

List of Publications (2009)

SCI Publications based on TLS Experiments

1. S.-H. Huang, C.-H. Lin, W.-C. Wu, and S.-L. Wang, "Network Topology of a Hybrid Organic Zinc Phosphate with Bimodal Porosity and Hydrogen Adsorption", ANGEW. CHEM. INT. EDIT. **48**, 6124 (2009). (I.F.=10.879) #
2. P. C. Jhang, Y. C. Yang, Y. C. Lai, W. R. Liu, and S. L. Wang, "A Fully Integrated Nanotubular Yellow-green Phosphor from an Environmentally Friendly Eutectic Solvent", ANGEW. CHEM. INT. EDIT. **48**, 742 (2009). (I.F.=10.879) #
3. Y.-G. Lin, Y.-K. Hsu, S.-Y. Chen, Y.-K. Lin, L.-C. Chen, and K.-H. Chen, "Nanostructured Zinc Oxide Nanorods with Copper Nanoparticles as a Microreformation Catalyst", ANGEW. CHEM. INT. EDIT. **48**, 7586 (2009). (I.F.=10.879) #
4. S. Chumnarnsilpa, W. L. Lee, S. Nag, B. Kannan, M. Larsson, L. D. Burtnick, and R. C. Robinson, "The Crystal Structure of the C-terminus of Adseverin Reveals the Actin-binding Interface", P. NATL. ACAD. SCI. USA **106**, 13719 (2009). (I.F.=9.38) #
5. S. Nag, Q. Ma, H. Wang, S. Chumnarnsilpa, W. L. Lee, M. Larsson, B. Kannan, M. Hernandez-Valladares, L. D. Burtnick, and R. C. Robinson, "Ca²⁺ Binding by Domain 2 Plays a Critical Role in the Activation and Stabilization of Gelsolin", P. NATL. ACAD. SCI. USA **106**, 13713 (2009). (I.F.=9.38) #
6. M.-T. Sung, Y.-T. Lai, C.-Y. Huang, L.-Y. Chou, H.-W. Shih, W.-C. Cheng, C.-H. Wong, and C. Ma, "Crystal Structure of the Membrane-bound Bifunctional Transglycosylase PBP1b from Escherichia Coli", P. NATL. ACAD. SCI. USA **106**, 8824 (2009). (I.F.=9.38) #
7. W. H. Chang, C. H. Lee, Y. C. Chang, P. Chang, M. L. Huang, Y. J. Lee, C. H. Hsu, J. M. Hong, C. C. Tsai, J. R. Kwo, and M. Hong, "Nanometer-thick Single-crystal Hexagonal Gd₂O₃ on GaN for Advanced Complementary Metal-oxide-semiconductor Technology", ADV. MATER. **21**, 4970 (2009). (I.F.=8.191) *
8. Y.-F. Huang, C.-W. Chang, D.-M. Smilgies, U.-S. Jeng, A. R. Inigo, J. D. White, K.-C. Li, T.-S. Lim, T.-D. Li, H.-Y. Chen, S.-A. Chen, W.-C. Chen, and W.-S. Fann, "Correlating Nanomorphology with Charge-transport Anisotropy in Conjugated-polymer Thin Films", ADV. MATER. **21**, 2988 (2009). (I.F.=8.191) +
9. H. M. Chen, C. F. Hsin, P. Y. Chen, R.-S. Liu, S.-F. Hu, C.-Y. Huang, J.-F. Lee, and L.-Y. Jang, "Ferromagnetic CoPt₃ Nanowires: Strucutral Evolution from Fcc to Ordered Li₂", J. AM. CHEM. SOC. **131**, 15794 (2009). (I.F.=8.091) +
10. R. M. Ho, Y. W. Chiang, C. K. Chen, H. W. Wang, H. Hasegawa, S. Akasaka, E. L. Thomas, C. Burger, and B. S. Hsiao, "Block Copolymers with a Twist", J. AM. CHEM. SOC. **131**, 18533 (2009). (I.F.=8.091) #
11. C.-S. Lee, S.-L. Wang, and K.-H. Lii, "Cs₂K(UO)₂Si₄O₁₂: a Mixed-valence Uranium(IV, V) Silicate", J. AM. CHEM. SOC. **131**, 15116 (2009). (I.F.=8.091) #
12. Y. H. Lee, C. Z. Chang, S. L. Yau, L. J. Fan, Y. W. Yang, L.-Y. O. Yang, and K. Itaya, "Conformations of Polyaniline Molecules Adsorbed on Au(111) Probed by in Situ STM and ex Situ XPS and NEXAFS", J. AM. CHEM. SOC. **131**, 6468 (2009). (I.F.=8.091) +
13. M.-H. Lin, C.-F. Chen, H.-W. Shiu, C.-H. Chen, and S. Gwo, "Multilength-scale Chemical Patterning of Self-assembled Monolayers by Spatially Controlled Plasma Exposure: Nanometer to Centimeter Range", J. AM. CHEM. SOC. **131**, 10984 (2009). (I.F.=8.091) +
14. M.-C. Liu, H.-S. Sheu, and S. Cheng, "Anion-exchange Induced Phase Transformation of Mesostructured Silica", J. AM. CHEM. SOC. **131**, 3998 (2009). (I.F.=8.091) +
15. C. S. Tsao, M. S. Yu, C. Y. Wang, P. Y. Liao, H. L. Chen, U. S. Jeng, Y. R. Tzeng, T. Y. Chung, and H. C. Wu, "Nanostructure and Hydrogen Spillover of Bridged Metal-organic Frameworks", J. AM. CHEM. SOC. **131**, 1404 (2009). (I.F.=8.091) +
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19. Y. J. Choi, J. Okamoto, D. J. Huang, K. S. Chao, H. J. Lin, C. T. Chen, M. V. Veenendaal, T. A. Kaplan, and S. W. Cheong, "Thermally or Magnetically Induced Polarization Reversal in the Multiferroic $CoCr_2O_4$ ", PHYS. REV. LETT. **102**, 067601 (2009). (I.F.=7.18) +
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24. Y. C. Chen, D. C. Lee, C. Y. Hsiao, Y. F. Chung, H. C. Chen, J. P. Thomas, W. F. Pong, N. H. Tai, I. N. Lin, and I. M. Chiu, "The Effect of Ultra-nanocrystalline Diamond Films on the Proliferation and Differentiation of Neural Stem Cells", BIOMATERIALS **30**, 3428 (2009). (I.F.=6.646) #
25. Y.-L. Chiu, S.-C. Chen, C.-J. Su, C.-W. Hsiao, Y.-M. Chen, H.-L. Chen, and H.-W. Sung, "PH-triggered Injectible Hydrogels Prepared from Aqueous N-palmitoyl Chitosan: in Vitro Characteristics and in Vivo Biocompatibility", BIOMATERIALS **30**, 4877 (2009). (I.F.=6.646) +
26. S. F. Peng, M. J. Yang, C. J. Su, H. L. Chen, P. W. Lee, M. C. Wei, and H. W. Sung, "Effects of Incorporation of Poly(γ -glutamic Acid) in Chitosan/DNA Complex Nanoparticles on Cellular Uptake and Transfection Efficiency", BIOMATERIALS **30**, 1797 (2009). (I.F.=6.646) #
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28. S. Seshadri, T. Akiyama, R. Opassiri, B. Kuaprasert, and J. K. Cairns, "Structural and Enzymatic Characterization of $Os3BGlu6$, a Rice β -Glucosidase Hydrolyzing Hydrophobic Glycosides and (1->3)- and (1->2)-linked Disaccharides ^{$I[C]IW][O4]$ ", PLANT PHYSIOL. **151**, 47 (2009). (I.F.=6.11) #}
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