Electronic supplementary information

Dendron-grafted sulfur-terminated phenyleneethynylene molecular rods and blue-luminescence self-assembly with Au nanoparticles

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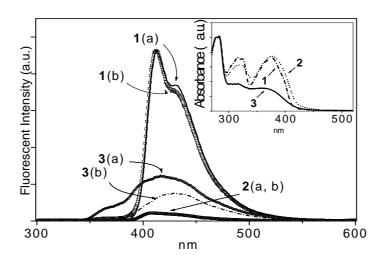


Fig.S1 Emission spectra of **1**, **2** and **3** in degassed THF at 298K (a: $\lambda_{exc} = 280$ nm), b: ($\lambda_{exc} = 380$ nm). Inset: Normalized (at 280nm) absorption spectra of **1**, **2** and **3** in degassed THF at room temperature

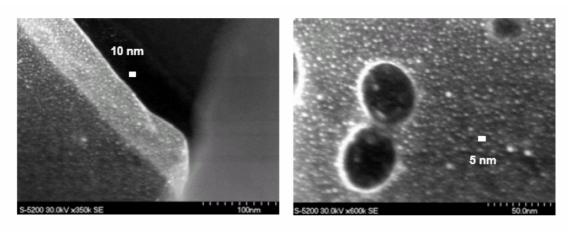


Fig. S2a Fig. S2b

Fig. S2a, 2b Selected SEM images of 3-Au nanoparticle composite.

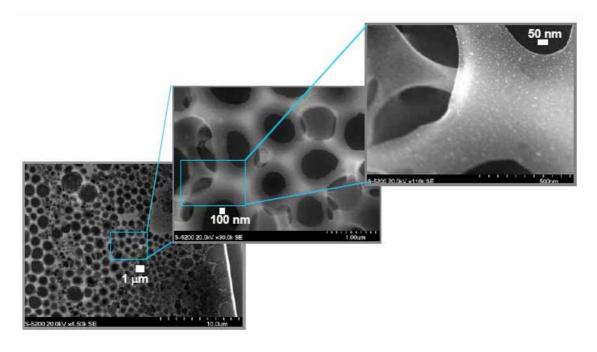


Fig. S3 SEM images of 3-Au nanoparticle composite at three different magnifications in the same region as related to Fig 1a

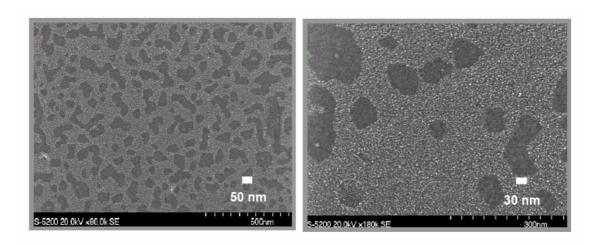


Fig. S4 SEM images of 1-Au nanoparticle mixture.