Supplementary Information

Low-Cost & Low-Temperature Curable Solution-Processed Silicabased Nanostructured Antireflection Coatings on CuIn_{1-x}Ga_xSe₂ Thin Film Solar Cells

Seung-Yeol Han^{a,b,c}, Changqing Pan^{a,b}, Dae-Hwan Kim ^{a,b,d}, Chih-hung Chang^{a,b,c}*

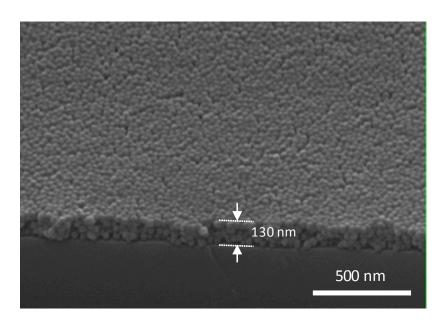


Figure S1. Cross-sectional SEM image of optimized ARC layer

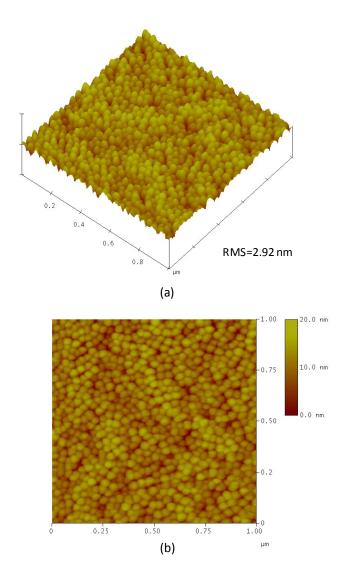


Figure S2. AFM images of (a) tilted top-view and (b) roughness profile on porous silica nanostructured ARC layer.

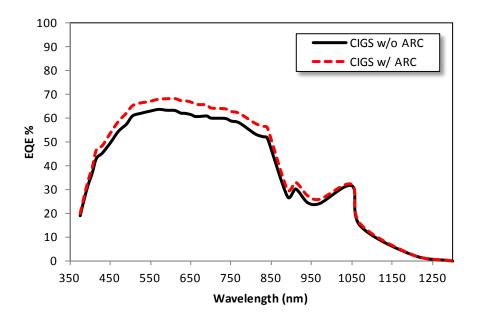


Figure S3. External quantum efficiency (EQE) data of CIGS solar cells with/without ARC