JPCCCK

JANUARY 23, 2014
VOLUME 118
NUMBER 3

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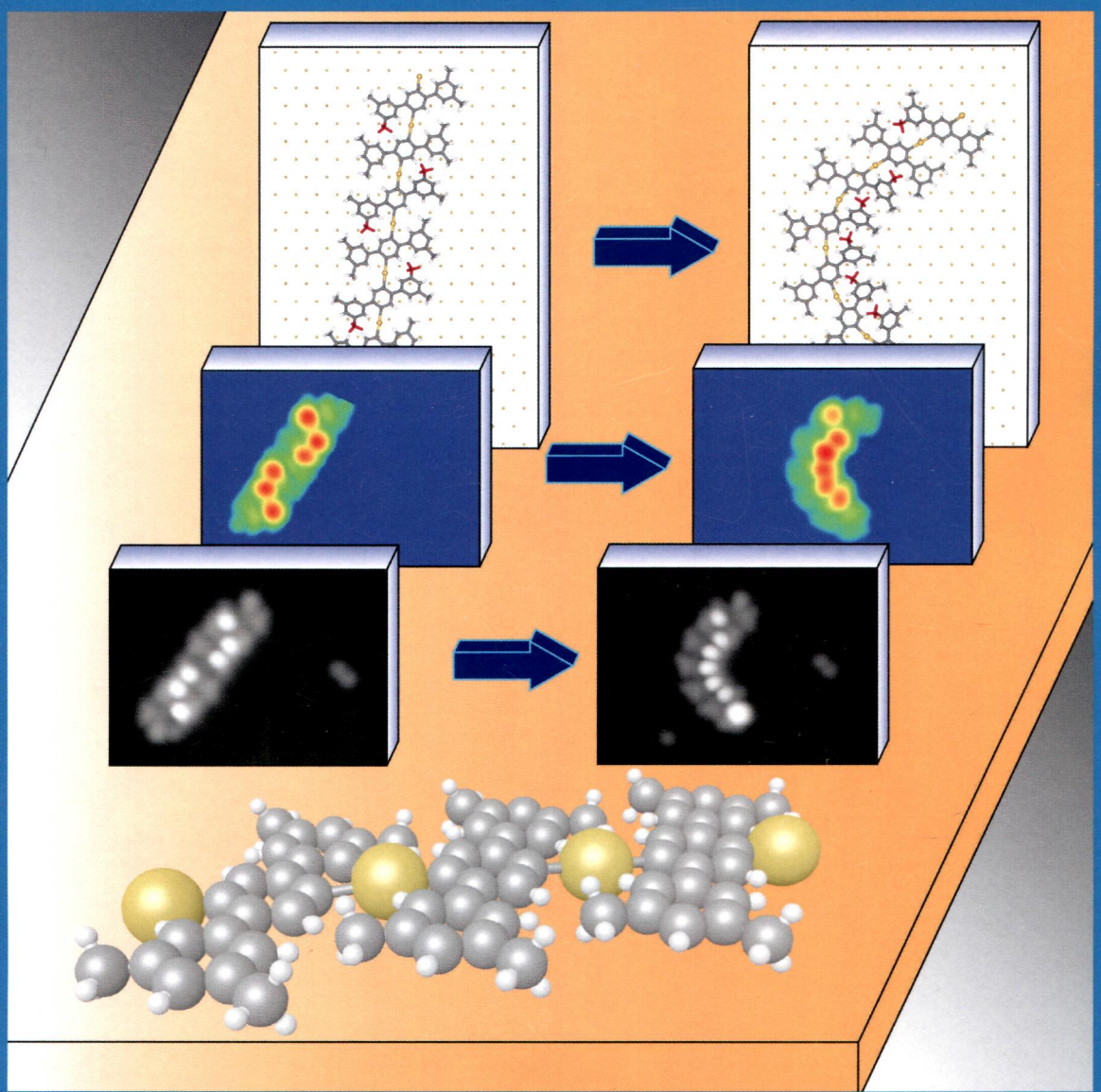
THE JOURNAL OF PHYSICAL CHEMISTRY C



Bending of Single Organometallic Chains Causes Conformational Rearrangement of Their Individual Building Blocks (see page 5A)

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THE JOURNAL OF PHYSICAL CHEMISTRY C

JANUARY 23, 2014
VOLUME 118 ISSUE 3

JPCCCK 118(3) 1407–1754 (2014)
ISSN 1932-7447

ON THE COVER: Bending of single organometallic chains causes conformational rearrangement of their individual building blocks. The conformational structures of single organometallic chains, formed via bottom-up assembly on a metallic surface, are characterized by scanning tunneling microscopy experiments, molecular mechanics simulations, and electron scattering quantum chemistry calculations. Manipulation procedures with the STM probe facilitate the conversion of the chain from a linear to a curved geometry, and it is shown that a transformation of the overall shape of the chain is coupled to a conformational rearrangement of the entire chain structure as well as a change in the adsorption geometry of the monomer units within the chain. See page 1719.

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Additions and Corrections

(S) Supporting Information available via online article