Supporting information

Synthesis and Characterization of Anatase TiO₂ Nanorods: Insights from Nanorods' Formation and Self-Assembly

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Table S1. Calculated parameters used in Scherrer equation ($L = K\lambda / \beta \cos\theta_\beta$) where ($\beta \cong 0.041b$), L is the average size, λ is the X-ray wavelength, β is the full-width at half maximum value calculated in radians by fitting peaks with a 4-parameter Gaussian profile, b is a coefficient in the 4-parameter Gaussian fit profile, θ_β is the Bragg angle for the measured peak, and K is a constant equal to 0.94.

plane index	2T	T	cos(T)	b	β	βcos(T)	L
{101}	29.8	14.9	0.966	1.117	0.0459	0.0443	3.78
{004}	44.6	22.3	0.925	0.221	0.0090	0.0084	19.97
{200}	56.6	28.3	0.881	1.324	0.0544	0.0479	3.506