Supporting Information

for

Two-dimensional photonic crystals increasing vertical light emission from Si nanocrystal-rich thin layers

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Additional experimental data

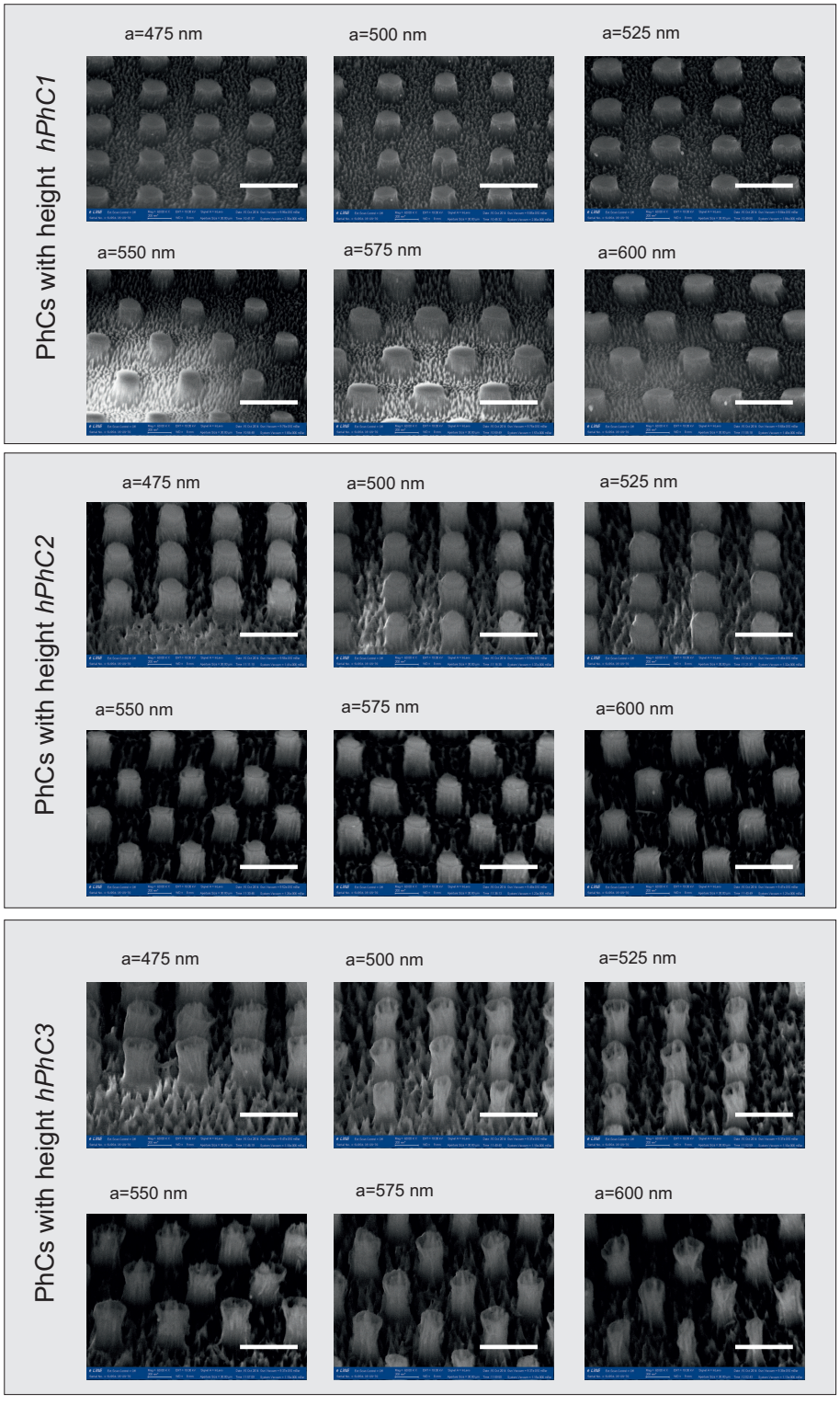

Figure S1: SEM images of the PhCs prepared on SiNCs-rich layers (implant fluence of 1×10^{17} cm^{-2}). The scale bar is 500 nm.

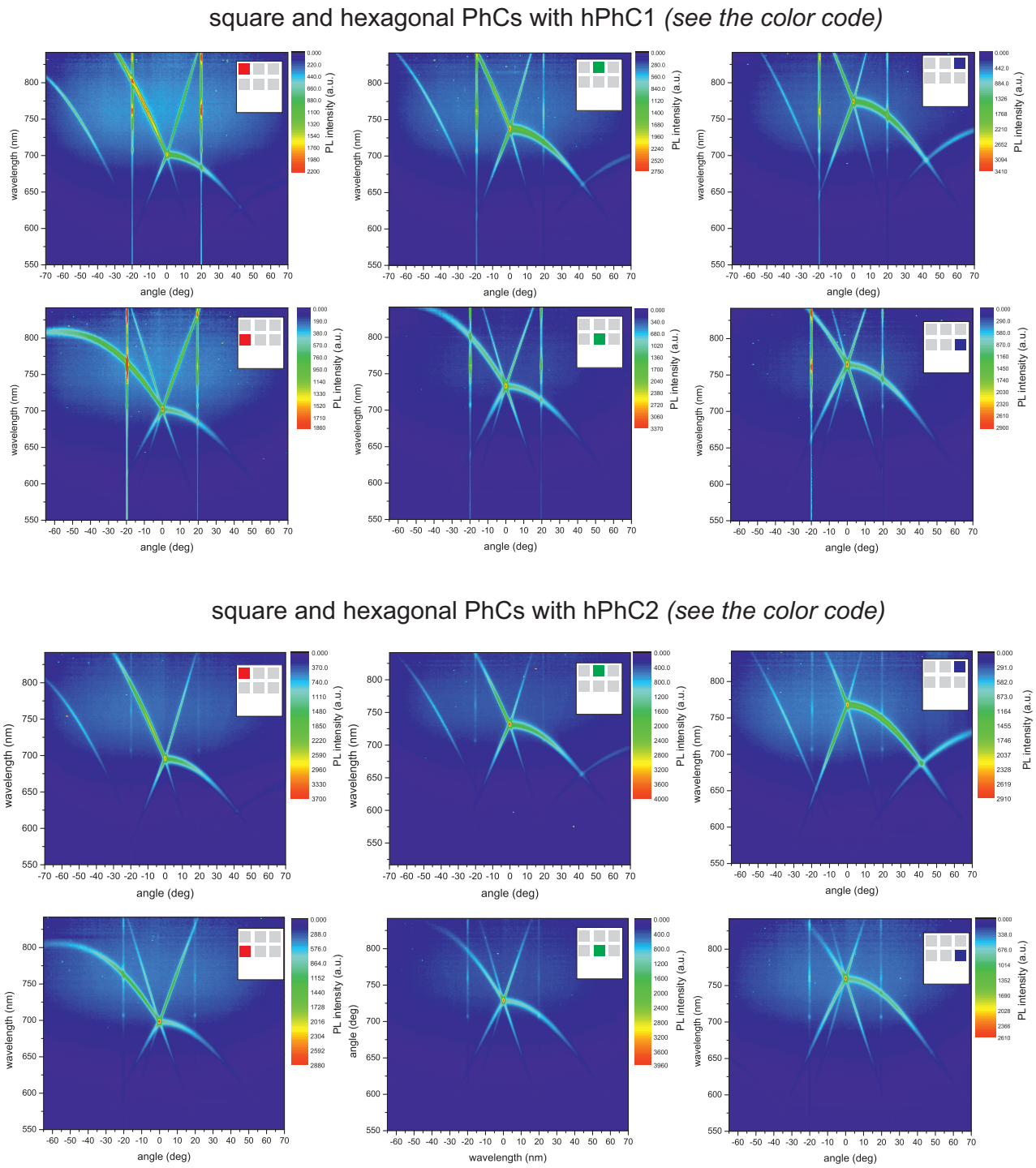

Figure S2: Angle-resolved PL measurements of the PhCs prepared on SiNCs-rich layers.

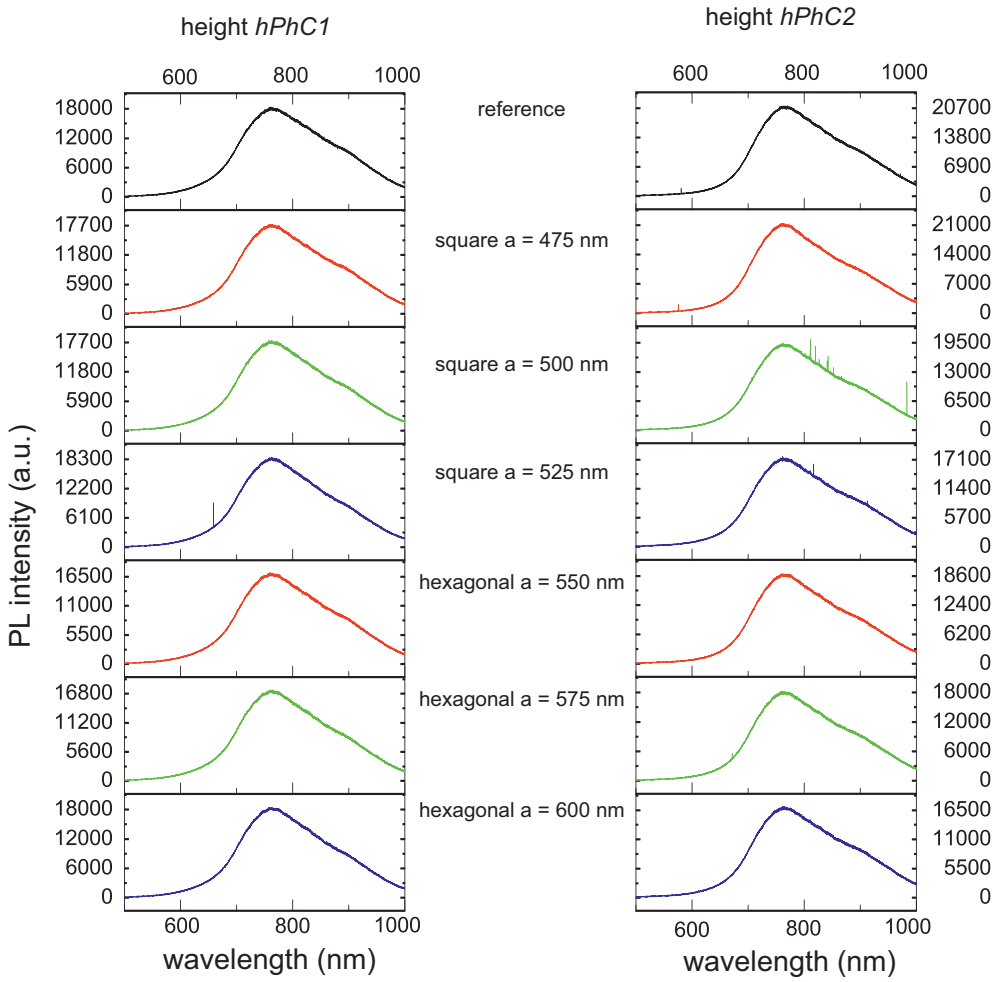

Figure S3: Micro-PL spectra measured in confocal geometry with the objective NA = 0.4 (collection half angle = 23.6°).