

Deep ultraviolet optical limiting materials: 2D Ti_3C_2 and Ti_3AlC_2 nanosheets

Guowei Liu,^a Junjie Yuan,^a Zhixin Wu,^b Pingzhang Yu,^a Zhengping Wang^{*a} and Xinguang Xu^{*a}

^aState Key Laboratory of Crystal Materials, Shandong University, Jinan 250100, China

^bSchool of Science, Shandong Jianzhu University, Jinan 250101, China

E-mail: zpwang@sdu.edu.cn, xgxu@sdu.edu.cn

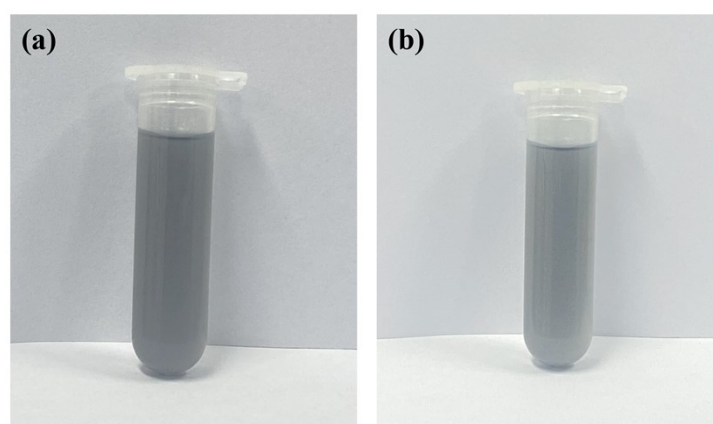


Figure S1. The as-prepared (a) Ti_3AlC_2 nanosheets and (b) Ti_3C_2 nanosheets.

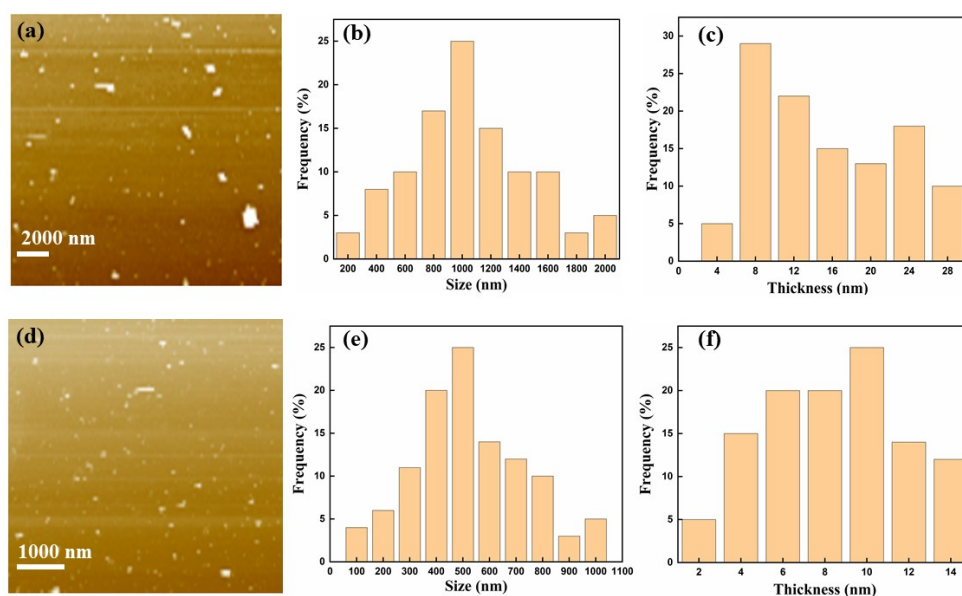


Figure S2. AFM images and corresponding lateral size distributions and thickness distributions of (a,b,c) Ti_3AlC_2 nanosheets and (d,e,f) Ti_3C_2 nanosheets.

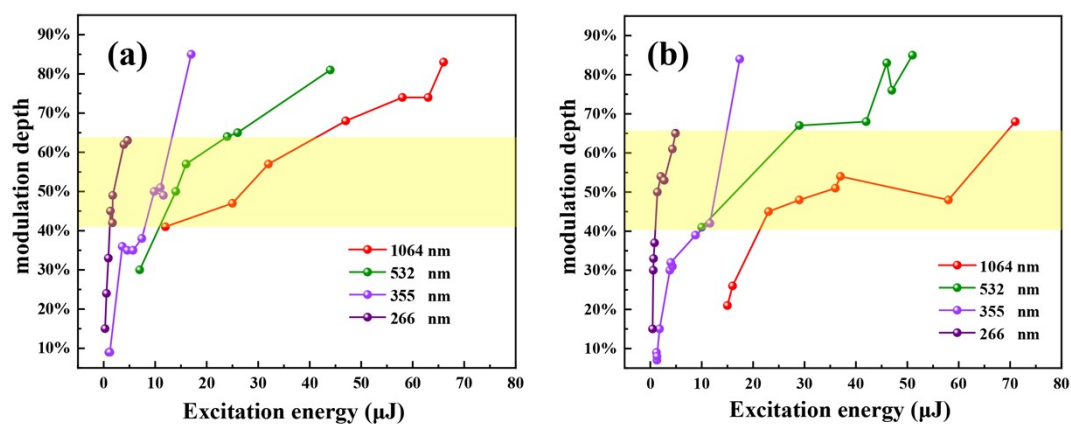


Figure S3. The relationship between the excitation energy and modulation depths of (a) Ti_3AlC_2 and (b) Ti_3C_2 nanosheets.