Supporting information

Covalently Linked Graphene-Oligo(phenylenevinylene) Adduct:
Self-Organization and Photo-physical Properties

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Figure S1. (a) and (c) TEM image, (b) and (d) the corresponding contrast profile of EG-OPV and EG respectively
**Figure S2.** Absorption spectra of EG-acid and EG-OPV
**Figure S3.** Emission spectra for quantification of functionalization ($\lambda_{\text{exc}} = 420$ nm).
**Figure S4.** $^1$H-NMR of a) Hydrolyzed OPV sample and b) **EG-Acid** clearly showing the cyclobutyl peaks in the former (marked in red).

**Figure S5.** ESI-MS of Hydrolyzed OPV sample.