Curriculum Vitae

Xunda Feng, Ph.D.

Department of Chemical and Environmental Engineering
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Research Interests

Structure and dynamics of soft matter; interfacial phenomena; phase transitions; liquid crystals; block copolymers; polymer nanomaterials; organic thin films.

Education

2009 - 2013	**Ph.D.**, *physics,* **Max Planck Institute for Dynamics and Self-Organization**, Göttingen; the Ph.D. degree awarded by **the University of Göttingen**, Germany.
2006 -2009	**M.Sc.,** *polymer science*, **Renmin University of China**, Beijing, China
2002-2006	**B.S.,** *chemistry,* **Donghua University**, Shanghai, China

Research and Teaching Experience

since 2013	**Postdoctoral associate,** with Prof. Chinedum Osuji, Department of Chemical and Environmental Engineering, Yale University, USA
2009-2012	**EU Marie Curie researcher,** with Prof. Stephan Herminghaus and Dr. Christian Bahr, the Max Planck Institute for Dynamics and Self-Organization, Germany
2012 (2 months)	**Visiting scholar,** with Prof. Martin Möller and Dr. Ahmed Mourran, Institute for Technical and Macromolecular Chemistry, RWTH Aachen, Germany
2011	**Teaching assistant** for Thermodynamics and Statistical Mechanics, with Prof. Marcus Müller, Department of Physics, the University of Göttingen, Germany
2010 (1 month)	**Visiting scholar,** with Prof. Igor Musevic, the Jožef Stefan Institute, Slovenia
2007	**Teaching assistant** for Organic Synthesis Experiments, Renmin University of China
2006-2009	**Research assistant**, with Prof. Zhaoxia Jin, Renmin University of China

Main awards and scholarships

2012-2013	***Max Planck Stipend,*** *the Max Planck Society, Germany*
2009-2012	***Marie Curie Fellowship*** *, European Union, Brussels*

Published papers

* denotes corresponding author

10. <u>Xunda Feng,</u> Ahmed Mourran, Martin Möller, and Christian Bahr

AFM study of Gibbs films of semifluorinated alkanes at liquid crystal/air interfaces

ChemPhysChem *2013, accepted*

9. Shilin Mei, Lu Wang, **<u>Xunda Feng</u>**, and Zhaoxia Jin

Swelling of Block Copolymer Nanoparticles: A Process Combining Deformation and Phase Separation

Langmuir *2013* 29 (14)*, 4640-4646*

8. Shilin Mei, **<u>Xunda Feng</u>***, and Zhaoxia Jin

Polymer nanofibers by controllable infiltration of vapour swollen polymers into cylindrical nanopores

Soft Matter *2013***,** 9 (3), 945-951

7. <u>Xunda Feng,</u> Ahmed Mourran, Martin Möller, and Christian Bahr

Surface ordering and anchoring behaviour at liquid crystal surfaces laden with semifluorinated alkane molecules

Soft Matter *2012***,** 8 (37), 9661-9668

6. <u>Xunda Feng</u>* and Christian Bahr

Surface order at surfactant-laden interfaces between isotropic liquid crystals and liquid phases with different polarity

Physical Review E *2011*, 84(3), 031701(6 pages)

5. <u>Xunda Feng,</u> Shilin Mei, and Zhaoxia Jin

Wettability Transition Induced Transformation and Entrapment of Polymer Nanostructures in Cylindrical Nanopores

Langmuir *2011*, 27 (23), 14240-14247

4. <u>Xunda Feng</u> and Zhaoxia Jin

Spontaneous Formation of Nanoscale Polymer Spheres, Capsules, or Rods by Evaporation of Polymer Solutions in Cylindrical Alumina Nanopores

Macromolecules *2009*, 42 (3), 569-572

3. Shilin Mei, **<u>Xunda Feng</u>** and Zhaoxia Jin

Fabrication of Polymer Nanospheres Based on Rayleigh Instability in Capillary Channels

Macromolecules *2011*, 44 (6), 1615-1620

2. Qichao Zhao, Jing Yin, **<u>Xunda Feng</u>**, Zujin Shi, Zigang Ge, and Zhaoxia Jin

A Biocompatible Chitosan Composite Containing Phosphotungstic Acid Modified Single-Walled Carbon Nanotubes

Journal of Nanoscience and Nanotechnology *2010, 10* (11), 7126-7129

1. Qichao Zhao, **<u>Xunda Feng</u>**, Shilin Mei, and Zhaoxia Jin

Carbon-nanotube-assisted high loading and controlled release of polyoxometalates in biodegradable multilayer thin films

Nanotechnology *2009*, *20*, 105101 (8pp)