

个人简介:

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技术职务: 副教授 专业及学历: 化学工艺/博士

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工作及教育经历:

2007/03–至今, 天津工业大学环境与化学工程学院, 教师

2004/02–2007/02, 天津大学药物科学与技术学院, 博士研究生

2001/09–2004/02, 天津大学化工学院, 硕士研究生

1999/07–2001/08, 河北沧州东塑股份有限公司科技开发处, 技术员

1995/09–1999/07, 河北理工学院化工系, 本科生

研究方向:

1. 环境监测与分析技术
2. 化工过程开发与模拟
3. 化工产品设计与研发

代表性学术论文:

- (1) Guo Yugao, Zhao He, Han Yelin, Liu Xia, Guan Shan, Zhang Qingyin, Bian Xihui, Simultaneous spectrophotometric determination of trace copper, nickel, and cobalt ions in water samples using solid phase extraction coupled with partial least squares approaches. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2017, 173: 532-536.
- (2) Guo Yugao, Ma Shuo, Guan Shan, Zhang Yan, Pan Jie, High-Throughput Determination of Octanol-Water Partition Coefficients by Ultrasound-Assisted Liquid-Phase Microextraction, *Journal of Chromatographic Science*, 2015, 53: 1400-1406
- (3) Liu Xiaotian, Liang Shumei, Pan Jie, Guo Yugao, Luo Huiru, Zhao Qingsong, Guan Shan, High-Throughput Determination of Nicotine in Plasma by Ultrasonication Enhanced Hollow Fiber Liquid-Phase Microextraction Prior to Gas Chromatography, *Journal of Chromatographic Science*, 2014, 52: 553-558
- (4) Wang Lei, Guo Yugao, Liang Shumei, Yang Qingqing, Wei Junfu, Determination of Trace Benzene Derivatives in Aqueous Samples by Ultrasonic Enhanced Hollow Fiber Liquid-Phase Microextraction Prior to Gas Chromatography, *Journal of Chromatographic Science*, 2011, 49: 671-675
- (5) Yang Qingqing, Guo Yugao, Wang Lei, Liang Shumei, Liu Xiujun, Simultaneous Determination of Trace Benzene and Toluene in Beverage by Ultrasound-Enhanced Hollow-Fiber Liquid-Phase Microextraction Coupled with GC, *Chromatographia*, 2010, 72: 1157-1161
- (6) Pan Jie, Wan Dong, Bian Yuxia, Guo Yugao, Jin Fengmin, Wang Tuo, Gong Jinlong, Reduction of nonspecific binding for cellular imaging using quantum dots conjugated with vitamin E, *AICHE Journal*,

2014, 60: 1591-1597

- (7) Wang Jing, Guo Yugao, Yuan Ruijuan, Liu Danning, Bao James Jianmin, Efficiency Enhancement in the Capillary Electrophoretic Separation of Aromatic Acids with Organo-Silica Nanoparticles as Pseudo-Stationary Phase, *Journal of Chromatographic Science*, 2011, 49: 51-56
- (8) Cai Ying, Li Jianxin, Guo Yugao, Cui Zhenyu, Zhang Yuzhong, In-situ monitoring of asymmetric poly(ethylene-co-vinyl alcohol) membrane formation via a phase inversion process by an ultrasonic through-transmission technique, *Desalination*, 2011, 283: 25-30
- (9) Guo Yugao, Liu Danning, Wang Huaifeng, Yuan Ruijuan, Bao James Jianmin, Zone electrophoresis in an inner-cooling wide-bore electrophoresis system with UV detection, *Analytical Sciences*, 2008, 24: 1025-1030
- (10) Guo Yugao, Yu Yuzan, Liu Xiujun, Tang Enqi, Analysis of Trace Aromatic Compounds by Hollow-fiber Liquid-phase microextraction with Electric Field Enhancement of Mass-transfer, *Chemistry letters*, 2008, 37: 1320-1322
- (11) Guo Yugao, Zhang Jie, Liu Danning, Fu Huaifeng, Determination of n-octanol-water partition coefficient values using hollow fiber membrane solvent microextraction coupled with HPLC, *Analytical and Bioanalytical Chemistry*, 2006, 386: 2193-2198
- (12) Guo Yugao, Liu Danning, Wang Huaifeng, Yuan Ruijuan, Bao James Jianmin, Study on Wide-bore Electrophoresis System with Single-Tube Inner-cooling, *Chemistry letters*, 2006, 35: 1386-1387