

Additions and Corrections

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All-Nanoparticle Thin-Film Coatings.

Pages 2308 and 2311. The following are corrections to the version published on the Web on September 9, 2006 (ASAP) and published in the October 2006 issue (Vol. 6, No. 10, pp 2305–2312).

Page 2308, column 2, line 23: The observation that the volume fraction of TiO₂ nanoparticles in the two multilayer systems studied is below 2 vol % (less than 5 wt %) is remarkable and surprising.

Page 2308, Table 1. Corrections to values presented.

Table 1. Porosity and Chemical Composition of Calcinated TiO₂/SiO₂ Multilayers as Determined by In Situ Ellipsometric Method

multilayers	no. of bilayers	composition vol % (wt %)		
		air	TiO ₂ ^a	SiO ₂ ^b
(7 nm TiO ₂ /22 nm SiO ₂)	6	44.7 (0)	1.2 (3.9)	54.1 (96.1)
	6.5	45.3 (0)	1.6 (4.9)	53.1 (95.1)
(7 nm TiO ₂ /7 nm SiO ₂)	12	35.4 (0)	1.6 (4.2)	63.0 (95.8)
	12.5	35.8 (0)	1.7 (4.6)	62.5 (95.4)

^a Density of TiO₂ = 3.9 g/cm³.³⁴ ^b Density of 22 and 7 nm SiO₂ = 2.2 g/cm³.

Page 2311, Figure 4, caption, first sentence: Comparison of the photocatalytic properties of SiO₂/TiO₂ (◇) and SiO₂ nanoparticle-based superhydrophilic coatings (■).

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