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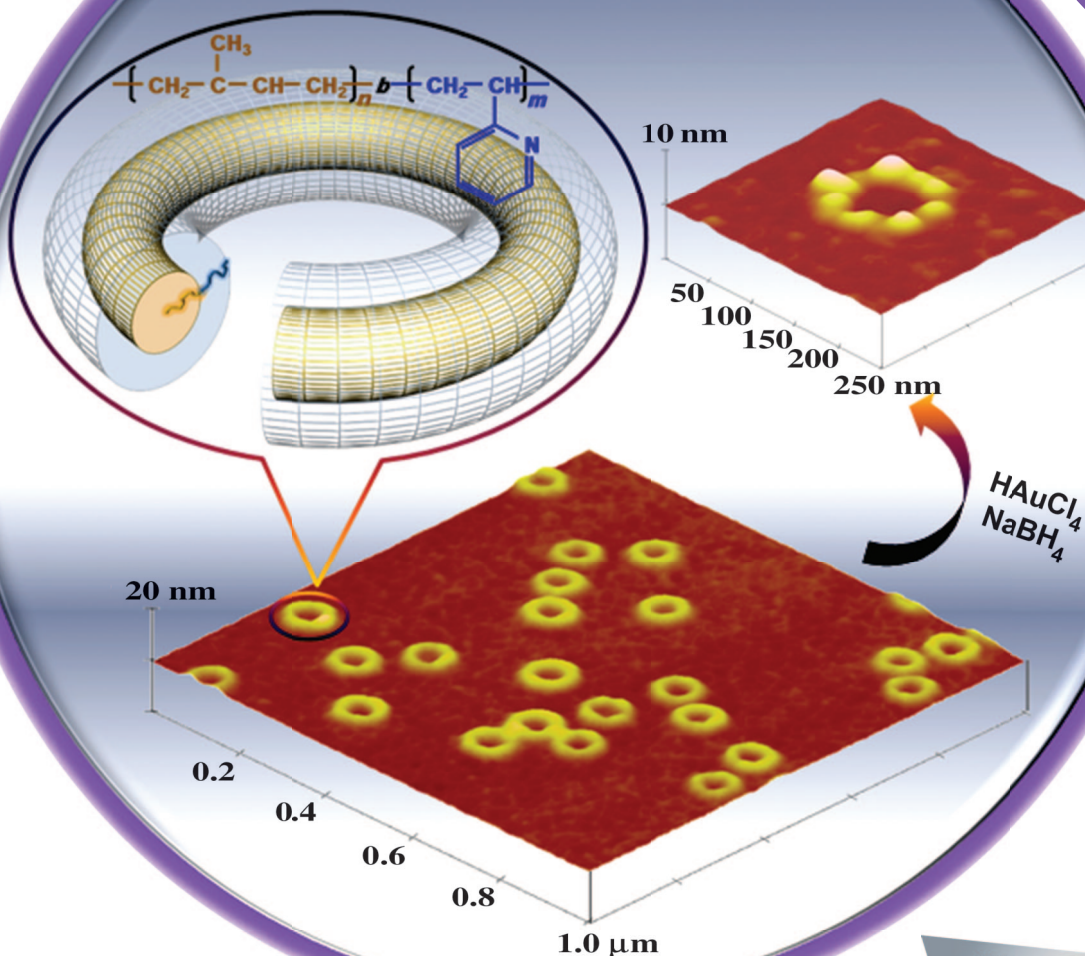


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2009–48/25

Topical Issue:
25 Years
Max Planck Institute
for Polymer
Research

Uniform-Sized Toroidal Micelles



Miniemulsions

K. Landfester

Asymmetric Catalysis

J. M. Brown, R. J. Deeth

Enzyme Catalysis

W. Gärtner

Nanowires

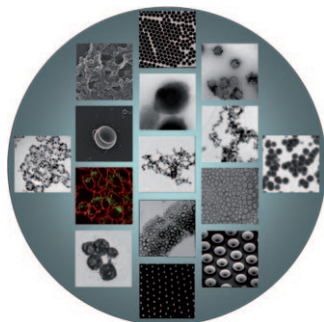
H. Frauenrath et al.



Cover Picture

Haiying Huang, Bonghoon Chung, Jueun Jung, Hae-Woong Park, and Taihyun Chang*

Pure toroidal micelles of highly uniform shape and size are presented by T. Chang et al. in their Communication on page 4594 ff. The donut-shaped micelles are prepared by spontaneous self-assembly of a polyisoprene-*block*-poly(2-vinylpyridine) copolymer, and are stable enough to act as a template for the growth of gold nanoparticles along the ring surface.

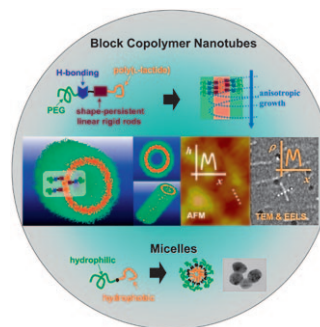


Miniemulsions

A wide variety of materials can form polymer nanoparticles or be encapsulated in a polymer shell using miniemulsions. In a Review on page 4488 ff., K. Landfester describes the advantages of this process, which include the use of water as solvent.

From Micelles and Nanotubes

Depending on the constituents, one block copolymer forms nanotubes in solution, the other spherical micelles, as described by J. L. Hedrick et al. in their Communication on page 4508 ff.



Polymer Synthesis

In their Communication on page 4610 ff., U. H. F. Bunz et al. present the efficient functionalization of a hyperbranched conjugated polymer with iodine end groups.