

SUPPORTING INFORMATION

High-Quality Hollow Closed-Pore Silica Antireflection Coatings Based on Styrene-Acrylate Emulsion@Organic-Inorganic Silica Precursor

Zhaolong Guo^{†‡§}, Haixin Zhao^{†§}, Wei Zhao[†], Tao Wang[†], Depeng Kong[†], Taojing*

Chen[†], and Xiaoyan Zhang[†]

[†] State Key Laboratory of Transient Optics and Photonics, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, Xi'an 710119, China

[‡] University of Chinese Academy of Sciences, Beijing 100049, China

* Corresponding author. Tel.: +86–29–89605690.

E-mail address: gzxjtu@opt.ac.cn

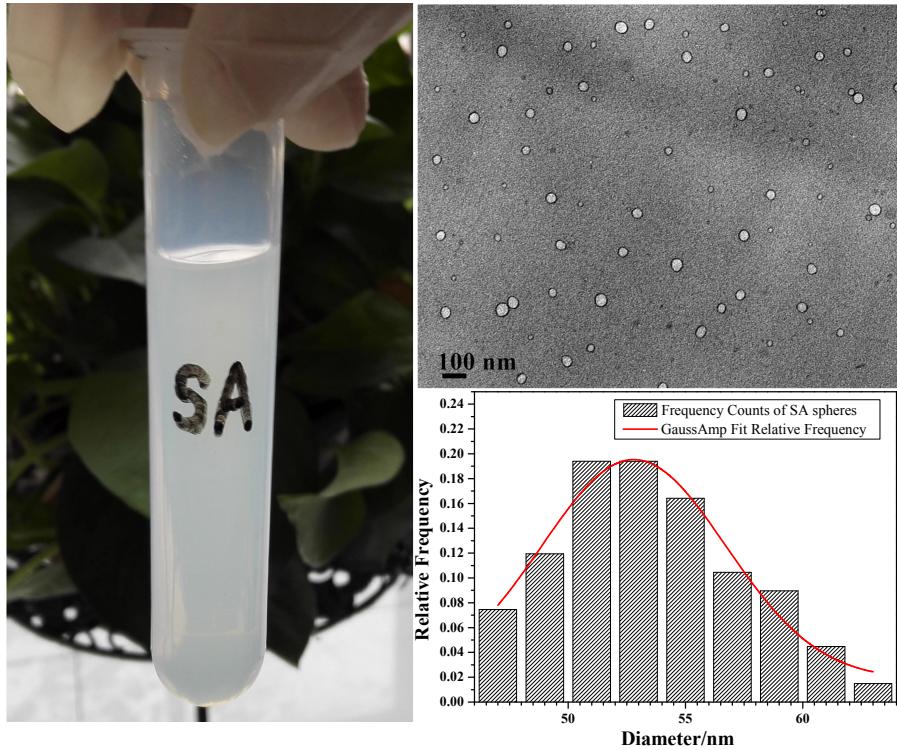


Figure S1. Monodisperse SA nanospheres.

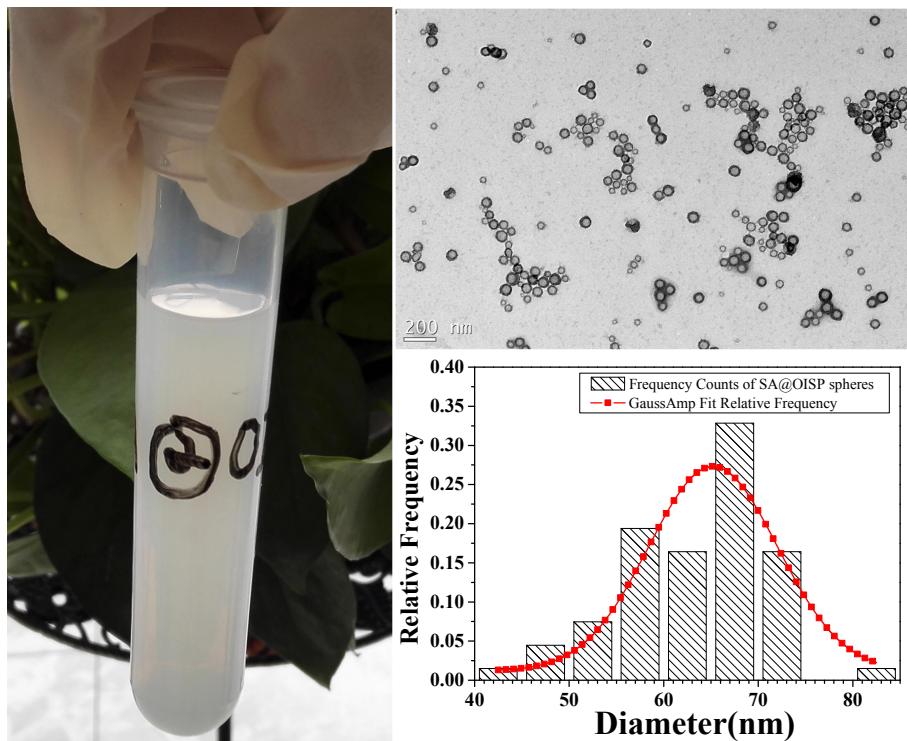


Figure S2. Monodisperse SA@OISP nanospheres.

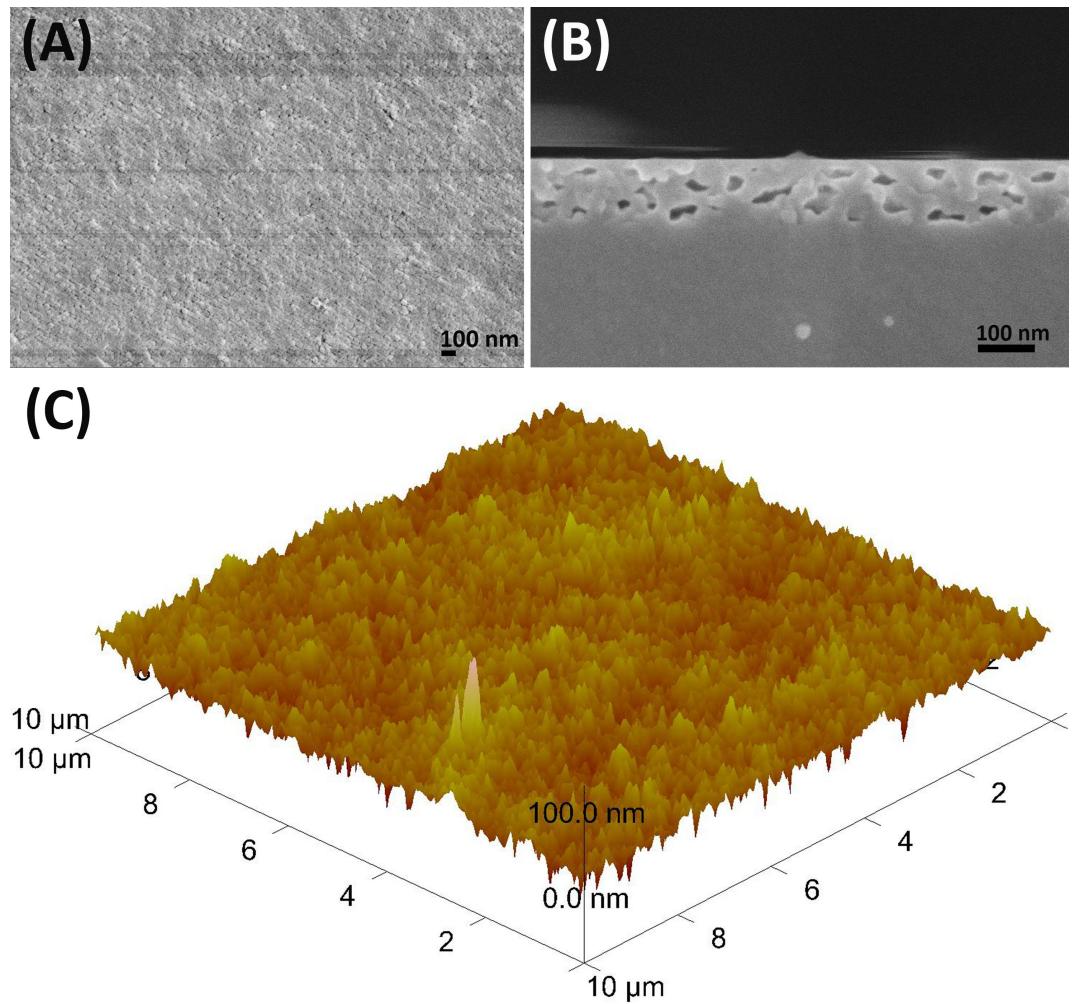


Figure S3. Morphology (A) and the cross-sectional (B) SEM images, and AFM measurement (C) image of well-defined CHAR-300 films.

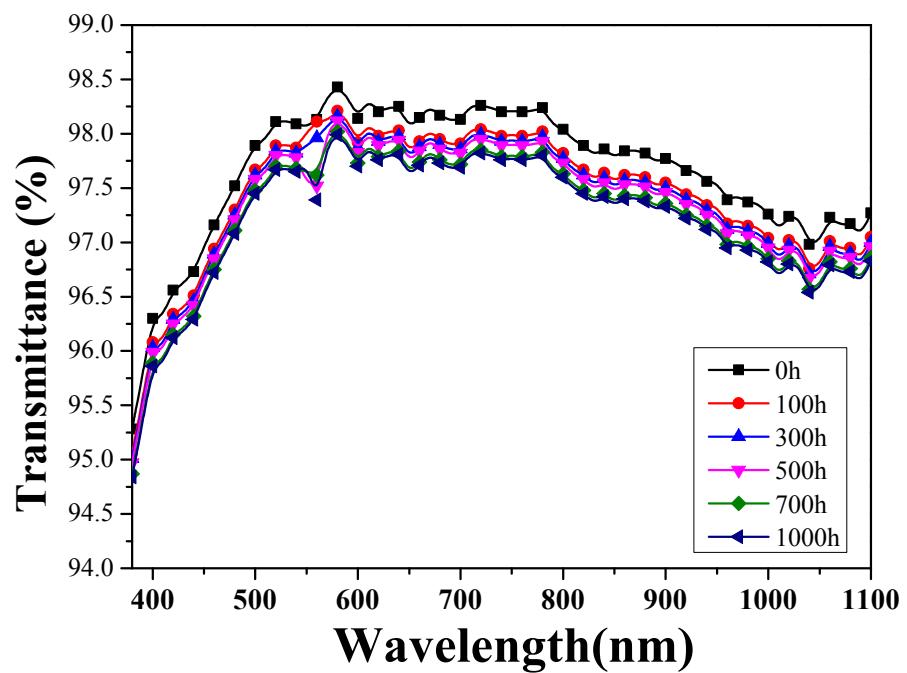


Figure S4. Transmittance spectra with the test time of DHT test.

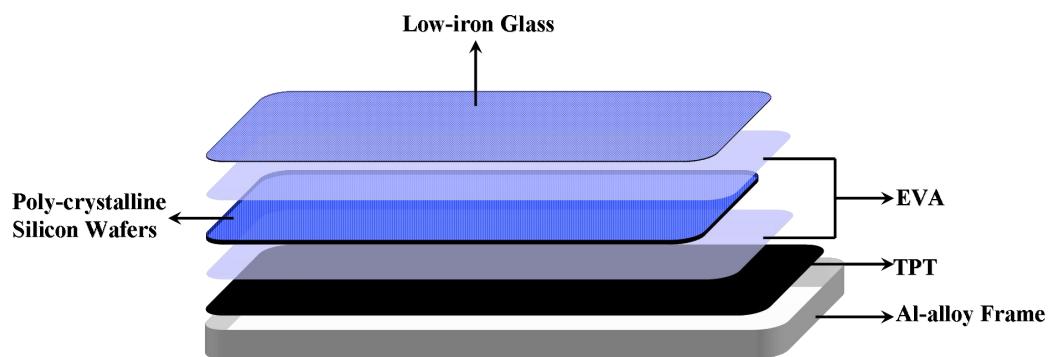


Figure S5. Schematic diagram of the poly-crystalline silicon solar modules.