

## 2009 SRC PUBLICATIONS

68 Items Published

1. **Barke, F. Zheng, S. Bockenhauer, K. Sell, V. v. Oeynhausen, K. H. Meiwes-Broer, S. C. Erwin, and F. J. Himpsel**, "Coverage-dependent Faceting of Au Chains on Si(557)," *Phys. Rev. B* **79**, 155301-1–155301-9 (2009).
2. **E. Beniash, R. A. Metzler, R. S. K. Lam, and P. U. P. A. Gilbert**, "Transient Amorphous Calcium Phosphate in Forming Enamel," *J. Struct. Biol.* **166**, 133–143 (2009).
3. **G. Bian, T. Miller, and T.-C. Chiang**, "Electronic Structure and Surface-mediated Metastability of Bi Films on Si(111)-7×7 Studied by Angle-resolved Photoemission Spectroscopy," *Phys. Rev. B* **80**, 245407-1–245407-5 (2009).
4. **J. Bisognano**, "Future SRF-Linac Based Light Sources: Initiatives and Issues," *Proc. SRF2009*, 913–917 (2009).
5. **M. K. Brinkley, Y. Liu, N. J. Speer, T. Miller, and T.-C. Chiang**, "Using Electronic Coherence to Probe a Deeply Embedded Quantum Well in Bimetallic Pb/Ag Films on Si(111)," *Phys. Rev. Lett.* **103**, 246801-1–246801-4 (2009).
6. **U. Chatterjee, M. Shi, D. Ai, J. Zhao, A. Kanigel, S. Rosenkranz, H. Raffy, Z. Z. Li, K. Kadowaki, D. G. Hinks, J. Xu, J. S. Wen, G. Gu, C. T. Lin, H. Claus, M. R. Norman, M. Randeria, and J. C. Campuzano**, "Observation of a d-Wave Nodal Liquid in Highly Underdoped  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ ," *Nat. Phys.* **6**, 99–103 (2009).
7. **P. L. Cook, P. S. Johnson, X. Liu, A. Chin, and F. J. Himpsel**, "Radiation Damage in Biomimetic Dye Molecules for Solar Cells," *J. Chem. Phys.* **131**, 214702-1–214702-6 (2009).
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9. **M. Corso, F. Schiller, L. Fernandez, J. Cordon, and J. E. Ortega**, "Electronic States in Faceted Au(111) Studied with Curved Crystal Surfaces," *J. Phys. B* **21**, 353001-1–353001-15 (2009).
10. **T. Dobbins, M. Abrecht, Y. Upadhyay, and K. Moore**, "An X-ray Photoemission Electron Microscopy Study of the Formation of Ti-Al Phases in 4 Mol%  $\text{TiCl}_3$  catalyzed  $\text{NaAlH}_4$  during High Energy Ball Milling," *Nanotech.* **20**, 204014-1–204014-9 (2009).
11. **S. C. Erwin, I. Barke, and F. J. Himpsel**, "Structure and Energetics of Si(111)-(5×2)-Au," *Phys. Rev. B* **80**, 155409-1–155409-10 (2009).
12. **R. C. Hatch, D. L. Huber, and H. Höchst**, "HOMO Band Structure and Anisotropic Effective Hole Mass in Thin Crystalline Pentacene Films," *Phys. Rev. B* **80**, 081411-1–081411-4 (2009).
13. **W. Hua, L. Jing, M. Haibing, R. Tianhui, M. Kasrai, and G. M. Bancroft**, "Antiwear Properties and Tribocatalytic Action Mechanisms of Three S-containing Triazine Derivatives as Additives in Rapeseed Oil," *Tribol. Trans.* **52**, 277–283 (2009).
14. **M. Huang, C. S. Ritz, B. Novakovic, D. Yu, Y. Zhang, F. Flack, D. E. Savage, P. G. Evans, I. Knezevic, F. Liu, and M. G. Lagally**, "Mechano-electronic Superlattices in Silicon Nanoribbons," *ACS Nano.* **3**, 721–727 (2009).
15. **M. Huang, R. Wehlitz, and M. Heggen**, "Even-parity Resonances of Laser Excited Lithium," *J. Phys.: Conf. Ser.* **194**, 022012 (2009).

16. **P. Juranić, D. Lukić, and R. Wehlitz**, "Double Photoionization of Mg and the Scaling Model," *J. Phys.: Conf. Ser.* **194**, 022036 (2009).
17. **H. Kang, Y. J. Kim, P. Gopalan, and P. F. Nealey**, "Control of the Critical Dimensions and Line Edge Roughness with Pre-organized Block Copolymer Pixelated Photoresists," *J. Vac. Sci. Technol. B* **27**, 2993–2997 (2009).
18. **T. Komesu, H. K. Jeong, D. Wooton, Y. B. Losovyj, J. N. Crain, M. Bissen, F. J. Himpsel, J. Petrosky, J. Tang, W. Wang, I. N. Yakovkin, and P. A. Dowben**, "4f Hybridization and Band Dispersion in Gadolinium Thin Films and Compounds," *Phys. Status Solidi B* **246**, 975–980 (2009).
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30. **M. Neupane, P. Richard, Z.-H. Pan, Y.-M. Xu, R. Jin, D. Mandrus, X. Dai, Z. Fang, Z. Wang, and H. Ding**, "Observation of a Novel Orbital Selective Mott Transition in Ca<sub>1.8</sub>Sr<sub>0.2</sub>RuO<sub>4</sub>," *Phys. Rev. Lett.* **103**, 097001-1–097001-4 (2009).
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35. **Y. Sekiba, T. Sato, K. Nakayama, K. Terashima, P. Richard, J. H. Bowen, H. Ding, Y. Xu, L. J. Li, G. H. Cao, Z. Xu, and T. Takahashi**, "Electronic Structure of Heavily Electron-doped BaFe<sub>1.7</sub>Co<sub>0.3</sub>As<sub>2</sub> Studied by Angle-Resolved Photoemission," *N. J. Phys.* **11**, 025020-1–025020-8 (2009).
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