

Single Walled Carbon Nanotubes (SWNTs) as Templates for the Growth of TiO₂: The Effect of Silicon in Coverage and the Positive and Negative Synergies for the Photocatalytic Degradation of Congo Red Dye

Huma R. Jafray,^{a,b,c} Michael V. Liga,^{a,b,d} Qilin Li,^{*a,b,d} and Andrew R. Barron^{*a,b,c,e}

^a *Richard E. Smalley Institute for Nanoscale Science and Technology, Rice University, Houston, TX 77005, USA.*

^b *Center for Biological and Environmental Nanotechnology, Rice University, Houston, TX 77005, USA*

^c *Department of Chemistry, Rice University, Houston, TX 77005, USA. E-mail address: arb@rice.edu; Tel: (+1) 713 348 5610*

^d *Department of Civil and Environmental Engineering, Rice University, Houston, TX 77005, USA*

^e *Department of Mechanical Engineering and Materials Science, Rice University, Houston, TX 77005, USA*

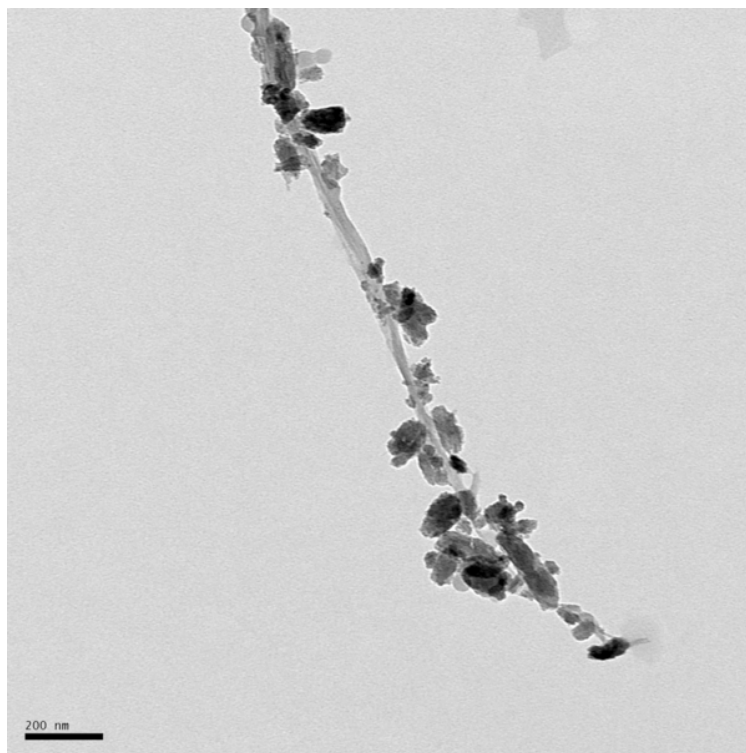


Fig. S1. TEM image of TiO₂-SWNT-PP-21 (scale bar = 200 nm).

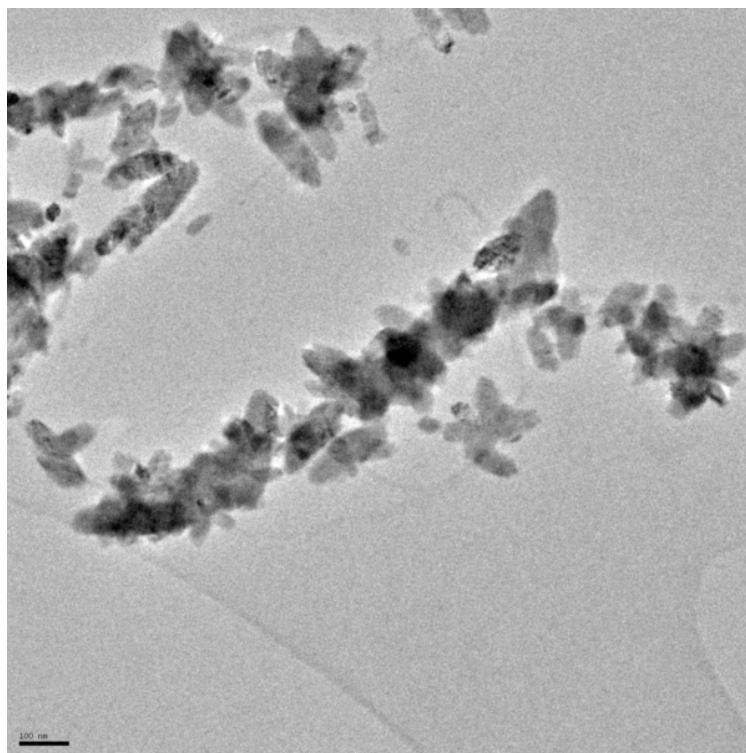


Fig. S2. TEM image of TiO₂-SWNT-glass-21 (scale bar = 100 nm).