

**Chemistry and Biochemistry**  
**Peer-Reviewed Publications**  
**(with publication dates in 2006)**

Publications are listed alphabetically by department and by first author. Faculty are shown in bold face print.

**Articles in Peer-Reviewed Journals**

- Adler, M., **Hou, Y.**, Sandrock, P., Meyers, C. Y., Winters, T. A., Banz, W. J., Adler, S. (2006). Derivatives of Z-bisdehydrodoisynolic acid provide a new description of the binding-activity paradox and selective estrogen receptor modulator activity. *Endocrinology*, 147, 3952-3960.
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- Datar, A., Oitker, R., and **Zang, L.** (2006). Surface-assisted one-dimensional self-assembly of a perylene based semiconductor molecule. *Chem. Commun.*, 1649-1651.
- Dave, B.C.**, Deshpande, K., Gebert, M.S., McAuliffe, J.C. (2006) Osmoresponsive Glasses: Osmotically Triggered Volume Changes of Organosilica Sol-Gels as a Means for Controlled Release of Biomolecules. *Adv. Mater.* 18, 2009-2013.
- Deshpande, K., **Dave, B.C.**, Gebert, M.S. "Controlled Dissolution of Organosilica Sol-Gels as a Means for Water-Regulated Release/Delivery of Actives in Fabric Care Applications" (2006) *Chem. Mater.*, 18, 4055-4064
- Duanmu, C., Saha, I., Zheng, Y., **Goodson, B.M.** and Gao, Y. (2006). Dendron-functionalized superparamagnetic nanoparticles with switchable solubility in

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- Duanmu, C., Saha, I., Zheng, Y., Goodson, B. M., **Gao, Y.** (2006). Dendron-Functionalized Superparamagnetic Nanoparticles with Switchable Solubility in Organic and Aqueous Media: Matrices for Homogeneous Catalysis and Potential MRI Contrast Agents, *Chem. Mater.*, 18, 5973-5991.
- Fan, J., **Gao, Y.** (2006). Nanoparticle-Supported Catalysts and Catalytic Reactions. *J. Exp. Nanosci.* 4, 457-475. (invited contribution).
- Fletcher, K. A., Fakayode, S. O., Lowry, M., Tucker, S. A., Neal, S. L., Kimaru, I. W., **McCarroll, M. E.**, Patonay, G., Oldham, P. B., Rusin, O., Strongin, R. M., Warner, I. M. (2006). Molecular Fluorescence, Phosphorescence, and Chemiluminescence Spectrometry. *Anal. Chem.*; (Review), 78(12), 4047-4068.
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- Dyer, D.J** (2006). Photoinitiated Synthesis of Grafted Polymers. In *Advances in Polymer Science*; R. Jordan, Ed.; Springer-Verlag: Heidelberg, Vol. 197, 47-65.
- Kohli, P.**, Martin, C.R. (2006). Fabrication, Characterization and Applications of Template-Synthesized Nanotubes and Nanotube Membranes. *Handbook of Self-Organized Nanoscale Materials*; Eds. David Lockwood.
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