

Electronic Supplementary Information Available for “Synthesis of Surface-Modified Monoclinic ZrO₂ Nanoparticles using Supercritical Water”

Minori Taguchi^{†*}, Seiichi Takami[‡], Tadafumi Adschiri[§], Takayuki Nakane[†], Koichi Sato[†]
and Takashi Naka[†]

[†]National Institute for Materials Science,

1-2-1 Sengen, Tsukuba 305-0047, Japan

[‡]Institute of Multidisciplinary Research for Advanced Materials, Tohoku University,

2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan

[§]WPI, Advanced Institute for Materials Research, Tohoku University,

2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan

Supplementary Figure

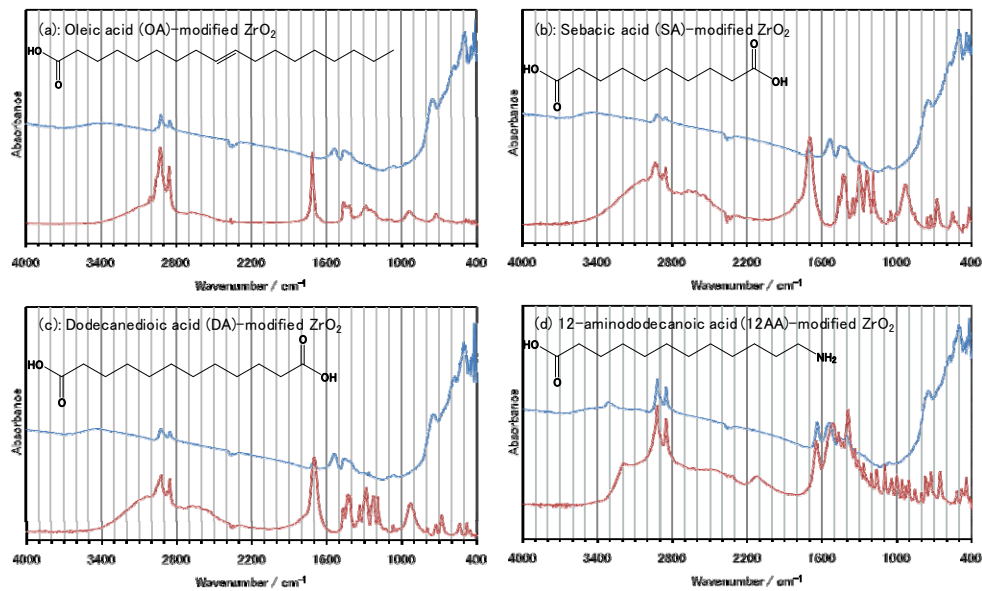


Figure S1. FT-IR spectra of surface-modified ZrO_2 nanoparticles (top: blue line) and original modifiers (bottom: red line): (a) oleic acid (OA)-modified, (b) sebacic acid (SA)-modified, (c) dodecanedioic acid (DA)-modified and (d) 12-aminododecanoic acid-modified.