

A01-8

Reactive molecule based strategy in the synthesis of highly-dense arenophane

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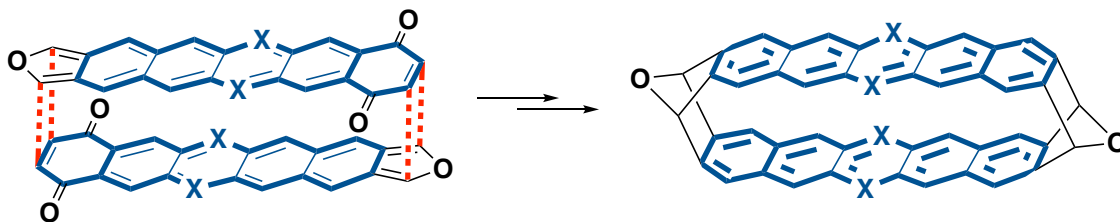
Our Mission: Realization of a new electronic conjugation in intermolecular spaces via precise design of molecules with minimum intermolecular distances

Aims of A01-8

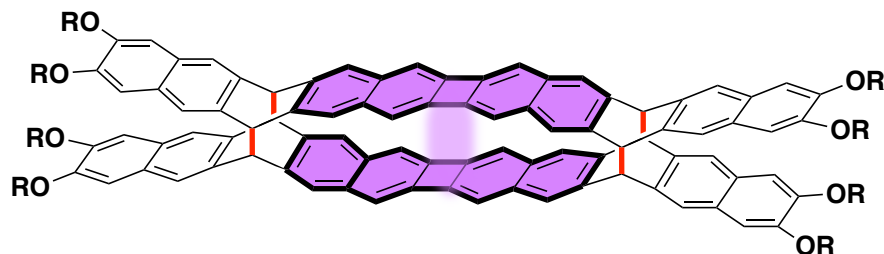
- Self-dimerization of acenes and modification of condensed π -systems
- Precise synthetic access to 3D structure by controlling the orientation of two aromatics

Self-dimerization into arenophane

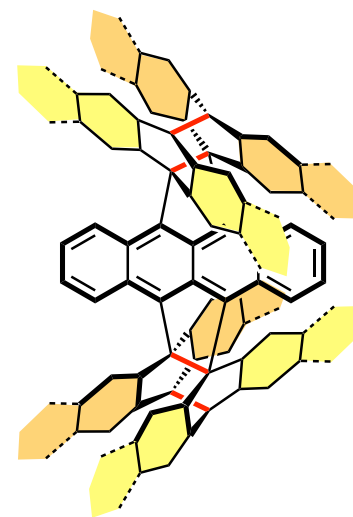
<aromatic–aromatic interaction>



<antiaromatic–antiaromatic interaction>



Condensed π -systems



π -extension at the peri-position