

Curriculum Vitae

Personal

Name: Yan Zeng
Place of Birth: Nanchang (China)
Date of Birth: August 11th, 1983
Nationality: Chinese
Address: 1050 Engineering Building I, NC State University, Raleigh,
USA
Contact: yzeng6@ncsu.edu

Education

Technische Universität Berlin, November 2011

Ph.D., *magna cum laude*, Physical Chemistry

Advisor: Prof. Dr. Regine von Klitzing

Humboldt Universität zu Berlin, October 2006

M.S., *very good*, Polymer Science

Wuhan University, June 2004

B.S., Applied Chemistry

Research and Teaching Experience

North Carolina State University, 2012-Present

Post-doctoral research with Prof. Orlin Velev

Topic: Microfibrillated cellulose based materials and composites

Technische Universität Berlin, 2006–2011

Graduate Student with Prof. Dr. Regine von Klitzing

Ph.D. Thesis: Structuring of Colloidal Dispersions in Slit-pore Confinement

Technische Universität Berlin, 2005–2006

Research Assistant with Prof. Dr. Gerhard Findenege

Master's Thesis: DSC Study of Melting and Freezing of Organic Substances in Ordered Mesoporous Silica Materials

Wuhan University, 2004

Research Assistant with Prof. Naicai Cai

Bachelor's Thesis: Chemical Deposition of Polyaniline on Activated Carbon for Electrochemical Capacitors

Technische Universität Berlin, Spring 2007/2008/2009

Teaching Assistant

Introductory to the experimental part of master's course "Polymers at interface"

Awards

Section Condensed Matter (SKM) Dissertation Award of DPG 2012

Scholarship for female Ph.D. student (Frauen-Promotionsabschlussstipendium), Technical University Berlin, 2010

Excellent undergraduate's thesis, Wuhan University, 06/2004

Outstanding undergraduate student scholarship, Wuhan University, 2001-2003

Skills

Chemistry: Mesoporous materials synthesis, layer-by-layer deposition, surface modification, polymerization, self-assembly of colloidal particles

Expert instrumental skills: AFM, including surface imaging, force measurements, and mechanical properties determination; SAXS; DSC; QCM

Other characterization techniques: Nitrogen adsorption, surface tension, zeta potential, contact angle, ellipsometry, IR, UV-Vis spectroscopy, cyclic voltammetry, X-ray diffraction, SEM, TEM

Software: Igor Pro, Latex, MS office, Origin

Language: English (fluent), German (basic), Chinese (native)

Selected Conference Contributions

76th DPG Spring Meeting of the Condensed Matter Section, March 25th–30th 2011, Berlin

25th Meeting of European Colloid and Interface Society September 4th–9th 2011, Berlin

7th Liquid Matter, June 27th–July 1st 2008, Lund, Sweden

72th DPG Spring Meeting of the Condensed Matter Section, February 25th–29th 2008, Berlin

References

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Prof. Dr. Sabine Klapp
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