

Additional information

- Young Scientist Award, 44th Conference on the Physics and Chemistry of Surfaces and Interfaces, USA
- Exchange visitor, Department of Chemical Engineering, University of Florida, USA
- Member of New England Catalysis Society, USA
- Member of Deutsche Physikalische Gesellschaft, Germany
- User of Max-lab synchrotron radiation facility, Sweden
- User of National synchrotron radiation research center, Taiwan
- Languages: English (fluent), German (basic), Taiwanese (native) and Mandarin (native)

List of Publications

1. Epitaxial NiPd_x(111) Alloy Substrates with Continuously Tunable Lattice Constants for 2D Materials Growth, G. Hutchings, J.-H. Jhang, C. Zhou, D. Hynek, U. Schwarz, E. Altman, *ACS Applied Materials and Interfaces* **2017**, Submitted for Initial Review.
2. CO and D₂O Chemistry on Continuous and Discontinuous Samaria Thin Films on Pt(111), J.-H. Jhang, S. Keil, A. Schaefer, V. Zielasek, M. Bäumer, *Surface Science* **2016**, *650*, 221 – 229. (Special issue, the surface science of heterogeneous catalysis: In honor of Robert J. Madix)
3. Methanol Adsorption and Reaction on Samaria Thin Films on Pt(111), J.-H. Jhang, A. Schaefer, V. Zielasek, J.F. Weaver, M. Bäumer, *Materials* **2015**, *8*, 6228 – 6256.
4. Controlling the Physicals and Chemistry of Binary and Ternary Praseodymium and Cerium Oxide Systems, G. Niu, M.H. Zoellner, T. Schroeder, A. Schaefer, J.-H. Jhang, V. Zielasek, M. Bäumer, H. Wilkens, J. Wollschläger, R. Olbrich, C. Lammers, M. Reichling, *Physical Chemistry Chemical Physics* **2015**.
5. Growth and Partial Reduction of Sm₂O₃(111) Thin Films on Pt(111): Evidence for the Formation of SmO(100), J.-H. Jhang, A. Schaefer, W. Cartas, S. Epuri, M. Bäumer, J.F. Weaver, *The Journal of Physical Chemistry C* **2013**, *117*, 21396 – 21406.
6. Temperature-Dependent Reduction of Epitaxial Ce_{1-x}Pr_xO_{2-δ} (x = 0 – 1) Thin Films on Si(111): A Combined Temperature-Programmed Desorption, X-ray Diffraction, X-ray Photoelectron Spectroscopy, and Raman Study, M.H. Zoellner, G. Niu, J.-H. Jhang, A. Schaefer, P. Zaumseil, M. Bäumer, T. Schroeder, *The Journal of Physical Chemistry C* **2013**, *117*, 24851 – 24857.
7. Electrodeposition of Long-Chain Alkylaryl Layers on Au Surfaces, S. Lin, C.-W. Lin, J.-H. Jhang, W.-H. Hung, *The Journal of Physical Chemistry C* **2012**, *116*, 17048 – 17054.
8. Hollow CdS Nanoparticles Formed through Electrochemical Deposition of Cd(OH)₂ on Graphite and Subsequent Treatment with H₂S, J.-H. Jhang, W.-H. Hung, *Materials Chemistry and Physics* **2011**, *129*, 512 – 516.