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EDUCATION

Rensselaer Polytechnic Institute, USA	Nuclear Engineering	September 2009 – present
Tsinghua University, China	Engineering Physics	Ms.E, 2009
Tsinghua University, China	Engineering Physics	B.E, 2006

Publications

- [1] Bin Wu, Xin Li, Changwoo Do, Tae-Hwan Kim, Chwen-Yang Shew, Yun Liu, Jun Yang, Kunlun Hong, Lionel Porcar, Chun-Yu Chen, Emily Liu, Gregory S. Smith, Kenneth W. Herwig and Wei-Ren Chen, **Spatial distribution of intra-molecular water and polymeric components in polyelectrolyte dendrimers revealed by small angle scattering investigations**, *J. Chem. Phys.* 135, 144903 (2011)
- [2] Bin Wu, Xin Li, Changwoo Do, Chwen-Yang Shew, Yun Liu, Kunlun Hong, Lionel Porcar, Emily Liu, Gregory S. Smith and Wei-Ren Chen, **Small Angle Neutron Scattering Behavior of Polyelectrolyte Dendrimers Revealed by Atomistic Simulation**, *J. Chem. Phys.*(submitted).
- [3] Kunlun Hong, Yun Liu, Lionel Porcar, Dazhi Liu, Carrie Y Gao, Gregory S Smith, Kenneth W Herwig, Sheng Cai, Xin Li, Bin Wu, **Structural response of polyelectrolyte dendrimer toward the molecular protonation: inconsistency revealed by SANS and NMR**, *Journal of Physics: Condensed Matter* (accepted)
- [4] Xin Li, Bin Wu, Yun Liu, Roger Pynn, Chwen-Yang Shew, Gregory S Smith, Kenneth W Herwig, Jack L Robertson, Wei-Ren Chen and Li Liu, **Contrast variation in spin-echo small angle neutron scattering**, *Journal of Physics: Condensed Matter* (accepted)
- [5] Yigang Yang, Yuanjing Li, Haidong Wang, Tiezhu Li, Bin Wu, **Explosives detection using photoneutrons produced by X-rays**, *Nuclear Instruments and Methods in Physics Research A, Volume 579, Issue 1, 21 August 2007, Pages 400-403*

Oral Presentations

- **"Structural Characteristics of Polyelectrolyte Dendrimer Solutions Revealed by Neutron Scattering and Atomistic Simulation"**, *Workshop on Modeling and Simulation of Soft Matter Using Neutron Data (Modsim, Oak Ridge National Laboratory, 2011)*
- **"Thermo-dynamics properties of uranium dioxide calculated using MD simulations"**, *ANS annual winter meeting (Las Vegas 2010)*