Supplementary Information

Low-Cost & Low-Temperature Curable Solution-Processed Silica-based Nanostructured Antireflection Coatings on CuIn$_{1-x}$Ga$_x$Se$_2$ Thin Film Solar Cells

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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