

Supplementary Information

Host-Engineered Carbon Dot Luminescence: Integration with Nanowires for Photonics

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GaN NWs excitation-emission map (PL map) is presented in the Fig. S1 before and after the CDs deposition a) and b), respectively (see «Spectral fluorimetry» subsection of «Methods»).

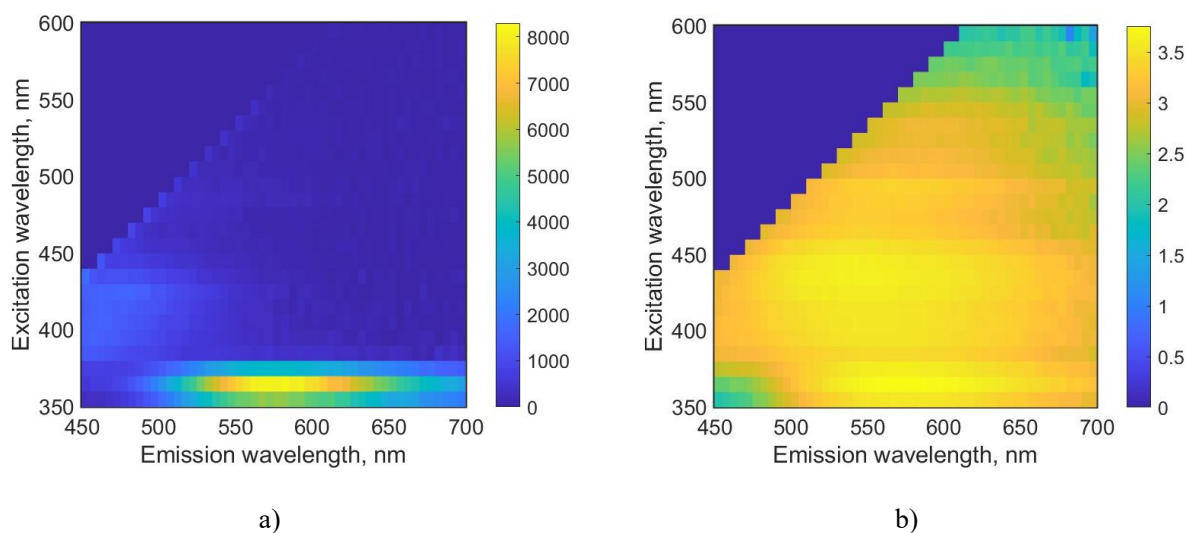


Figure S1. PL map of GaN NWs before and after the CDs deposition a) and b), respectively.

GaP NWs excitation-emission map (PL map) is presented in Fig. S2 before and after the CDs deposition a) and b), respectively.

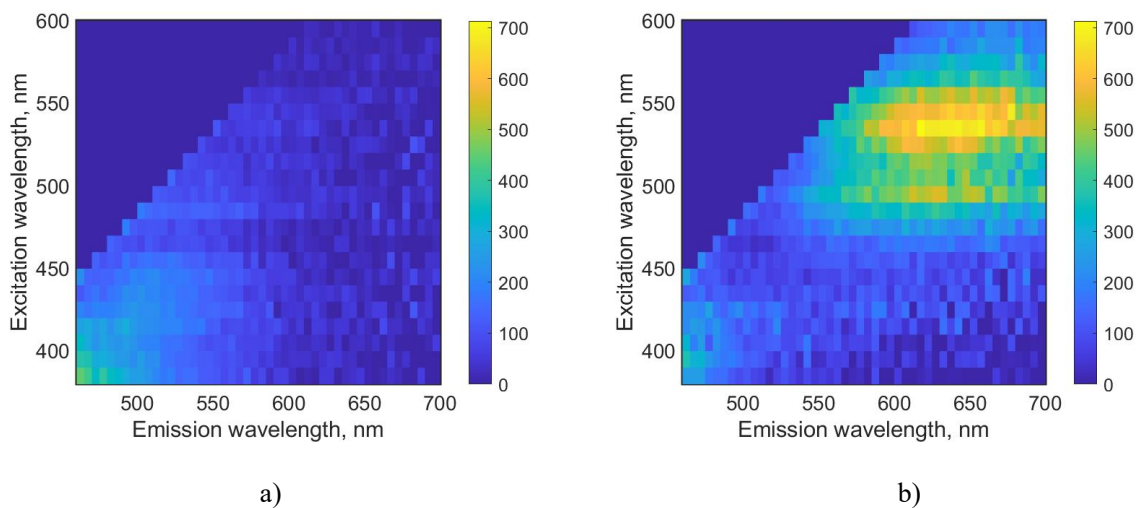


Figure S2. PL map of GaP NWs before and after the CDs deposition a) and b), respectively.

Si NWs excitation-emission map (PL map) is presented in Fig. S3 before and after the CDs deposition a) and b), respectively.

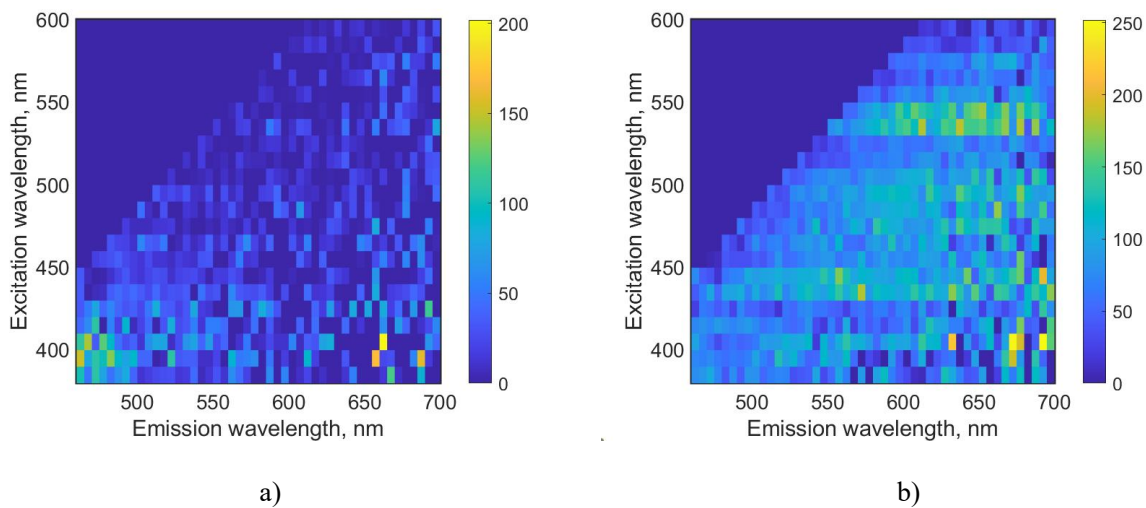


Figure S3. PL map of Si NWs before and after carbon dot deposition a) and b), respectively.

HRTEM image of bare CDs on TEM grid is presented in Fig. S4.

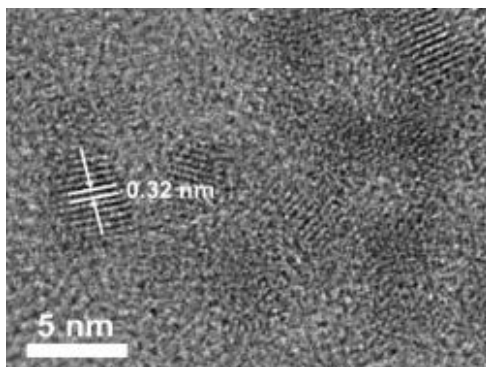


Figure S4. HRTEM image of bare CDs on TEM grid.

TEM image of bare CDs and their size distribution are presented in the Fig. S5.

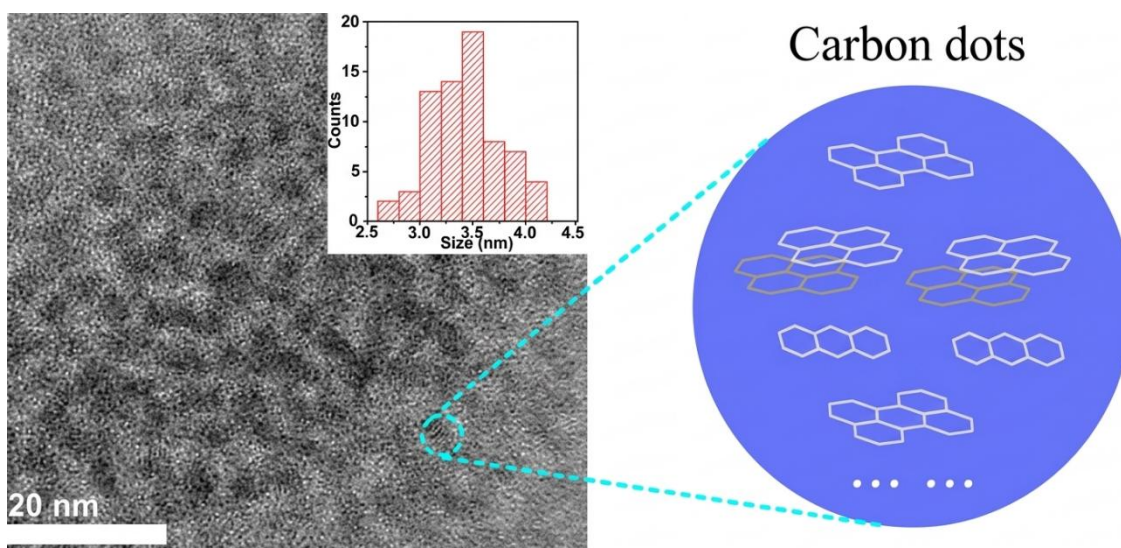


Fig. S5. TEM image of bare CDs and their size distribution.