Biographical Sketch

Professor Tao Xu
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Professional Preparation
Bachelor Degree, East China University of Science and Technology, Shanghai, China 1995
Ph.D. Department of Chemistry, The University of Alabama, Tuscaloosa, AL, USA 2003
Post-doc Department of Chemistry, Texas A&M University, USA 2003-2004
Post-doc Materials Science Division, Argonne National Laboratory, USA 2004-2006

Appointments
August 2017-Present: Professor, Department of Chemistry & Biochemistry, Northern Illinois University, DeKalb, Illinois, USA
August 2012-2017: Associate Professor, Department of Chemistry & Biochemistry, Northern Illinois University, DeKalb, Illinois, USA
August 2006-August 2012: Assistant Professor, Department of Chemistry & Biochemistry, Northern Illinois University, DeKalb, Illinois, USA

Research Field
Design, synthesis, characterization, applications and simulation of advanced materials, nanoscale structures and assembles for energy and environmental science and technologies including solar energy conversion, electrical energy storage, chemical catalysis, and sensing devices etc.

Awards
1. R&D 100 Award for “Ultrafast and ultrasensitive hydrogen sensors based on self-assembly monolayer promoted 2-dimensional palladium nanoclusters”, October, 2006
2. R&D Magazine Micro/Nano 25 Award, 2006
3. NIU Outstanding Mentor Award, 2010
4. National Science Foundation CAREER Award, 2012
5. Honored International Chair Professorship, Taipei University of Technology 2015

Publications on Peer-Reviewed Journals (highlighted numbers are papers published since I joined in NIU in August 2006, H-index=36)


Invited Colloquium Talks and Conference Oral Presentations


36. “Cold thoughts on perovskite fever”, Invited colloquium talk at Department of Chemistry, Middle Tennessee State University, Murfreesboro, TN, USA, Feb. 21, 2019.

35. “Cold thoughts on perovskite fever”, Invited colloquium talk at Department of Physics and Astronomy, Valparaiso University, Valparaiso, Indiana, IN, USA, Sept. 21, 2018.


33. “Cold Thoughts on Perovskite Fever” Invited colloquium talk at Department of Chemistry, University of South Dakota, Vermillion, SD, USA, Oct. 30, 2017.


**Invited Poster Presentations**
