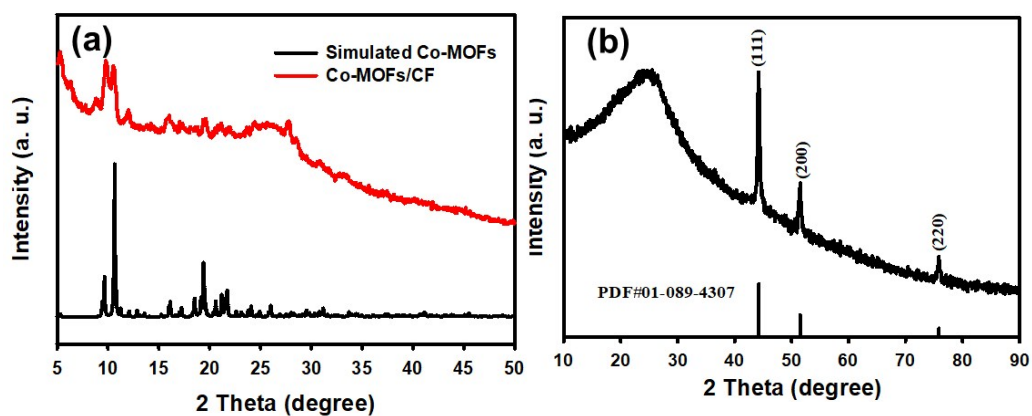


Fig. S3 XRD patterns of the as-fabricated Co-MOFs/CF (a) and Co@C/CF (b).

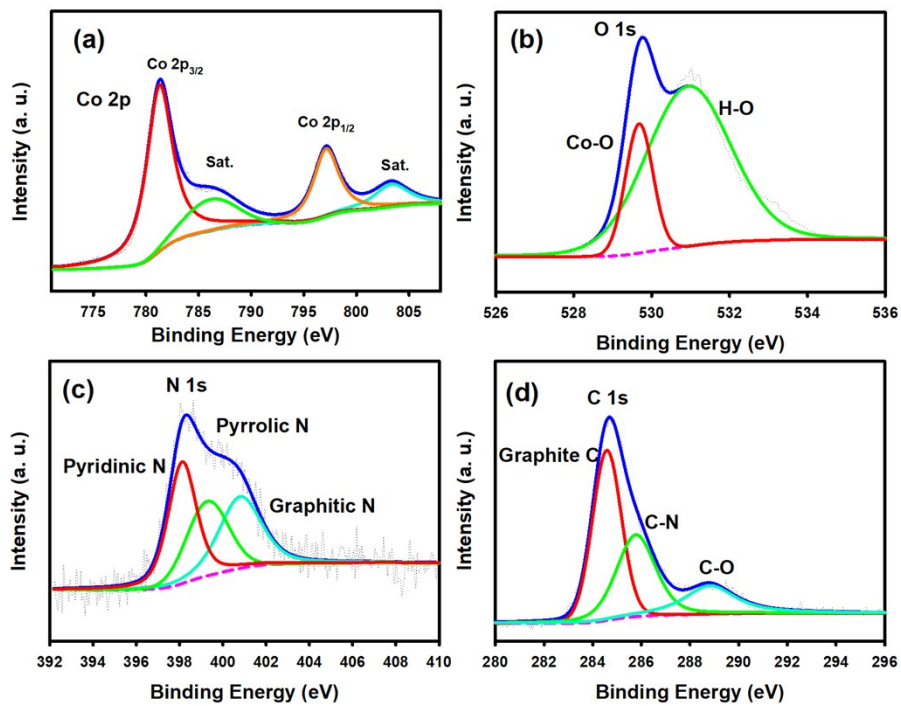


Fig. S4 XPS spectra of Co-MOFs/CF: (a) Co 2p (b) O 1s (c) N 1s (d) C 1s.