

CURRICULUM VITAE

Rong Chen

EDUCATION

Ph.D. in Chemistry 08/2003
University of Southern California, Los Angeles, California

B.S. in Polymer Chemistry 06/1996
University of Science and Technology of China, Hefei, China

PROFESSIONAL HISTORY

Lecturer, Coordinator of Organic Chemistry Lectures 01/2008 – 06/2010
Lecturer, Coordinator of Undergraduate Organic Laboratories 09/2003 – 12/2007
09/2010 – 08/2018

Department of Chemistry
Stony Brook University, Stony Brook, NY

TEACHING EXPERIENCES

- Coordinated, facilitated, and lectured *Organic Chemistry Laboratory CHE 327*.
- Coordinated, facilitated, and lectured *Introductory–Intermediate Synthetic and Spectroscopic Techniques CHE 383-384*, an advanced synthetic laboratory course sequence for chemistry majors
- Co-authored custom published *Organic Chemistry Laboratory Manual*
- Developed, obtained fund and implemented the use of cloud-based electronic laboratory notebooks in *CHE 327* and *CHE 384*
- Led and/or participated in developing and implementing the curricula of *Organic Chemistry Laboratory* and *Molecular Sciences Laboratory* courses
- Coordinated *Organic Chemistry CHE 321, CHE 322, CHE 326*
- Coordinated and facilitated the POGIL style workshops and peer-led learning groups in *Organic Chemistry CHE 321, CHE 322, CHE 326*
- Co-lectured *Tools of Chemistry CHE 385*, a writing course for chemistry majors

ADVISING AND MENTORING EXPERIENCES

- Advised faculty on developments in pedagogy, curriculum materials, assessment, and technology, and served as the consultant in their implementation
- Recruited, trained and supervised undergraduate teaching assistants
- Trained and supervised graduate teaching assistants
- Mentored graduate students and postdoc interested in a teaching career
- Served as the academic advisor for chemistry majors and pre-med students

- Served as the chemistry advisor for transfer students university wide
- Collaborated with Center for Excellence in Learning and Teaching at Stony Brook University in pursuit of developing training programs for teaching assistant with diverse background

MANAGEMENT EXPERIENCES

- Managed and oversaw the daily operation of organic chemistry teaching laboratory
- Led the expansion of organic chemistry teaching laboratory in 2005 and 2014
- Co-planned, coordinated and oversaw the renovation of organic chemistry teaching laboratory between 2003 and 2010

PUBLICATIONS AND PRESENTATION

“Synthesis and Spectroscopic Studies of Macrocyclic Polystyrene Containing Two Fluorene Units and Single 9,10-Anthracenylidene Group”, **Rong Chen**, Jun Ling, Thieo E. Hogen-Esch. *Macromolecules* **2009**, 42, 6015-6022.

“Investigation of Macrocyclic Polymers as Artificial Light Harvesters: Subpicosecond Energy Transfer in Poly(9,9-dimethyl-2-vinylfluorene)”, Jerainne M. Johnson, **Rong Chen**, Xiyi Chen, Amy C. Moskun, Xi Zhang, Thieo E. Hogen-Esch and Stephen E. Bradforth. *J. Phys. Chem. B*, **2008**, 112 (51), pp 16367–16381.

“Synthesis and Thermal and Spectroscopic Properties of Macrocyclic Vinyl Aromatic Polymers.” **Rong Chen**, Gennadi G. Nossarev, Thieo E. Hogen-Esch. *Journal of Polymer Science, Part A: Polymer Chemistry* **2004**, 42, 5488-5503.

“Synthesis and Properties of Macrocyclic Vinyl Aromatic Polymers Containing a Single 1,4-Benzylidene or 9,10-Anthracenylidene Group.” **Rong Chen**, Gennadi G. Nossarev, Thieo E. Hogen-Esch. *Macromolecular Symposia* **2004**, 215 (Proceedings of the 2003 International Symposium on Ionic Polymerization and Related Processes), 67-79.

“Ultraviolet Absorption and Fluorescence Emission Spectroscopic Studies of Macrocyclic and Linear Poly(9,9-dimethyl-2-vinylfluorene). Evidence for Ground State Chromophore Interactions.” **Rong Chen**, Jerainne M. Johnson, Stephen E. Bradforth and Thieo E. Hogen-Esch. *Macromolecules* **2003**, 36, 9966.

"Synthesis and Thermal Properties of Macrocyclic Poly(9,9-dimethyl-2-vinylfluorene) Containing Single 1,4-Benzylidene or 9,10-Anthracenylidene Linking Units" **Rong Chen**, Xi Zhang and Thieo E. Hogen-Esch. *Macromolecules* **2003**, 36, 7477.

“A New Bifunctional Initiator for Use in Anionic Polymerizations”, Kurt A. Alberty, **Rong Chen**, Thieo E. Hogen-Esch. *J. Polym. Sci., Part A: Polym. Chem.* **2002**, 40, 2108.

“Synthesis and Characterization of Macrocyclic Poly[4-N,N-dimethylamino]styrene]”, **Rong Chen**, Thieo E. Hogen-Esch. *ACS Div. Polym. Polym. Prepr.* **2002**, 43(2), 1142. Poster presentation at *The 224th ACS National Meeting*, Boston, Massachusetts (August, **2002**).

"Synthesis and Thermal Properties of Macrocyclic Poly(9,9-dimethyl-2-vinylfluorene)", **Rong Chen**, Thio E. Hogen-Esch. *ACS Div. Polym. Polym. Prepr.* **2002**, 44(1), 972. Poster presentation at *The 225th ACS National Meeting*, New Orleans, Louisiana (March, **2003**).

"Kinetically Controlled Dimerization of 4-(N,N-Dimethylamino)styrene (DMAS) and Synthesis of Macrocyclic PDMAS", **Rong Chen**, William N. Warner and Thio E. Hogen-Esch. Poster presentation at *The 30th John Stauffer Research Symposium*, University of Southern California, Los Angeles, California, April 16, **2002**.