Photophysics of new organic and hybrid fullerene multicomponent systems

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We have recently investigated the photophysical properties of several supramolecular fullerene arrays (1-6). Some of them are made of organic moieties only, others contain also inorganic subunits such as Ru(II), Re(I), and Cu(I) diimmine complexes or Zn-porphyrins (hybrid systems). Some selected examples will be presented, focusing on the control of photoinduced processes, also provided by dendritic encapsulation.

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