

Immobilization of Nanofibrous Metal Oxides on Microfibers: Macrostructured Catalyst System Functionalized with Nanoscale Fibrous Metal Oxides

Hitoshi Ogihara,^{*ab} Masahiro Sadakane,^a Qiang Wu,^a Yoshinobu Nodasaka^c and Wataru Ueda^{*a}

^a Catalysis Research Center, Hokkaido University, N21-W10 Kita-ku, Sapporo 001-0021, Japan.
E-mail: ogihara@cms.titech.ac.jp, ueda@cat.hokudai.ac.jp

^b Japan Society for the Promotion of Science, Chiyoda-ku, Tokyo 102-8472, Japan.

^c Oral Functional Science, Graduate School of Dental Medicine, Hokkaido University, N13-W7 Kita-ku, Sapporo, 060-8586, Japan

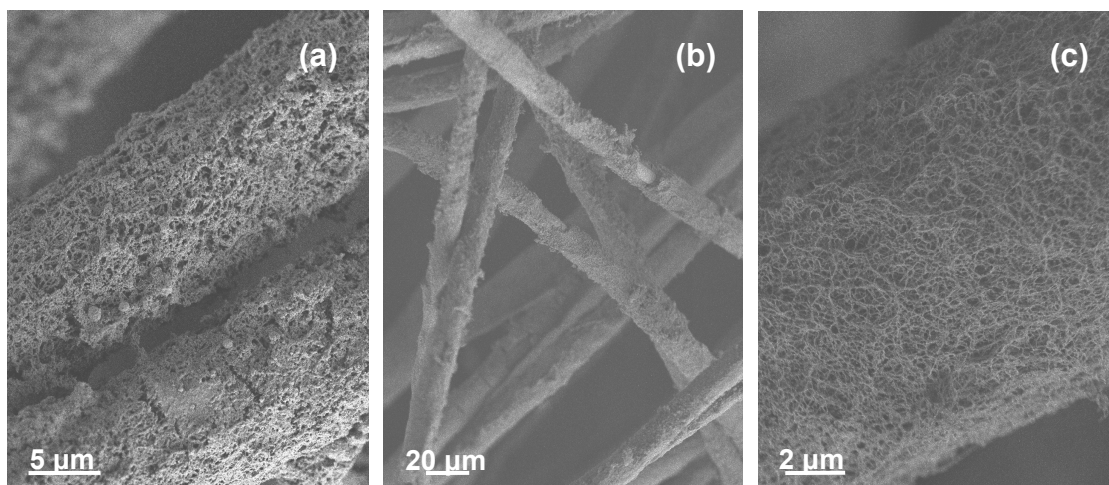


Figure S1. SEM images of (a) silica fibers-immobilized nanofibrous ZrO_2 , (b, c) SiC fibers-immobilized nanofibrous LaMnO_3 .

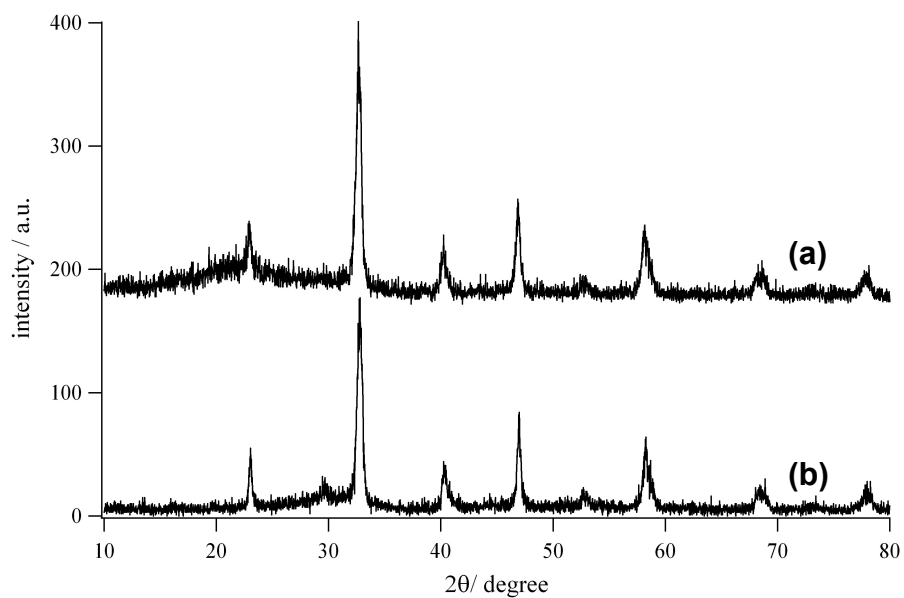


Figure S2. XRD patterns of (a) silica fibers-immobilized nanofibrous LaMnO_3 and (b) LaMnO_3 powder prepared by citrate method.