Control over Hierarchy Levels in the Self-Assembly of Stackable Nanotoroids

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A precise control over the hierarchy levels in the outstanding self-organization process shown by a chiral azobenzene dimer has been achieved. The azobenzene dimer forms uniform toroidal nanostructures that can hierarchically organize into chiral nanotubes under the control by temperature, concentration, or light. The nanotubes further organized into supercoiled fibrils, which finally intertwined to form double helices with one-handed helical sense.

【研究室の HP】 <u>http://chem.tf.chiba-u.jp/gacb08/index.html</u> <u>http://chem.tf.chiba-u.jp/yagai/index.html</u>