

2005 SRC PUBLICATIONS

85 Items Published

1. **C. R. Ast and H. Hochst**, "Final-State Band Structure-Induced Modulations of the Photoemission Linewidth in Angle-Resolved Valence Band Spectra: A Case Study on Bi(111)," *Journal of Electron Spectroscopy and Related Phenomena* **144**, 679-683 (2005).
2. **J. B. Bluett, D. Lukic, S. B. Whitfield and R. Wehlitz**, "Double Photoionization Near Threshold," *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* **241** (1-4), 114-117 (2005).
3. **R. A. Bosch**, "Instabilities Driven by Higher-Order Modes in a Radio Frequency System with a Passive Higher-Harmonic Cavity," *Physical Review Special Topics-Accelerators and Beams* **8** (8), 084401 (2005).
4. **R. A. Bosch**, "Radially Polarized Ion Channel Laser," *Particle Accelerator Conference Proceedings* (2005).
5. **R. A. Bosch, K. D. Jacobs and K. J. Kleman**, "Feedback to Suppress Phase Noise at Aladdin," *Particle Accelerator Conference Proceedings* (2005).
6. **J. C. Campuzano**, "Angle Resolved Photoemission in the High Temperature Superconductors," *Strong Interactions in Low Dimensions* (25), 63-91
7. **T. C. Chiang**, "Quantum Electronic Effects on the Properties and Growth of Thin Films and Nanostructures," *Chinese Journal of Physics* **43** (1), 154-168 (2005).
8. **S. Colonna, F. Ronci, A. Cricenti, L. Perfetti, H. Berger and M. Grioni**, "Mott Phase at the Surface of 1T-TaSe₂ Observed by Scanning Tunneling Microscopy," *Phys.Rev.Lett.* **94** (3), 036405 (2005).
9. **J. N. Crain, M. C. Gallagher, J. L. McChesney, M. Bissen and F. J. Himpsel**, "Doping of a Surface Band on Si(111)Root 3 x Root 3-Ag," *Phys. Rev. B* **72** (4), 045312 (2005).
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11. **C. G. Duan, R. F. Sabiryanov, J. J. Liu, W. N. Mei, P. A. Dowben and J. R. Hardy**, "Strain Induced Half-Metal to Semiconductor Transition in GdN," *Phys.Rev.Lett.* **94** (23), 237201 (2005).
12. **E. W. Edwards, M. P. Stoykovich, M. Muller, H. H. Solak, J. J. De Pablo and P. F. Nealey**, "Mechanism and Kinetics of Ordering in Diblock Copolymer Thin Films on Chemically Nanopatterned Substrates," *Journal of Polymer Science Part B-Polymer Physics* **43** (23), 3444-3459 (2005).
13. **C. M. Evans and G. L. Findley**, "Energy of the Quasi-Free Electron in Supercritical Argon Near the Critical Point," *Chemical Physics Letters* **410** (4-6), 242-246 (2005).

14. **C. M. Evans and G. L. Findley**, "Field Ionization of C₂H₅I in Supercritical Argon Near the Critical," *Journal of Physics B-Atomic Molecular and Optical Physics* **38** (16), L269-L275 (2005).
15. **C. M. Evans and G. L. Findley**, "Energy of the Quasifree Electron in Argon and Krypton," *Physical Review A* **72** (2), 022717 (2005).
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18. **M. E. Fleet**, "Xanes Spectroscopy of Sulfur in Earth Materials," *Canadian Mineralogist* **43**, 1811-1838 (2005).
19. **M. E. Fleet, S. L. Harmer, X. Liu and H. W. Nesbitt**, "Polarized X-Ray Absorption Spectroscopy and XPS of TiS₃: S K- and Ti L-Edge XANES and S and Ti 2p XPS," *Surf Sci* **584** (2-3), 133-145 (2005).
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27. **O. Hemmers, R. Guillemin, D. Rolles, A. Wolska, D. W. Lindle, E. P. Kanter, B. Krassig, S. H. Southworth, R. Wehlitz, P. W. Langhoff, V. McKoy and B. Zimmermann**, "Nondipole Effects in Molecular Nitrogen Valence Shell Photoionization," *Journal of Electron Spectroscopy and Related Phenomena* **144**, 155-156 (2005).

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33. **H. B. Ji, M. A. Nicholls, P. R. Norton, M. Kasrai, T. W. Capehart, T. A. Perry and Y. T. Cheng**, "Zinc-Dialkyl-Dithiophosphate Antiwear Films: Dependence on Contact Pressure and Sliding Speed," *Wear* **258** (5-6), 789-799 (2005).
34. **Junarsa, M. P. Stoykovich, P. F. Nealey, Y. S. Ma and F. Cerrina**, "Hydrogen Silsesquioxane as a High Resolution Negative-Tone Resist for Extreme Ultraviolet Lithography," *Journal of Vacuum Science & Technology B* **23** (1), 138-143 (2005).
35. **Jurgensen**, "The P(1s) and P(2p) XAFS Spectra of Elemental Phosphorus, Theory and Experiment," *Physica Scripta* (T115), 548-551 (2005).
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38. **P. S. G. Kim, Y. F. Hu, Y. M. Yiu and T. K. Sham**, "X-Ray Absorption and X-Ray Excited Optical Luminescence (XEOL) Studies of KAu(CN)₂ at the C, N and KK-Edge and the Au L-3-Edge - Comparison with Density Functional Theory (DFT) Calculation," *Journal of Electron Spectroscopy and Related Phenomena* **144**, 811-815 (2005).
39. **P. S. G. Kim, S. J. Naftel, T. K. Sham, I. Coulthard, Y. F. Hu, A. Moewes and J. W. Freeland**, "Photon-in Photon-Out Studies of Alq(3) (Tris-Aluminum-8-Hydroxyquinolate): Synchrotron Light Excited Optical Luminescence and X-Ray Emission," *Journal of Electron Spectroscopy and Related Phenomena* **144**, 901-904 (2005).

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