



最新动态

郭寅龙

上海有机化学研究所

郭寅龙

地 址： 上海市枫林路354号
中国科学院上海有机化学研究所分析化学研究室
邮 编： 200032
电 话： (021) 54925300 (0)



E - mail: YLGUO@mail.sioc.ac.cn

学历和工作简历:

- 1980.9 -1984.7 南京药学院药物分析专门化, 本科, 获学士学位。
- 1987.9 -1993.6 中国药科大学药物分析研究室, 研究生, 获博士学位。
- 1993.7 -1996.7 中国药科大学分析计算中心质谱色谱室主任, 讲师。
- 1997.11- 中国科学院上海有机化学研究所分析化学研究室主任, 质谱组组长, 研究员。

兼职情况:

- 国家科技部、教育部、中科院和上海市科委共建上海质谱中心副主任,
- 上海大型仪器设施共享及专业协作网质谱专业技术服务中心主任
- 中国质谱学会理事兼有机质谱专业委员会理事
- 中国实验室认可委员会技术评审员, 技术委员会化学分会委员
- 上海科研仪器与技术协会副理事长, 兼测试技术专业组组长
- 上海分析测试协会副理事长
- 上海化学化工学会分析化学专业委员会理事
- 上海市司法鉴定专家委员会委员
- 上海市政府采购咨询专家
- 上海科技系统少数民族联谊会理事
- <<质谱学报>>编委
- <<分析测试技术与仪器>>副主编

发表论文120余篇, 2001年以来的论文情况:

1. 胡守刚、郭寅龙*等 电喷雾质谱法中K⁺加合离子受Cs⁺影响及在牛膝多糖分子量分布测定中的应用 化学学报 2001, 59(3), 421
2. 余翀天、郭寅龙*等 电喷雾离子化飞行时间质谱研究鸡蛋清溶菌酶与β环糊精的新型复合物 化学学报 2001, 59(4), 615
3. 陆宇、卞利萍、周峰、孙萍、杨芑原、郭寅龙、余翀天 脉冲电喷雾现象的初步研究 高等学校化学学报, 2001, (4), 560-562

4. Yu Chongtian, Guo Yinlong*, et al, Calculation of Mass and abundance for Polyisotopic Ion by Low Resolution Mass Spectrometry *Chinese J. of Chemistry* **2001**,19(5),504
5. 苏越、郭寅龙* 偏小二乘法中主成分分数确定的新方法 *计算机与应用化学* 2001, 18(3), 237-240
6. 余翀天、郭寅龙*等 电喷雾质谱法研究细胞色素b5及其F35Y突变体蛋白肽链和辅基的相互作用 *化学学报* 2001, 59(6), 956-960
7. 胡守刚、郭寅龙*等 红霉素类抗生素电喷雾/飞行时间质谱源内CID研究 *质谱学报* 2001, 22(2), 10-16
8. 陈国强 郭寅龙*等 MSⁿ技术研究2-嘧啶氧基苯胺类衍生物两个新的重排裂解 *化学学报* 2001, 59(9), 1471-1475
9. 郭寅龙*、刘晗青、余翀天 液相色谱/电喷雾质谱(LC/ESI/MS)在蛋白质分析鉴定中的应用 *分析测试技术与仪器* 2001, 7(3), 129
10. Zhang Fang, Guo Yinlong*, Wei Qi, Ma Shengming* Study of 2-iodo-3-(phenylsulfinyl)-2-propen-1-ol and its analogues by self-chemical ionization mass spectrometry *Chinese J of Chemistry* **2001**,9(9),51-855
11. Yu Lu, Feng Zhou, Wenqing Shui, Liping Bian, Yinlong Guo and Pengyuan Yang* Pulsed Electrospray for Mass Spectrometry *Anal Chem* **2001**,73(19),4748-4753
12. 耿昱、郭寅龙 固相微萃取/气相色谱/质谱联用技术在农药残留物分析中的应用 *分析测试技术与仪器* 2001, 7(4), 230-5
3. 刘晗青、郭寅龙*、余翀天、杨芑原 间歇电喷雾的初步研究 *化学学报* 2002, 60(1), 171
14. 张芳、耿昱、郭寅龙* 氢化可的松中微量杂质的液质联用分析 *有机化学* 2002, 22(2), 123-126
15. Feng Zhou, Wenqing Shui, Yu Lu, Pengyuan Yang*, and Yinlong Guo* High accuracy mass measurement of peptides with internal calibration using a dual electrospray Ionization sprayer system for protein identification *Rapid Communications in Mass Spectrometry* **2002**,16,505-511
16. Geng Yu, Guo Yin-long*, et al Accurate Mass Determinations of Amino alcohol derivatives by Turbospray Ionization/Time-of-flight Mass Spectrometry *Chinese J of Chemistry* **2002**,20(3),272-6
17. 陆豪杰、余翀天、郭寅龙* 环糊精对手性药物伪麻黄碱分子识别的电喷雾飞行时间质谱研究 *化学学报* 2002, 60(5), 882-5
18. 陆豪杰、郭寅龙* 手性分子识别的质谱研究进展 *分析测试技术与仪器* 2002, 8(2), 65-71
19. 陆豪杰、郭寅龙*、欧庆瑜* 毛细管电泳对脑脊液中兴奋性氨基酸的测定 *化学学报* 2002, 60(9), 1677-1681
20. 操锋、任勇、华维一、马坤芳、郭寅龙 利用人工模拟酶环糊精催化羧酸酯水解反应的研究进展 *有机化学* 2002, 22(11), 827-834
21. 余翀天、郭寅龙* 高灵敏度纳喷雾正交飞行时间质谱法 *化学学报* 2002, 60(11), 2029
22. 王昊阳、郭寅龙*等 有机质谱学方法研究气相S_N2离子-分子反应进展 *有机化学* 2002, 22(12), 974-980
23. YU Chong-Tian, GUO Yin-Long*, et al Study on the gas phase stability of heme-binding pocket in cytochrome Tb5 and its mutants by electrospray mass spectrometry *Chinese J of Chemistry* **2002**,20(12),1540-1545
24. Ping He, Haojie Lu, Yinlong Guo* INVESTIGATING THE NON-COVALENT COMPLEXES OF DICLOGENAC SODIUM AND CYCLODEXTRINS BY ELECTROSPRAY IONIZATION/TIME-OF-FLIGHT MASS SPECTROMETRY *Analytical Letters* **2003**,36(2),493-510
25. Hao-Jie Lu, Yin-Long Guo* Chiral recognition of borneol by associating with zinc(II) and L-tryptophan in gas phase *Anal Chim Acta* **2003**,482(1),1-7
26. 刘晗青、郭寅龙* 傅立叶变换质谱法在蛋白质分析中的应用 *质谱学报* 2003, 24(2), 363-9
27. Lu Hao-jie, Guo Yin-long*, Ou Qing-yu* Rapid determination of 5-fluorouracil in plasma using capillary

28. Hao-Jie Lu, Yin-Long Guo* Evaluation of Chiral Recognition Characteristic of Metal and Proton Complexes of di-*o*-Benzoyl-tartaric Acid Dibutyl Ester and L-tryptophan in Gas Phase
Journal of the American Society for Mass Spectrometry 2003,14(6),571-580
29. He, Ping; Guo, Yin-Long*; Chen, Guo-Qiang; Xu, Dai-Wang; Ma, Sheng-Ming*
Exact Mass Measurements for α -Allenic Alcohol by Atmospheric Pressure Chemical Ionization/Time-of-Flight Mass Spectrometry
Chinese Journal of Chemistry 2003,21(8),1080
30. 陈国强、郭寅龙* 小分子化合物在离子阱质谱中的分子离子反应研究
有机化学 2003, 23(9), 977-983
31. 陆豪杰、张芳、郭寅龙* Liranaftate的傅立叶变换离子回旋共振质谱研究
质谱学报 2003, 24(3), 403-7
32. Hao-Jie Lu, Yin-Long Guo* Methanol Controllable Chromophoric Supramolecular Switch Investigated by Electrospray Mass Spectrometry
Anal Chim Acta 2003, 495(1), 1-10
33. 王昊阳、郭寅龙*等 顶空-气相色谱法进展 *分析测试技术与仪器* 2003, 9(3), 129-135
35. 王昊阳、郭寅龙*等 自动化静态顶空-气相色谱-质谱对天然香精中挥发性成分的研究
分析测试学报 2004, (1), 9-13
36. Li Zhang, Yin-Long Guo*, Han-Qing Liu A Novel Class of Chemically Modified Iodo-containing Resins: Design, Synthesis and Application to Mass Spectrometry-based Proteome Analysis *Journal of mass spectrometry* 2004,39(4),447-457
37. 程志红、陈国强、王昊阳、郭寅龙* 延胡索中季胺生物碱的高分辨基质辅助激光解吸电离质谱研究 *中国天然药物研究* 2004, 2(2), 99-102
38. Chong-Tian Yu, Yin-Long Guo*, Guo-Qiang Chen, Yu-Wu Zhong Chiral Recognition of zinc(II) ion complexes composed of bicyclo[3.3.0] octane-2,6-diol and *s*-Naproxen probed by collisional-induced dissociation
Journal of the American Society for Mass Spectrometry 2004,15(6),795-802
39. 王昊阳、郭寅龙*等 静态顶空与顶空-SPME-气质谱联用法在烟用香料分析中的比较
分析测试学报 2004, (3), 115-7
40. WANG Hao-yang and GUO Yin-long* Simple and rapid Analysis for Studies of the volatile flavor compounds in the rhizomas of two species *Rhodiolas* by Headspace Gas Chromatography -tandem Mass Spectrometry *Anal. Lett.* 2004,37(10),2151-2161
41. 苏越、陈国强、郭寅龙*、相秉仁、安登魁 MALDI/FTMS质量校准新方法
化学学报 2004, 62(16), 1551-1556
42. Ping He, Yin-Long Guo*, Shi-Zheng Zhu* Study on the Reactions of Pyridine with Fluorine-containing Compounds in the Gas Phase by Electron Impact /Fourier Transfer Ion Cyclotron Resonance Mass Spectrometry
J. Fluorine Chem. 2004,125(10),1537-1541
43. Haojie Lu, Yinlong Guo*, Pengyuan Yang
Using Amino Acids for Probing Structural Information of Cytochrome c by Electrospray Ionization Mass Spectrometry
Journal of the American Society for Mass Spectrometry 2004,15(11), 1612-1615
44. Hanqing Liu, Yinlong Guo*, Haojie Lu, Guoqiang Chen Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometric Study of Sodium Azide Cluster Ions *Chinese Journal of Chemistry* 2004,22(10),1164-1169
45. 任士芳、王昊阳、郭寅龙* 环糊精对托品烷手性识别的电喷雾傅立叶变换离子回旋共振质谱研究 *化学学报* 2004, 62(19), 1959-1962
46. CHEN Guoqiang, GUO Yinlong*, ZHANG Jiyong
Analysis of Volatile components of Fresh *Perilla Frutescens* by Headspace/GC/MSⁿ
J. Essent. Oil Res. 2004,16,435-436
47. 廖远熹、王昊阳、郭寅龙*等 复方祛风湿止痛药粉末中挥发性成分的静态顶空-气相色谱-质谱分析 *分析测试技术与仪器* 2004, 10(3), 145-150
48. Hao-Yang Wang, Yin-Long Guo* and Long Lu*
Studies of Rearrangement reactions of Protonated and Lithium Cationized 2-Pyrimidinyl-oxy-*N*-arylbenzylamine Derivatives

- Journal of the American Society for Mass Spectrometry* **2004**,15(12),1820-1832
49. Shi-fang Ren, Yin-long Guo* Oxidized Carbon Nanotubes as Matrix For MALDI-TOF MS Analysis of Bimolecular
Rapid Communications in Mass Spectrometry **2005**,19(2),255–260
50. Zhi-hong Cheng, Yue-bo Wang and Yin-long Guo* On-probe ion migration as oncentration of charged samples in
matrix-assisted laser desorption/ ionization mass spectrometry
Rapid Communications in Mass Spectrometry **2005**, 19(3),424–428 (SCI)44
51. Shi-fang Ren, Li Zhang, Zhi-hong Cheng and Yin-long Guo*
Immobilized Carbon Nanotubes as Matrix for MALDI-TOF-MS Analysis: Applications to Neutral Small Oligosaccharides
Journal of the American Society for Mass Spectrometry **2005**, 16(3), 333–339 (SCI)45
52. Jing Zhang, Hao-Yang Wang, Yin-Long Guo*
Amino acids analysis by MALDI mass spectrometry using carbon nanotubes as matrix
Chinese Journal of Chemistry **2005**,23(2),185-189
53. 王昊阳、郭寅龙*等 顶空-固相微萃取-毛细管气相色谱-质谱联用方法对香精中挥发性
化学成分快速分析 *分析化学* **2005**,33(2),245-247
54. Shihao Sun, Zhihong Cheng, Jianping Xie*, Jianxun Zhang, Yuanxi Liao, Haoyang Wang and Yinlong Guo*
Identification of volatile basic components in tobacco by headspace liquid-phase microextraction coupled to matrix-assisted
laser desorption/ionization with Fourier transform mass spectrometry
Rapid Commun. Mass Spectrom. **2005**,19(8),1025-1030 (SCI)48
55. Hao-Yang Wang, Yuan-Xi Liao, Yin-Long Guo*, Qin-Hong Tang, Long Lu*
Interesting Acid Catalyzed O-N Type Smiles Rearrangement Reactions of 2-Pyrimidinyloxy- N-Arylbenzylamine
Derivatives *SYNLETT* **2005**, (8),1239–1242
56. Hao-Yang Wang, Xiang Zhang, Yin-Long Guo*, Xi-Cheng Dong, Qing-Hong Tang and Long Lu*
Sulfonamide bond cleavage in benzenesulfonamides and rearrangement of the resulting p-aminophenylsulfonyl cations:
application to a 2-pyrimidinyloxybenzylaminobenzenesulfonamide herbicide
Rapid Commun. Mass Spectrom. **2005**,19,1696–1702
56. Li Zhang, Feng Zhang, Su-Yan Zhang, Yin-Long Guo* and Chun-He Xu*
Acetonitrile-induced unfolding of the photosystem II manganese-stabilizing protein studied by electrospray mass
spectrometry
Rapid Commun. Mass Spectrom. **2005**,19(15),2151-2156
57. Zhang Suyan, Geng Yu, Guo Yinlong*, Wang Hao, Lu Long
The Identification of Synthesized Novel Pesticides and Impurities by the Combination of LC-MS with GC-MS Analysis
Chinese Journal of Chemistry **2005**,23(7),870-874
58. Yuebo Wang, Yinlong Guo*, Xinghua Xia*
Porous anodic alumina membrane as a Sample Support for MALDI-TOF MS Analysis of Salt-Containing Proteins
Journal of the American Society for Mass Spectrometry **2005**, 16(9),1488–1492
59. Hao-Yang Wang, Xiang Zhang, Yin-Long Guo*, Long Lu*
Mass Spectrometric studies of the Gas Phase Retro-*Michael* type Fragmentation Reactions of 2-hydroxybenzyl-*N*-
pyrimidinylamine Derivatives
Journal of the American Society for Mass Spectrometry **2005**, 16(9),1561–1573
60. Rong Qian, Hao Guo, Yuanxi Liao, Yinlong Guo,* and Shengming Ma*
Probing the Mechanism of Palladium-Catalyzed Addition of Organoboronic Acids to Allenes in the Presence of AcOH with
ESI-FTMS
Angew. Chem. Int. Ed. **2005**, 44(30), 4771-4774
61. Jing Zhang, Yin-Long Guo* A novel modification reagent for proteins: monitoring by matrix-assisted laser
desorption/ionization time-of-flight mass spectrometry
Rapid Commun. Mass Spectrom. **2005**,19(17),2461–2464
62. SU Yue, WANG Hao-Yang, GUO Yin-Long*, XIANG Bing-Ren, AN Deng-Kui
Effect of damping mechanisms on mass calibration equation for MALDI/FTMS
Chin J Chem **2005**,23(8),1053-1059
63. Xiang Zhang, Yuanxi Liao, Rong Qian, Haoyang Wang and Yinlong Guo*
Investigation of Radical Cation in Electrophilic Fluorination by ESI-MS

64.Hao Guo, Rong Qian, Yuanxi Liao, Shengming Ma,* and Yinlong Guo*

ESI-MS Studies on the Mechanism of Pd(0)-Catalyzed Three-Component Tandem Double Addition-Cyclization Reaction

J AM CHEM SOC **2005**, 127(37), 13060-13064

65.廖远熹, 王昊阳, 郭寅龙*,邵应男

中药柴胡挥发性成分的静态顶空-气相色谱-质谱分析 *质谱学报* **2005**,26(3),187-192

66.王昊阳、郭寅龙*等 静态顶空-毛细管气相色谱法同时测定氢化可的松中七种微量的有机挥发性杂质 *药物分析杂志* **2005**,25(7),846-848

67.Zhi-hong Cheng,Yin-long Guo*,Hao-yang Wang and Guo-qiang Chen

Qualitative and quantitative analysis of quaternary ammonium alkaloids from Rhizoma Corydalis by matrix- assisted laser desorption/ionization fourier transform mass spectrometry coupled with a selective precipitation reaction using Reinecke salt

Anal Chim Acta in press

68. Hao-Yang Wang, Qing Hong Tang, Xiang Zhang, Yin-Long Guo*, Long Lu*

Using Tandem Mass Spectrometry to Predict Chemical Transformations of 2-Pyrimidinyloxy-*N*-arylbenzyl amine derivatives in Solution

Journal of the American Society for Mass Spectrometry in press