



# National Synchrotron Light Source

## Activity Report 2005

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### Publications

- NSLS Users
- NSLS Staff

## Chemical Science

[Zinc Oxide Nanowires Grown by Vapor-Phase Transport Using Selected Metal Catalysts: A Comparative Study](#)

Z. Zhu, T.-L. Chen, Y. Gu, J. Warren, and R.M. Osgood, Jr.

[Chain Length Dependence of the Conformational Order in Self-Assembled Dialkylammonium Monolayers on Mica Studied with Soft X-ray Absorption](#)

G. Hähner, M. Zwahlen, and W. Caseri

[A Step Closer to Understanding Immobilized Organo- and Bio-Molecular Complexes on Solid Surfaces](#)

S.-J. Xiao, S. Brunner, and M. Wieland

[Preparation and Comparison of Supported Gold Nanocatalysts on Anatase, Brookite, Rutile, and P25 Polymorphs of TiO<sub>2</sub> for Catalytic Oxidation of CO](#)

W. Yan, B. Chen, S.M. Mahurin, V. Schwartz, D.R. Mullins, A.R. Lupini, S.J. Pennycook, S. Dai, and S.H. Overbury

[Physical Properties and 20 K Synchrotron X-ray Charge Density of a Magnetic Metal Organic Framework Structure, Mn<sub>3</sub>\(C<sub>8</sub>O<sub>4</sub>H<sub>4</sub>\)<sub>3</sub>\(C<sub>5</sub>H<sub>11</sub>ON\)<sub>2</sub>](#)

R.D. Poulsen, A. Bentien, M. Chevalier, and B.B. Iversen

[Structure Sensitivity in Methanol Oxidation over Model Rhenium Oxide Catalysts](#)

A.S.Y. Chan, W. Chen, H. Wang, J.E. Rowe, and T.E. Madey

[Activation Energies for Oxygen Reduction on Platinum Alloys: Theory and Experiment](#)

A.B. Anderson, J. Roques, S. Mukerjee, V.S. Murthi, N.M. Markovic, and V. Stamenkovic