

Cover Picture

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The cover picture shows the calculated energy-minimized 3D-structure of a polyphenylene dendrimer, which was prepared in a multistep synthesis. The nanoparticle carries three different types of chromophores, located in the center (terrylene), within the scaffold (perylene), and at the periphery (naphthalene). This multichromophoric triad absorbs over the whole range of the visible spectrum and shows, as shown in the picture, a stepwise vectorial energy transfer over a distance of 30 Å from the surface to the core. There is more about polyphenylene chromophores in the communication from Müllen et al. on p. 1904 ff.

