

## **Publications**

### A. Welch Supported-Published/Accepted

1. West, Thomas P., **Microbial production of malic acid from biofuel-related coproducts and biomass**, *Fermentation*, 3, 2, 14, 2017
2. Yan, Xiaoliang; Bao, Jiehua; Yuan, Chen; Wheeler, James; Lin, Wen-Yuan; Li, Rui Feng; Jang, Ben W.-L., **Gold on carbon and titanium oxides composites: Highly efficient and stable acetylene hydrogenation in large excess of ethylene**, *Journal of Catalysis*, 344, 1, 194-201, 2016
3. Wagoner, SM; Deaconda, M.; Cumpian, KL; Ortiz, R; Chinthala, S; Angel, LA, **The multiple conformational charge states of zinc(II) coordination by 2His-2Cys oligopeptide investigated by ion mobility-mass spectrometry, density functional theory and theoretical collision cross sections**, *Journal of Mass Spectrometry*, 51, 12, 1120-1129, 2106
4. Sun, Mengxia; Campbell, Joann; Kang, Guo Wei; Wang, Huigang; Ni, Bokuo, **Imidazolium ion tethered TsDPENs as efficient ligands for Iridium catalyzed asymmetric transfer hydrogenation of a-keto phosphonates in water**, *Journal of Organometallic Chemistry*, 810, 1, 12-14, 2016
5. Vytla, Y; Angel, LA, **Applying ion mobility-mass spectrometry techniques for explicitly identifying the products of Cu(II) reactions of 2His-2Cys motif peptides**, *Analytical Chemistry*, 88, 22, 10925-10932, 2016
6. Li, Yanan and Jang, Ben W.-L., **Selective hydrogenation of acetylene over Pd/Al<sub>2</sub>O<sub>3</sub> catalysts: Effect of non-thermal RF plasma preparation methodologies**, *Topics in Catalysis*, , , 12, 2017
7. West, Thomas P., **Fungal production of the polysaccharide pullulan from a plant hydrolysate**, *Zeitschrift für Naturforschung C. Journal of Biosciences*, 72, , , 2017
8. Angel, Laurence A.; McCabe, Jacob W.; Vangala, Rajpal, **Binding selectivity of methanobactin from *Methylosinus trichosporium* OB3b for copper(I), silver(I), zinc(II), nickel(II), cobalt(II), manganese(II), lead(II), and iron(II)**, *Analytical Chemistry*, , , Accepted, 7/13/17

### B. Welch Supported-Submitted

1. Huang, Shengying; Scherer, Karen; Ni, Bokuo, **Asymmetric sequential double Michael reactions of gamma, delta-unsaturated β-ketoesters to nitroolefins catalyzed by Ni (II)-diamine complex**, *Catalysis Communications*, , , 2107, in revision
2. Liang, Qian; Fernández, Seth R.; He, Junpeng; Ni, Bokuo, **Novel ammonium ionic liquid supported (ILS) Ni(II)-diamine complexes catalyzed asymmetric cascade Michael-Henry reaction of 1,2-dione with nitroolefin**, *Current Catalysis*, , , 2017, submitted