

Qun Fang

Nationality: P. R. China

Education:

1985-1989 Department of Chemistry, Liaoning University,
B. S. (Analytical Chemistry)

1989-1992 Faculty of Science, Shenyang Pharmaceutical University,
M. S. (Pharmaceutical Analysis)

1994-1998 Faculty of Science, Shenyang Pharmaceutical University,
Ph. D. (Pharmaceutical Analysis)

Professional Experience

1998, 04-1998, 11 Visiting Scholar
Department of Chemistry, Northeastern University

1998, 11-1999, 11 Postdoctoral Research Assistant
Department of Chemistry, Hong Kong Baptist University

1999,12-2003,12 Associate Professor
Department of Chemistry, Zhejiang University, Hangzhou

2003, 12-present Professor
Department of Chemistry, Zhejiang University, Hangzhou

Research Activities

1989-1997 Applications of flow injection analysis (FIA) in pharmaceutical analysis
FIA liquid-liquid extraction system.
Microdialysis sampling-FIA system for in vivo monitoring.

1998,04-1998,11 H-channel microfluidic capillary electrophoresis system.

1998,11-1999,11 On-line cloud-point extraction FIA system
Applications of cloud-point extraction in extraction of ginsenosides from
Chinese herbal medicine

1999, 12-present Researches on microfluidic analysis:
Microfluidic sample introduction and pretreatment
Microfluidic FIA, capillary electrophoresis and droplet analysis
Spectral detection techniques for microfluidic systems
Development of integrated microfluidic analyzer
Application of microfluidic systems in bioanalytical chemistry, clinical
diagnosis, single cell analysis and proteomics.

Selected Publications

1. T. Zhang, Q. Fang, W-B. Du, J-L. Fu, *Anal. Chem.*, 2009, 81, 3693
2. Q. Fang, X-T. Shi, W-B. Du, Q-H. He, H. Shen, Z-L. Fang, *Trends in Anal. Chem.*, 2008, 27, 521
3. Q-H. He, Q. Fang, W-B. Du, Z-L. Fang, *Electrophoresis*, 2007, 28, 2912
4. H. Shen, Q. Fang, Z-L. Fang, *Lab Chip*, 2006, 6, 1387
5. W-B. Du, Q. Fang, Z-L. Fang, *Anal. Chem.*, 2006, 78, 6404
6. J-L. Fu, Q. Fang, T. Zhang, X-H. Jin, Z-L. Fang, *Anal. Chem.*, 2006, 78, 3827
7. H. Chen, Q. Fang, X-F. Yin, Z-L. Fang, *Lab Chip*, 2005, 5, 719
8. W-B. Du, Q. Fang, Q-H. He, Z-L. Fang, *Anal. Chem.*, 2005, 77, 1330
9. Z-J. Jia, Q. Fang, Z-L. Fang, *Anal. Chem.*, 2004, 76, 5597
10. Q. Fang, G-M. Xu, Z-L. Fang, *Anal. Chem.*, 2002, 74, 1223