

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

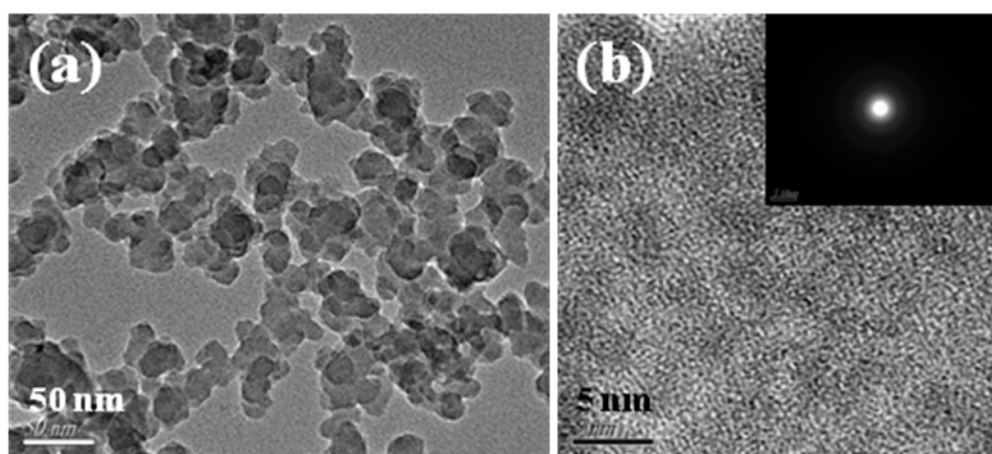


Figure S1. (a) TEM image depicting TSA-3, (b) HRTEM image and the corresponding SAED pattern (insert) of the spherical solid in TSA-3.

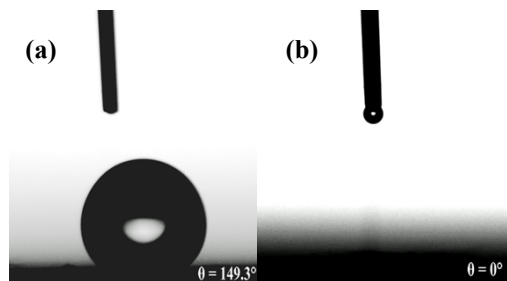


Figure S2. Pictures of water contact angle on samples: (a) TSA-3 and (b) TSA3-600.

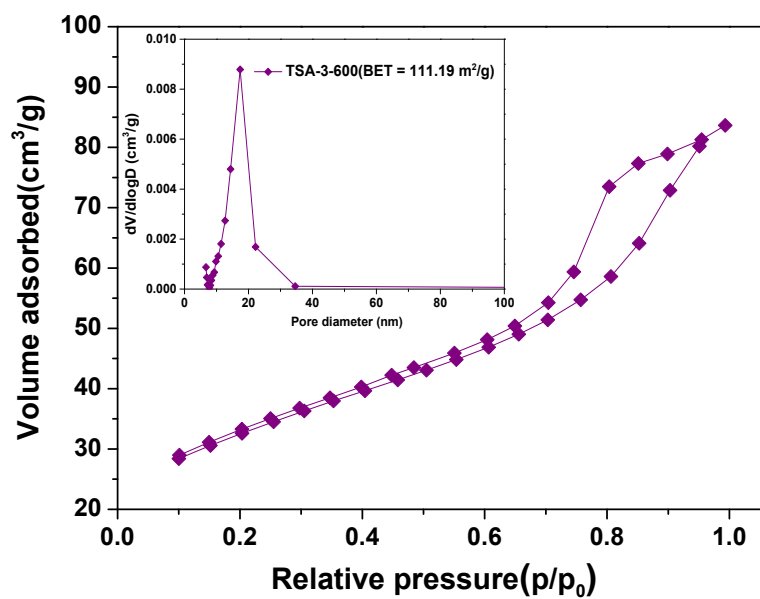


Figure S3. N_2 adsorption-desorption isotherms of TSA3-600 (Inset: Pore size distribution of the sample)

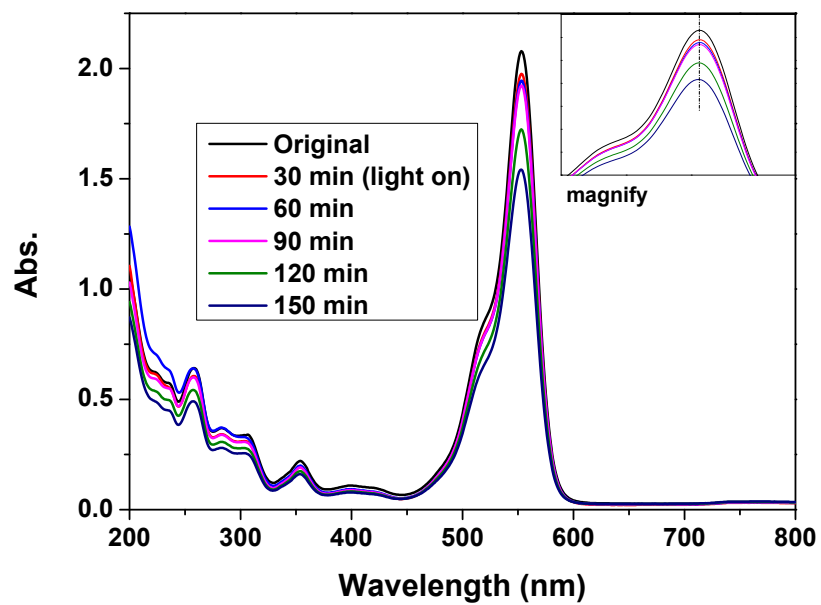


Figure S4. UV-Vis spectral changes of RhB dye (silica aerogels: 100 mg; RhB: 10mg·L⁻¹).