A novel route for synthesis of UV-resistant hydrophobic titania-containing silica aerogels by using potassium titanate as precursor

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Supporting Information

Figure S1. (a) TEM image depicting TSA-3, (b) HRTEM image and the corresponding SAED pattern (insert) of the spherical solid in TSA-3.
**Figure S2.** Pictures of water contact angle on samples: (a) TSA-3 and (b) TSA3-600.

**Figure S3.** N₂ adsorption-desorption isotherms of TSA3-600 (Inset: Pore size distribution of the sample)
Figure S4. UV-Vis spectral changes of RhB dye (silica aerogels: 100 mg; RhB: 10mg·L⁻¹).