

JIN Papers

- 1) Monolayer Protected Gold Nanoparticles as a Chromatographic Stationary Phase for Open Tubular Gas Chromatography

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- 2) Submitted to Langmuir;

Title: "Electrowetting-Induced Droplet Movement In An Immiscible Medium"
Authors: Jason S. Kuo, Paolo Spicar-Mihalic, Indalesio Rodriguez, Daniel T. Chiu*

- 3) Submitted to Phys. Rev. Lett.:

Title: "Dynamic Formation of Patterns of Colloidal Particles in Microfluidic Systems
Authors: David S. W. Lim, J. Patrick Shelby, Jason S. Kuo, Daniel T. Chiu*

- 4) Submitted to Analytical Chem. :

Title: "Selective Electroless and Electrolytic Deposition of Metal for Applications in Microfluidics: Fabrication of a Microthermocouple"
Authors: Peter B. Allen, Indalesio Rodriguez, Christopher L. Kuyper, Robert M. Lorenz, Paolo Spicar-Mihalic, Jason S. Kuo, Daniel T. Chiu*

- 5) Y. Zhang, N. Kohler, and M. Zhang "High-Efficiency Intracellular Uptake of Superparamagnetic Magnetite Nanoparticles for Biomedical Applications" in "Nanoscience and Nanotechnology in Perspective", G. Liu, et al. (eds), pp 282, Frontiers of Science and Technology for the 21st Century, Tsinghua University Press (2002).

- 6) "Template-based growth of oxide nanorods by sol electrophoresis," G.Z. Cao and S.J. Limmer, Advanced Materials, scheduled for publication in 2002.

- 7) "Nanorods of Various Oxides and Hierarchically Structured Mesoporous Silica by Sol-Gel Electrophoresis," S.J. Limmer, T.L. Hubler, and G.Z. Cao, Journal of Sol-Gel Science and Technology, in press (2002).

- 8)** "Electrophoretic deposition of oxide nanorods inside pores of template from sols," S.J. Limmer and G.Z. Cao, Proceedings of the Electrochemical society (2002).
- 9)** "Nanoscale optics and applications", SPIE Proceedings 4809, Ed. G.Z. Cao, (2002).
- 10)** "Oxide Nanorods", G.Z. Cao and S.J. Limmer, in Encyclopedia of Nanomaterials, ed. H.S. Nalwa, The American Scientific Press, scheduled for publication this year.
- 11)** "Sol electrophoretic deposition of oxide nanorods", G.Z. Cao and S.J. Limmer, in Nanowire Materials, ed. Z.L. Wong, Kluwer, (2003).
- 12)** Fang-Iy Wu, D. Sahadeva Reddy, Ching-Fong Shu, Michelle S. Liu, Alex K-Y. Jen, "A Novel Oxadiazole-Containing Polyfluorene with Efficient Blue Electroluminescence" *Chem. Mater.* (accepted).