

Supporting Information

Absorption Behavior of Graphene Nanoplates toward Oils and Organic Solvents in Contaminated Water

Duong Duc La ^{1,*}, **Tuan Anh Nguyen** ^{2,3}, **Thanh Tung Nguyen** ⁴, **Ha Duc Ninh** ¹, **Hoai Phuong Nguyen Thi** ¹, **Tham Thi Nguyen** ^{2,3}, **Duy Anh Nguyen** ¹, **Trung Dung Dang** ⁵, **Eldon R. Rene** ⁶, **Soon Woong Chang** ⁷, **Hien Tran Thi** ⁸ and **Dinh Duc Nguyen** ^{9,7,*}

¹ Institute of Chemistry and Materials, Hanoi 100000, Vietnam; ninhducha1974@gmail.com (H.D.N.);

hoaiiphuong1978@gmail.com (H.P.N.T.); nguyen.duy.anh0@gmail.com (D.A.N.)

² Applied Nanomaterial Laboratory, ANTECH, Hanoi 100000, Vietnam; Tuananhnguyendhb@gmail.com (T.A.N.);

swchang@kyonggi.ac.kr (T.T.N.)

³ Institute of Chemistry Technology, Hanoi University of Science and Technology, Hanoi 100000, Vietnam

⁴ Institute of Material Science, Vietnam Academy of Science and Technology, Hanoi 100000, Vietnam;

tungnt@ims.vast.ac.vn

⁵ School of Chemical Engineering, Hanoi University of Science and Technology, Hanoi 100000, Vietnam;

dung.dangtrung@hust.edu.vn

⁶ Department of Environmental Engineering and Water Technology, IHE Delft Institute for Water Education, Westvest 7, 2611 AX Delft, The Netherlands; e.raj@un-ihe.org

⁷ Department of Environmental Energy Engineering, Kyonggi University, Suwon, Republic of Korea;

swchang@kyonggi.ac.kr

⁸ Industrial University of Ho Chi Minh City, 12 Nguyen Van Bao, Go Vap District, Ho Chi Minh City 700000, Vietnam; tranhien86@gmail.com (H.T.T.)

⁹ Institute of Research and Development, Duy Tan University, Da Nang 550000, Vietnam

* Correspondence: duc.duong.la@gmail.com (D.D.L); Tel: +84 966 185368;

nguyendinhduc2@duytan.edu.vn (D.D.N.); Tel.: +82-31-249-1309; Fax: +82-31-624-3716

The supplementary information provides further information about the SEM image of natural graphite and graphene nanoplates. This material is available free of charge via the internet.

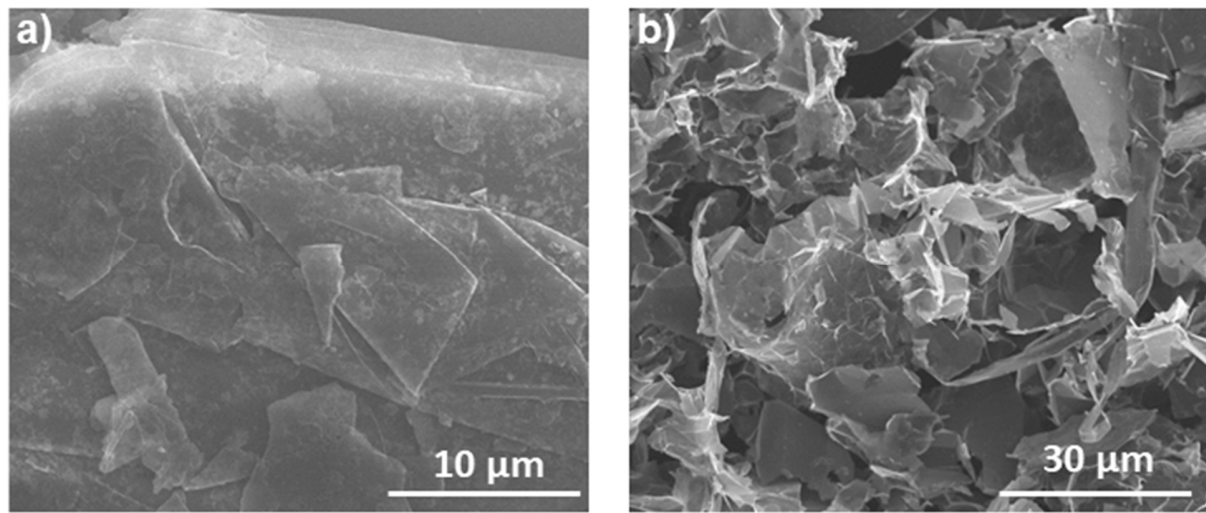


Figure S1. SEM images of natural graphite and graphene nanoplates

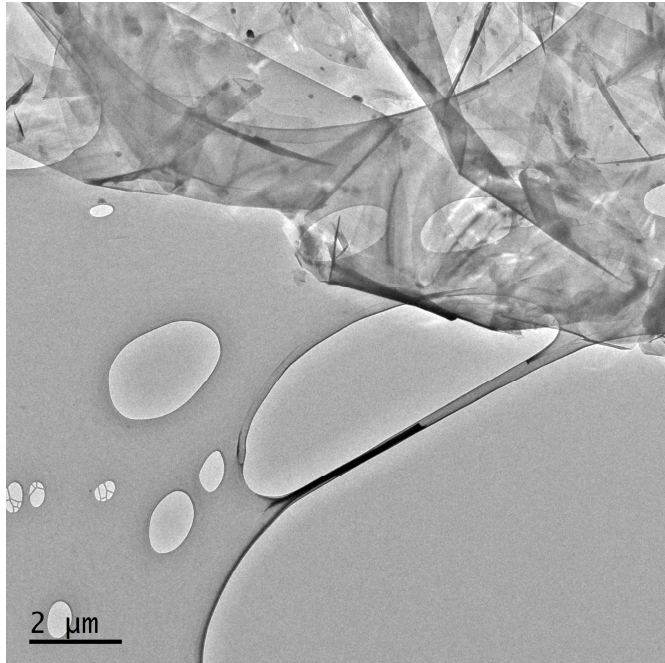


Figure S2. TEM image of graphene nanoplates