Electronic Supplementary Information (ESI)

Figure S1

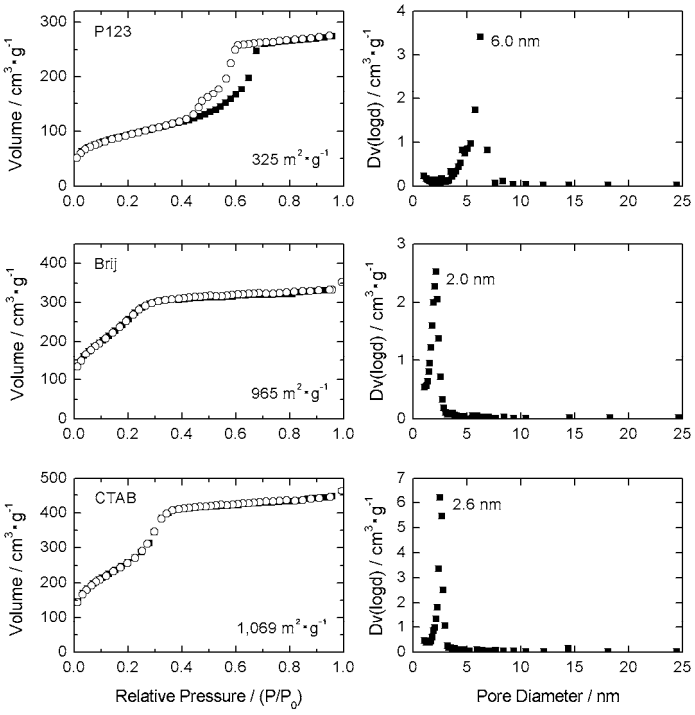

Figure S1 (Left) N_2 adsorption-desorption isotherms of calcined mesoporous silica fibers prepared with Pluronic P123, Brij 56 and CTAB-containing precoursor solutions. Filled squares and open circles indicate adsorption and desorption branches, respectively. (Right) pore size distribution curves calculated by BJH method.

Figure S2

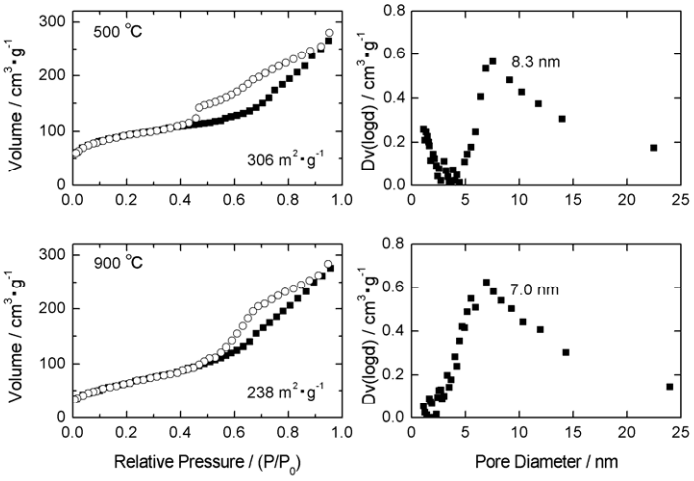

Figure S2 (Left) N_2 adsorption-desorption isotherms of alumina fibers after calcination at 500ºC and 900ºC. Filled squares and open circles indicate adsorption and desorption branches, respectively. (Right) Pore size distribution curves calculated by BJH method.

Figure S3

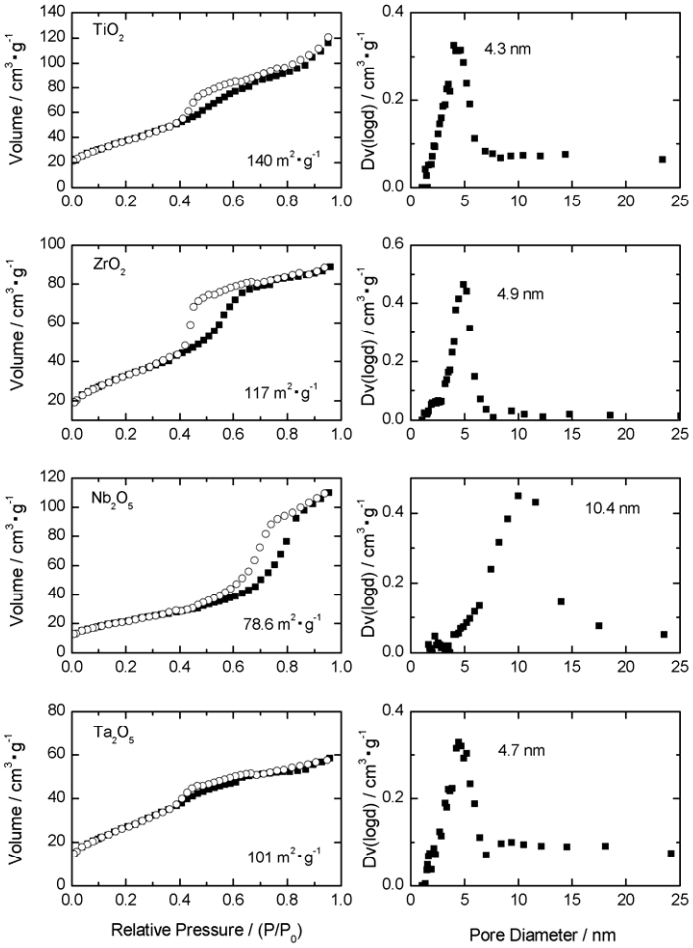

Figure S3 (Left) N_2 adsorption-desorption isotherms of mesoporous metal oxide (titania, zirconia, niobia and tantala) fibers. Filled squares and open circles indicate adsorption and desorption branches, respectively. (Right) Pore size distribution curves calculated by BJH method.

Figure S4

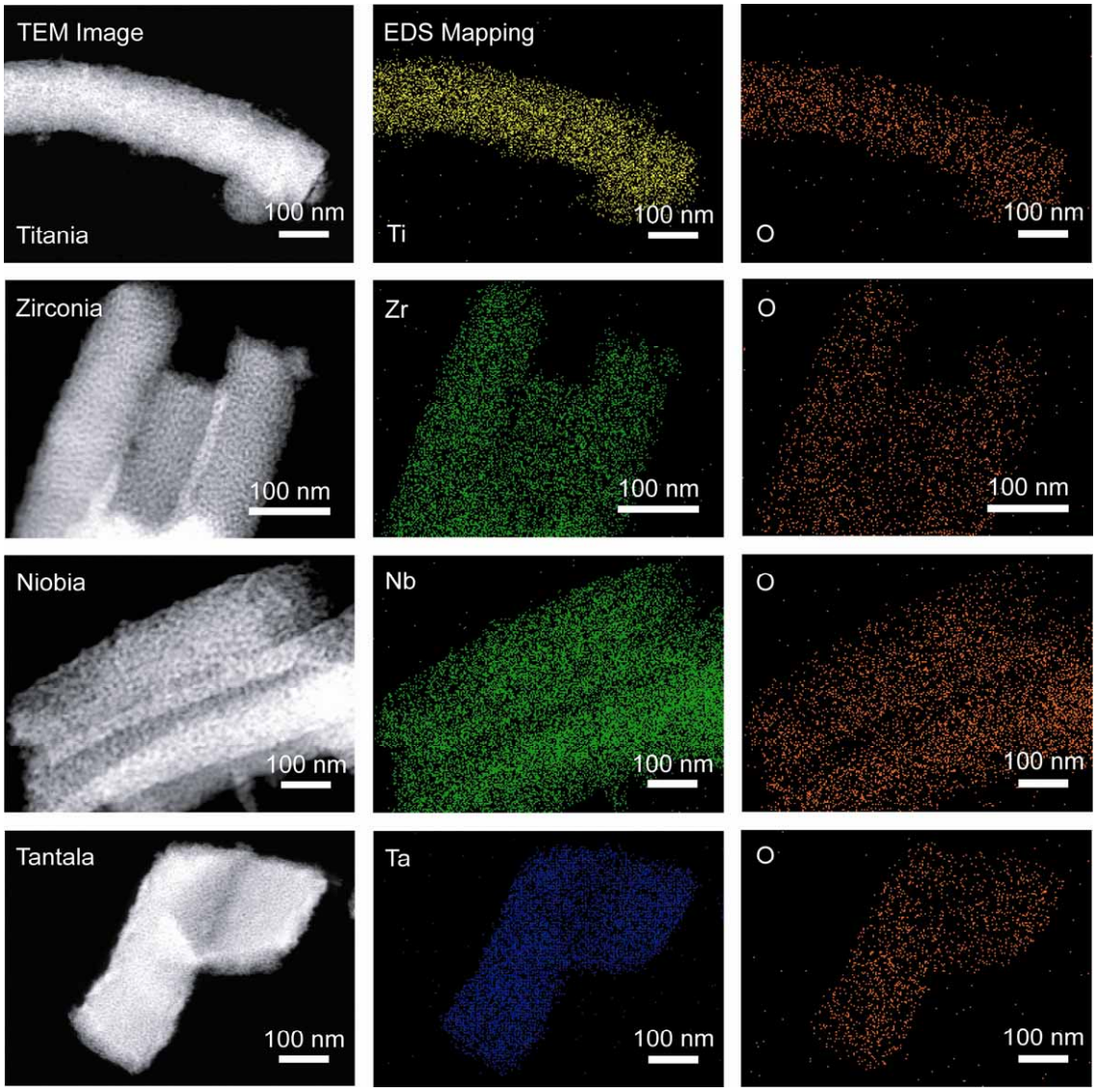

Figure S4 TEM images and EDS mappings (Ti, Zr, Nb, Ta and O) of mesoporous metal oxide (titania, zirconia, niobia and tantala) fibers.