Contents

Exotic Self-Organized Fullerene Materials Based on Uncommon Hydrophobic–Amphiphilic Approach ........................................ 1
Yanfei Shen and Takashi Nakanishi

C_{60} Fullerene Amphiphiles as Supramolecular Building Blocks for Organized and Well-Defined Nanoscale Objects ....................... 23
Yuming Zhao and Guang Chen

Multilayer Assembly for Solar Energy Conversion .......................... 55
Anna Troeger, Vito Sgobba, and Dirk M. Guldi

Self- or Induced Organization of [60]Fullerene Hexakisadducts ......... 101
Delphine Felder-Flesch

Dual Role of Phthalocyanines in Carbon Nanostructure-Based Organic Photovoltaics .......................................................... 145
Andrés de la Escosura, Olga Trukhina, and Tomás Torres

Supramolecular Chemistry of Carbon Nanotubes at Interfaces:
Toward Applications .............................................................. 193
Riccardo Marega, Davide Giust, and Davide Bonifazi

Oligomers from sp-Hybridized Carbon: Cumulenes and Polynes ...... 219
Stephanie Frankenberger, Johanna A. Januszewski, and Rik R. Tykwinski

Index .................................................................................... 257