

Supporting Information

Adsorption and photocatalytic decomposition of gaseous 2-propanol using TiO₂-coated porous glass fiber cloth

Sayaka Yanagida ^{1,*}, Kentaro Hirayama ², Kenichiro Iwasaki ^{2,3}, and Atsuo Yasumori ^{2,3}

¹ Center for Crystal Science and Technology, University of Yamanashi, 7-32 Miyamae, Kofu 400-8511, Japan; syanagida@yamanashi.ac.jp

² Department of Material Science and Technology, Tokyo University of Science, 6-3-1 Niijuku, Katsushika-ku, Tokyo 125-8585, Japan; kentaro1218hr@gmail.com (K.H.); iwasaki@rs.tus.ac.jp (K.I.); yasumori@rs.noda.tus.ac.jp (A.Y.)

³ Photocatalysis International Research Center, Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda-shi, Chiba 278-8510, Japan

E-mail: syanagida@yamanashi.ac.jp

Contents

Figure S1.....2

Figure S2.....2

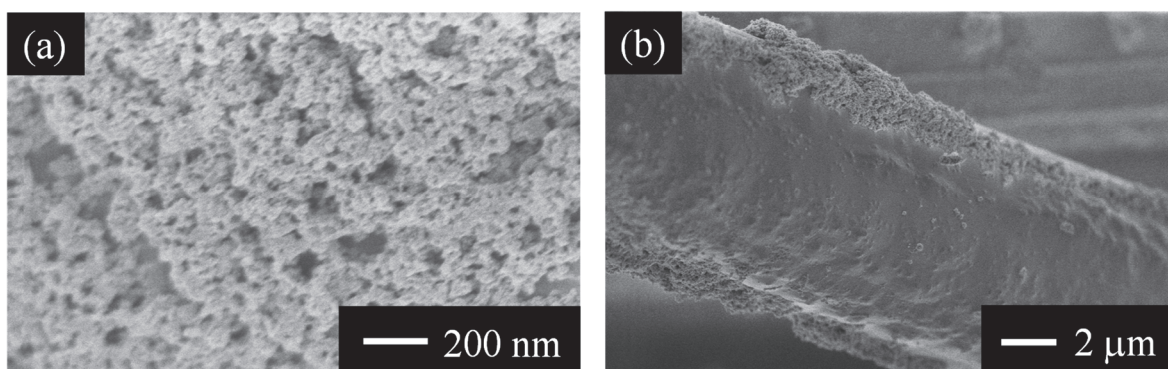


Figure S1. (a) Surface and (b) fracture cross section of the TiO₂ coating on the porous glass cloth.

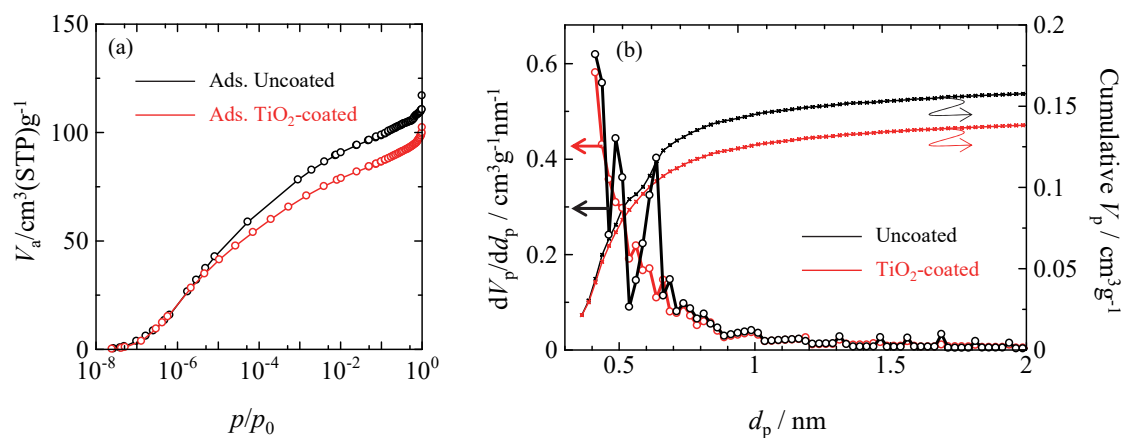


Figure S2. (a) N₂ adsorption isotherms of the non-coated and TiO₂-coated porous glass cloths and (b) pore-size distributions estimated by Saito-Foley fitting using the adsorption potential for N₂ on zeolite Y. V_a : adsorbed volume, d_p : pore diameter, V_p : pore volume.