

## **PUBLICATIONS**

- 16.** Karakuş, E.; Üçüncü, M. Eanes C.R. and **Emrulloğlu, M.** "The utilization of pH sensitive spirocyclic rhodamine dyes for monitoring D-fructose consumption during a fermentation process" *New J.Chem.*, 2013, DOI: 10.1039/C3NJ00613A
- 15.** **Emrulloğlu, M.**; Karakuş, E. and Üçüncü, M. "A BODIPY aldoxime-based chemodosimeter for highly selective and rapid detection of hypochlorous acid", *Chem. Commun.*, 2013, DOI: 10.1039/C3CC44463E
- 14.** **Emrulloğlu, M.**; Erman Karakuş, E. and Üçüncü, M., A rhodamine based "turn-on" chemodosimeter for monitoring gold ions in synthetic samples and living cells. *Analyst*, 2013, DOI 10.1039/C3AN00024A
- 13.** Urbanova, V.; Kohring, G-H.; Klein, T.; Wang, Z.; Mert, O.; **Emrulloğlu, M.**; Buran,K.; Demir, A. S.; Etienne, M.; and Walcarius, A.1 Sol-gel Approaches for Elaboration of Polyol Dehydrogenase-Based Bioelectrodes. *Z. Phys. Chem.*, 2013, DOI 10.1524/zpch.2013.0324
- 12.** Seven, Ö.,Polat-Cakir, S., Hossain, S., **Emrulloğlu, M.**, Demir A. S. Reactions of Acyl Phosphonates with Organoaluminum Reagents: A New Method for the Synthesis of Secondary and Tertiary  $\alpha$ -hydroxy Phosphonates. *Tetrahedron*, Vol. 67, 19, 3464, 2011.
- 11.** Demir, A. S., **Emrulloğlu, M.**, Buran, K. Gold(I)/Zn(II) Catalyzed Tandem Hydroamination/Annulation Reaction of 4-yne-nitriles. *Chem. Comm.* 46, 8032, 2010.
- 10.** Burdinski, D., Pikkemaat, J., **Emrulloğlu, M.**, Constantini, F., Verboom, W., Langereis, S., Grüll, H., Huskens, J. Targeted LipoCest Contrast Agents for MRI: Alignment of Aspherical Liposomes on a Capillary Surface. *Angew. Chem., Int. Ed. Engl.*, 49, 2227, 2010.
- 9.** Demir, A. S., Aybey, A. **Emrulloğlu, M.** Cyanide Ion Promoted Addition of Acylphosphonates to Diethylcyanophosphonates: Synthesis of Phosphonocyanohydrin *O*-Phosphonates, *Synthesis*, 10, 1655, 2009.
- 8.** Demir, A. S., **Emrulloğlu, M.**, Pirkin, E., Akca, N. Acylphosphonates in Darzens Reaction for the Preparation of Highly Functionalized Epoxyphosphonates. *J. Org. Chem.*, 73, 8992, 2008.
- 7.** Demir, A. S., **Emrulloğlu, M.** Manganese(III) Acetate: A Versatile Reagent in Organic Chemistry. *Current Organic Synthesis*, 4, 321, 2007.
- 6.** Demir, A. S., **Emrulloğlu, M.**, Ardahan, G. New Approaches to Polysubstituted Pyrroles and Pyrrolinones from  $\alpha$ -cyanomethyl- $\beta$ -ketoesters. *Tetrahedron*, 63, 461, 2007.
- 5.** Demir, A. S., **Emrulloğlu, M.** Zinc Perchlorate Catalyzed One-Pot Amination-Annulation of  $\alpha$ -cyanomethyl- $\beta$ -ketoesters in Water. *Tetrahedron*, 62, 1452, 2006.
- 4.** Demir, A. S., **Emrulloğlu, M.** An Effective New Synthesis of 2-aminopyrrole-4-carboxylates. *Tetrahedron*, 61, 10482, 2005.
- 3.** Demir, A. S., Reis O., **Emrulloğlu, M.** Role of Copper Species in the Oxidative Dimerization of Arylboronic Acids: Synthesis of Symmetrical Biaryls. *J. Org. Chem*, 68, 10130, 2003.
- 2.** Demir, A. S., Reis O., **Emrulloğlu, M.** Generation of Aryl Radicals from Arylboronic Acids by Manganese(III) Acetate: Synthesis of Biaryls and Heterobiaryls. *J. Org. Chem*, 68, 578, 2003.

1. Demir, A. S., Reis O., **Emrulloğlu, M.** Manganese(III) Acetate-Mediated Oxidative Coupling of Phenylhydrazines with Furan and Thiophene: A Novel Method for Heterobiaryl Coupling. *Tetrahedron*, 58, 8055, 2002.