

Supporting Information

Characteristic of Two-dimensional Millimetric Microarrays TiO₂

Nanowires and their Photocatalytic Properties

Yanqing Wang,^a Yunchong Fu,^b Chuanxin Hou,^b Yanjie Zhai,^b Feng Dang,^{*b} Hong Lin,^c and Yuqi Fan^{*d}

^aSchool of Materials Science and Engineering China University of Mining and Technology, Xuzhou 221116, China

^bKey Laboratory for Liquid-Solid Structural Evolution and Processing of Materials (Ministry of Education), Shandong University, Jinan 250061, China.

^cState Key Laboratory of New Ceramic and Fine Processing, Tsinghua University, Beijing, China

^dFaculty of Life and Environmental Sciences, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki 305-8572, Japan

Corresponding author E-mail: dangfeng@sdu.edu.cn

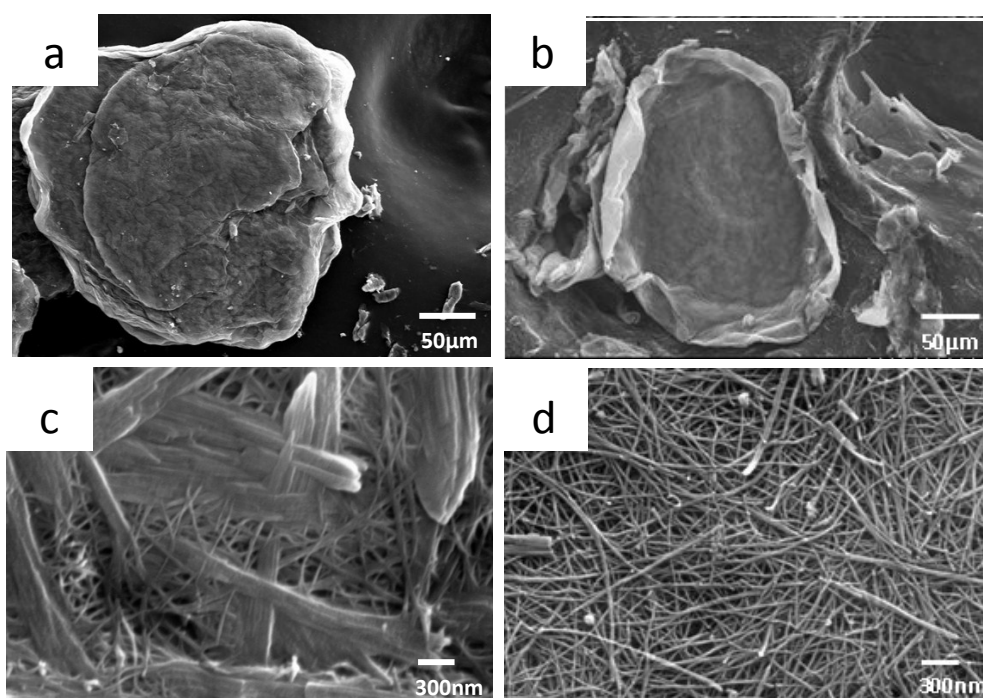


Fig. S1 SEM images of the TiO₂ nanowires synthesized at Ti: OLA : hydrazine=1: 2: 4 at 180°C (a, c) and 220°C (b, d) for 24 h.

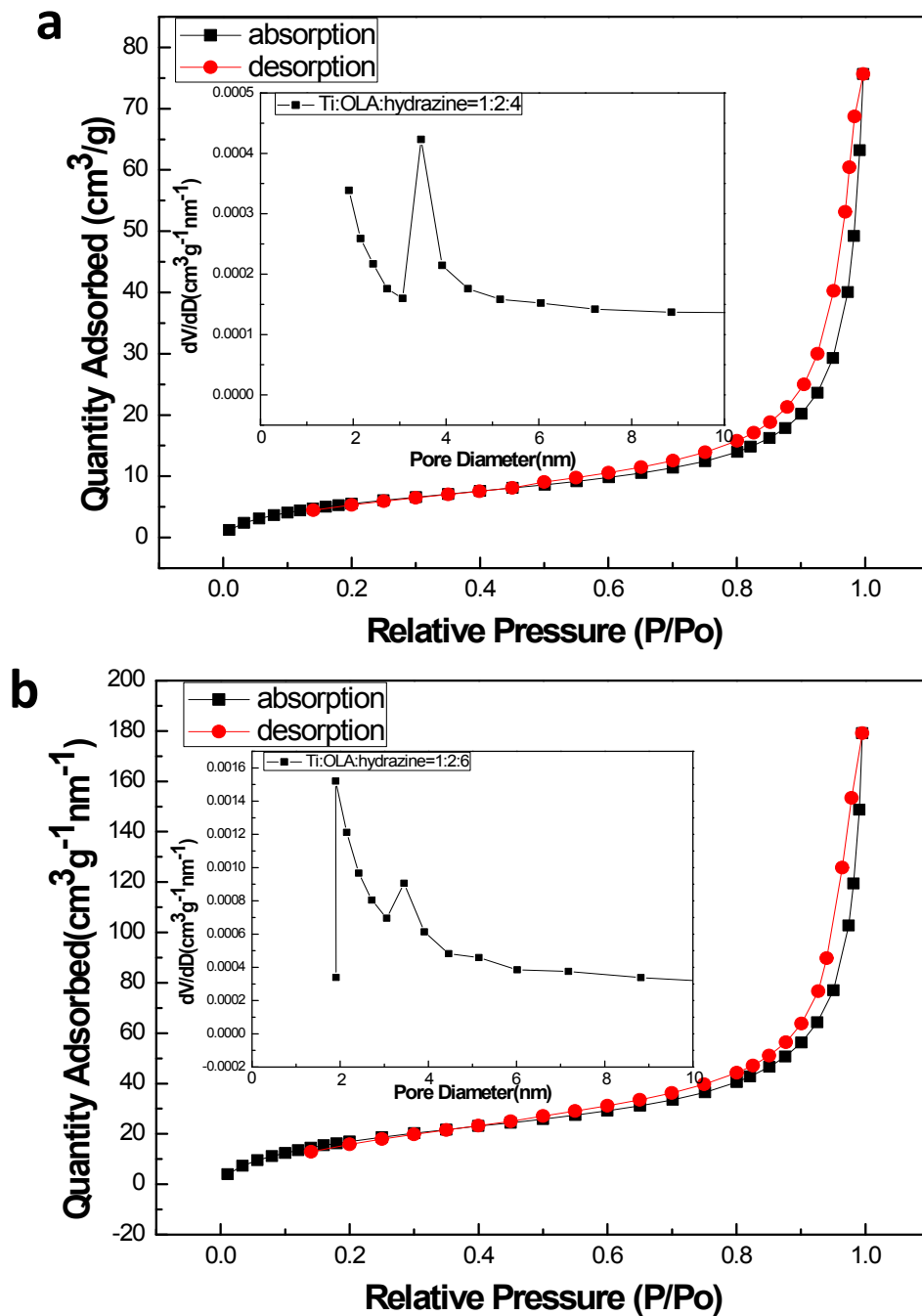


Fig. S2 N₂ adsorption-desorption isotherm (black, adsorption; red, desorption) and pore size distribution of TiO₂ nanowire synthesized at Ti: OLA: hydrazine=1: 2: 4 (a) and 1: 2: 6 (b) at 200°C for 24 h.

