

Supplementary Movies Information for: Giant thermal expansion of a 2D supramolecular network triggered by interdigitation

Sebastian Scherb,^{†,§} Antoine Hinaut,^{*,†,§} Rémy Pawlak,[†] J.G. Vilhena,^{*,†} Yi Liu,[‡]
Sara Freund,[†] Zhao Liu,[†] Xinliang Feng,[¶] Klaus Müllen,[‡] Thilo Glatzel,[†]
Akimitsu Narita,[‡] and Ernst Meyer^{*,†}

[†]*Department of Physics, University of Basel, Klingelbergstrasse 82, 4056, Basel,
Switzerland*

[‡]*Max Plank Institute for Polymer Research, Ackermannweg 10, 55128, Mainz, Germany*

[¶]*Faculty of Chemistry and Food Chemistry, TU Dresden, Mommsenstrasse 4, 01069,
Dresden, Germany*

[§]*These authors contributed equally to this work.*

* E-mail: antoine.hinaut@unibas.ch; guilhermevilhena@gmail.com; ernst.meyer@unibas.ch

Supplementary Movies

Supplementary Movie 1: Molecular Dynamics simulation of three spoked wheel molecules on Au(111) at 5 K for 1 μ s.

Supplementary Movie 2: Molecular Dynamics simulation of three spoked wheel molecules on Au(111) at 450 K for 1 μ s.

Supplementary Movie 3: Molecular Dynamics simulation of a single spoked wheel molecule on Au(111) at 5 K for 1 μ s.

Supplementary Movie 4: Molecular Dynamics simulation of a single spoked wheel molecule on Au(111) at 300 K for 1 μ s.

Supplementary Movie 5: Molecular Dynamics simulation of a single spoked wheel molecule on Au(111) at 450 K for 1 μ s.