

Electronic Supplementary Information

High performance graphene-based foam fabricated by a facile approach for oil absorption

Cuihong Ji^a, Ke Zhang^c, Le Li^b, Xiaoxia Chen^b, Jinlong Hu^d, Deyue Yan^b, Guyu Xiao^{b*} and Xiaohua He^{a*}

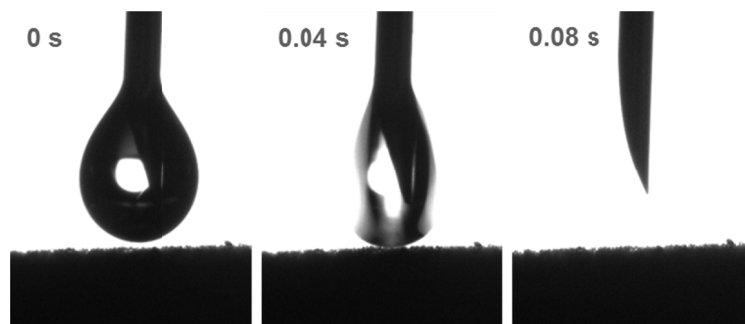
^a Department of Chemistry, School of Chemistry and Molecular Engineering, East China Normal University, 500 Dongchuan Road, Shanghai 200241, P.R. China

^b School of Chemistry and Chemical Engineering, State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, 800 Dongchuan Road, Shanghai 200240, P.R. China

^c School of Materials Science and Engineering, University of Shanghai for Science and Technology, 516 Jungong Road, Shanghai, 200093, P.R. China

^d College of Chemistry and Chemical Engineering, Hunan University, 2 south Lushan Road, Changsha, 410082, P.R. China

Fig. S1 Video snapshots of the absorption process of a drop of *n*-heptane on the surface of M/G/CS



* Corresponding authors. Tel: + 86 21 54742664, E-mail: gyxiao@sjtu.edu.cn (G. Xiao); + 86 21 54340060, E-mail: xhhe@chem.ecnu.edu.cn (X. He).

Fig. S2 FT-IR spectra of the absorbed oils.

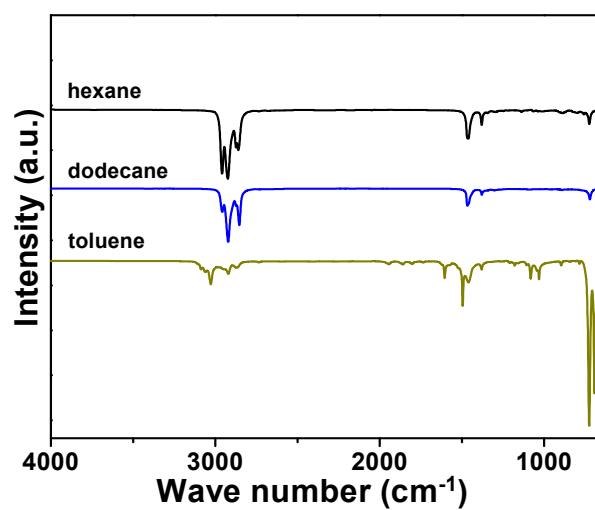


Table S1 Element contents and C/O ratios of rGO, N330, MS, and M/G/CS.

	C (mol.%)	O (mol.%)	N (mol.%)	C/O (mol./mol.)
rGO	81.7	18.3	–	4.47
N330	97.9	2.09	–	46.8
MS	60.9	12.4	26.7	4.91
M/G/CS	90.1	5.58	4.29	16.1