

《质谱学报》2017 年(第 38 卷)总目次

第 1 期

- 敞开式离子化质谱技术在中草药研究中的应用 黄 鑫,刘文龙,张 勇,刘淑莹(1)
- 液相色谱-串联质谱法分析贝母中异甾体生物碱成分 杨成苓,张宏祺,陈崇宇,李茂荣(11)
- UPLC-Q-TOF MS 定性定量分析淫羊藿中淫羊藿苷类似物 杨宗林,赵 静(19)
- 基于 HPLC-MS/MS 法研究马兜铃酸 I 和马兜铃酸 II 的大鼠肝微粒体酶 S9 体外代谢 周 慧,付 佳,蔡宗苇(30)
- 中药白芷中欧前胡素、异欧前胡素体外经皮渗透特性的串联质谱研究 张 琳,皮子凤,孙云霞,刘志强,宋凤瑞,胡秀丽,韩红祥(37)
- 高效液相色谱-四极杆-静电场轨道阱高分辨质谱分析桑葚中黄酮类和多酚类物质 马 悦,赵乐凤,吕子燕,孙 乐,吴 巍,刘淑莹(45)
- UPLC Orbitrap HRMS 法分析西洋参蒸参弃液浓缩物中皂苷类成分 张 勇,黄 鑫,李帅坪,刘淑莹(52)
- 黄泥煨制人参中皂苷成分的 RRLC-Q-TOF MS 分析 戴雨霖,庞 博,阎 琪,乔梦丹,郑 飞,越 皓,刘淑莹(60)
- 候选药物 T-VA 的质谱裂解规律及其在大鼠体内的代谢产物研究 张晨泽,闫萌萌,徐 冰,林宏英,闫文强,刘 帅,陈 静,刘永刚,王鹏龙,雷海民(67)
- UPLC-Q-TOF MS^E 技术结合 UNIFI 数据库筛查方法快速分析巴戟天化学成分 王美玲,张清清,付 爽,刘月红,梁钊镭,陈 娜,丁永胜,王海丽,瞿晓梅,赵保胜,高晓燕(75)
- N-烷基酰胺类化合物电喷雾质谱裂解机制的研究 董 洁,冀娇娇,王加利,袁 将,高 简,张亚丽,姬瑞芳,全庆华,谭 鹏,刘永刚(83)
- 基于 LTQ-Orbitrap 高分辨质谱的骆驼蓬子中生物碱类成分鉴定及裂解途径分析 高 简,张亚丽,苗祥贞,张 潇,袁 将,王加利,郑春梅,刘永刚,谭 鹏(89)
- 基于 UPLC-Q-TOF MS 技术的三七中皂苷类成分质谱裂解规律研究 赵 静,秦振娟,彭 冰,刘永刚,刘 勇(97)
- 基于 nano LC-LTQ/Orbitrap MS 分析山羊角中蛋白质多肽类物质 刘 睿,朱振华,钱大玮,段金殿(109)
- HPLC-ESI-LTQ-Orbitrap 分析芪归银方中黄酮成分体内代谢过程 于小杰,岳贵娟,薛 梦,张 娇,刘明玉,梁莉靖,刘 瀚,马 群(116)
- UHPLC-Q-TOF MS 和化学计量学方法分析川芎硫磺熏蒸前后化学成分的变化 蔡 皓,乔凤仙,裴 科,段 煜,范恺磊,刘 晓,徐洋洋,汪小琦(127)
- 藏药印度獐牙菜化学成分的 UPLC-ESI-Q-TOF MS 分析 何丹丹,范君婷,尤蓉蓉,陈雪晴,李振麟,鞠建明,曾白林(138)
- 杜仲化学成分的 LC-Triple TOF MS/MS 分析 严 颖,赵 慧,邹立思,刘训红,柴 川,王胜男,华愉教(146)
- 基于 UPLC-Triple TOF MS/MS 技术分析苍耳子炒制前后的差异化学成分 刘娟秀,罗益远,刘训红,宋建平,华愉教,王胜男,赵 慧,严 颖(157)

第 2 期

- 大气压化学电离质谱分析苯二苯硫醚异构体 王陈璐,莫雅雯,曹小吉,莫卫民(169)
- 高效液相色谱-电感耦合等离子体质谱法分析经牛黄解毒片暴露后大鼠血清中砷形态 陈绍占,刘丽萍,杜宏举,金鹏飞,周天慧(177)
- 超声辅助胶内酶切方法的优化及其酶切特点的分析 肖晓萍,郭正光,成 洁,孙 伟(187)
- II 型糖尿病患者与健康男性血清中 19 种微量元素含量对比 熊 婵,蒋学慧,田亚平,马庆伟,郭广宏(195)
- 基于 HPLC-ESI-MSⁿ 的杂多酸化学转化原人参三醇型皂苷 Re₂₀(S)-Rf 研究 高 月,修 洋,赵幻希,刘淑莹(203)
- MALDI-TOF MS 磷脂组学快速分析三文鱼肌肉组织 沈 清,冯俊丽,金仁耀,薛 静,郑振霄,戴志远(211)
- 超临界流体色谱-四极杆飞行时间质谱快速分析牛奶与羊奶中的甘油三酯组分 涂安琪,杜振霞(217)
- 凝胶电泳分离-液相色谱-质谱法分析林蛙油及其伪品中的特异性蛋白 林 燕,徐 蕾,李重九,马晓东(227)

高效液相色谱-串联质谱法测定烟草中马来酰肼残留量	陈晓水,朱书秀,蒋佳磊,汤晓东,苏燕,林昱,陆明华(234)
高效液相色谱-串联质谱法快速测定食品中5种罂粟壳生物碱	林黛琴,王婷婷,万承波,邱萍(239)
板蓝根化学成分及抗氧化活性的研究	闫峻,赵春芳,李伯平,刘志强,郭冬发,郑重(248)
ICP-MS法测定添食金属纳米颗粒后家蚕组织中的金属含量	袁本高,张东阳,李龙,武国华(256)

第3期

PCB分压离子阱性能优化的理论模拟研究	何洋,姚如娇,肖育,袁广洲,张在越,丁传凡,李晓旭(265)
基于FPLC-LC-MS/MS分析嗜盐古菌 <i>Haloarcu la hispanica</i> 胞内类泛素化底物	吴一飞,韦露莎,陈辉(272)
基于UPLC-Q-TOF MS的吴茱萸致肝毒性部位及入血成分分析	李文兰,孙向明,陈晨,刘悦,宋辉,丁晶鑫,徐蓓蕾,阎新佳(282)
离子阀技术在垂直引入式飞行时间质谱仪中的应用	闫书雄,朱辉,莫婷,高伟,黄正旭(294)
含二硫键的蛋白质/多肽的MALDI-TOF MS源内裂解研究	姚文斌,汪亿晗,苏蕊,连文慧,杨洪梅,陈长宝,刘淑莹(302)
基体酸化分离-电感耦合等离子体质谱法测定高纯硒中Al、Fe、Sn、Te、Sb、Ti、Ga、Pb、Ge	王金磊,钱军民,李波,罗琳,孙宝莲,胥伟军,崔宁(308)
基于磁质谱原理的新型同位素质量分离器的数值研究	王振宇,江滨浩,王金炜,赵海龙,贾柏森(313)
复方板蓝根颗粒APCI-MS指纹图谱及化学成分的LC-APCI-MS ⁿ 研究	闫峻,刘舒,李伯平,刘志强,郭冬发(320)
不同加工玄参药材中多元功效成分的含量测定及灰色关联度分析	王胜男,华愉教,邹立思,罗益远,刘训红,刘娟秀,严颖,徐力(328)
漂浮固化分散液液微萃取-UHPLC-MS/MS法测定水产品中丁香酚的残留量	孙鹏,高玉玲,王金梅,刘秀娟(342)
高温气冷堆及其乏燃料中核素的质谱分析技术	高立本,董玉杰(349)

第4期

质谱技术推动药物分析研究创新发展	再帕尔·阿不力孜(361)
毛细管电泳-质谱联用技术及其在药物和生物分析中的应用	周韦,刘易昆,陈子林(362)
液相色谱-质谱联用技术在药物代谢产物鉴定中的应用	李亮,陈笑艳,钟大放(375)
液相色谱-串联质谱生物分析方法的基质效应和对策	刘晓云,陈笑艳,钟大放(388)
质谱法在药物立体异构体区分中的应用及发展	汪亚丽,王鹭,曾苏,康玉(400)
高效液相色谱-高分辨质谱法研究药物代谢产物的数据处理策略	张丹,王彩虹,金滢,王喆,张金兰(410)
基于高分辨质谱技术的整体动物体内药物成像分析新方法研究	罗志刚,贺玖明,李铁钢,周帆,黄罗娇,张瑞萍,马双刚,庾石山,再帕尔·阿不力孜(417)
细胞膜色谱在线HPLC-IT-TOF MS联用系统筛选分析射干中次野鸢尾黄素的抗EGFR活性作用	吕艳妮,付佳,孔利云,韩省力,张涛,贺浪冲(425)
LC/MS用于匹多莫德有关物质结构鉴定	周瑞琪,刘洁,刘辉,杭太俊(433)
HPLC-IT-TOF MS快速区分达格列净中间体及其位置异构体	黄钰,马格,尹欣驰,张健,潘远江(443)
基于超高效液相色谱-质谱联用技术的人参皂苷体外I相代谢研究	冯桂芳,刘舒,皮子凤,宋凤瑞,刘志强(450)
LC-MS/MS法测定比格犬血浆中氯吡格雷活性代谢物	赵雪,孙慧,张琪,任天明,顾景凯(460)
烟气暴露对大鼠代谢轮廓谱的影响	应旭辉,苏加坤,谢媛媛,王义明,罗娟敏,罗国安,郭磊,蔡继宝(468)
去氢骆驼蓬碱在秀丽隐杆线虫体内代谢研究	袁将,姬瑞芳,全庆华,王加利,郭晓宇,张伽妹,谭鹏,韩静,刘永刚(478)
CRIP1生物学功能的定量蛋白质组学分析	杨超,霍伟,邓海腾(486)
Hela细胞增殖抑制模型结合离心超滤质谱筛选中药抗癌药物	魏忠宝,马蕾,刘舒,刘志强,石毅,曲晓波(494)

加速溶剂萃取法结合 HPLC-ESI-TOF MS 测定清肝散结汤中 29 种化学成分(英文)	王 慧,李云青,李 洋,钱 跣,柴逸峰,张国庆,吕 磊,赵 亮(503)
---	--------------------------------------

第 5 期

单次扫描检测大表面痕量赖氨酸和黑索今的质谱分析方法	李 毅,朱腾高,王国凤,陈焕文(515)
电感耦合等离子体离子源气体温度特性数值模拟分析	岳东宁,赵 军,马燕云,徐 江,栗永阳,汪 伟,袁祥龙,李志明(521)
头孢噻吩及去喹喃甲酰基头孢噻吩的四极杆轨道阱串联质谱分析及其在肉鸡体内的残留规律研究	洪云鹤,刘 艳,崔风云,许秀丽,方恩华,张经华,张 峰,张宝善(526)
应用 ⁴¹ Ca-AMS 技术开展肥城桃钙示踪研究	杨宪林,赵庆章,李 玲,王 雷,庞义俊,王小明,窦 亮,张 慧,杨旭冉,武绍勇,高东升,孙科鹏,周 君,何 明,董克君,沈洪涛,姜 山(534)
超高效液相色谱-串联 Orbitrap 质谱(Q-Exactive)对湿热质人群代谢表型的分析	陈 朴,于燕波,沈起兵,张淑静,陈 斌(541)
碰撞诱导解离和高能碰撞解离方式在褐藻胶寡糖结构分析中的比较和应用	宋 妮,张秀丽,王 聪,吕志华,任素梅(551)
WGA1000 软件系统设计及定量分析方法优化研究	高 伟,乔 佳,吴曼曼,岑延相,蔡伟光,汪建凯,黄正旭(559)
热电离质谱(TIMS)测定 Ca 同位素时 Sr 干扰影响的实验评价	张晨蕾,祝红丽,刘峪菲,刘 芳,张兆峰(567)
电子级氮气中超痕量杂质的质谱分析及测量不确定度评估	张体强,胡树国,吴 海,韩 桥(574)
气相色谱-负化学源质谱法测定电子电气产品聚合物材料中的卤代磷酸酯阻燃剂	幸苑娜,叶淋泉,冯岸红,叶雨萌,王 欣,陈泽勇(584)
基于 LabVIEW 面向对象的 TOF-SIMS 仪器控制软件	郑 瀛,范润龙,张玉海,邱春玲,刘敦一,田 地(591)
电感耦合等离子体质谱分析方法的重要进展(2005~2016 年)	郭冬发,李金英,李伯平,谢胜凯,谭 靖,张彦辉,刘瑞萍(599)

第 6 期

跨平台的质谱蛋白回归定量和质量控制的参数方法	魏 来,刘万霖,丁 琛,秦 钧(611)
MSTFA 及其含氟衍生物的特征质谱重排反应	王 毅,张 苹,吴生秀,何 敏,孙媛媛,赵 彤(620)
UPLC-Q TOF MS ^E 与镜像对比分析四种麻黄炮制过程的成分变化	李晗芸,苏 丹,邵爱贤,吴蜀瑶,刘匡一,彭 秘,宋永贵(630)
甲胎蛋白纯品的同位素稀释质谱法测定	刘 钰,宋德伟,张方彦,李红梅,徐 蓓,戴新华,孙慧颖,陈宝荣(640)
同位素稀释-电感耦合等离子体质谱法测定沉积物中铬和汞	吴 婧,巢静波,彭 杨,王 军,杨晓进(647)
QuEChERS-GPC-GC/MS 同时测定鱼肉中 9 种羟基类兽药残留	薛良辰,蔡勤仁,郑 璇,刘 陆,凌芸辉,李 忠,彭玉芬,陈 敬,蔡德琳,蔡 杰,黄 晶(655)
质谱准确测定高丰度 ¹⁵ N ₂ 的计算方法	杨 帆,孙晓丽,王 曦,曹亚澄,张金波,蔡祖聪(664)
影像测量法辅助电喷雾萃取电离源喷头的研制	董晓峰,朱腾高,周 鹏,顾海巍,周书民,陈焕文(671)
基于 UPLC-Triple TOF MS/MS 技术分析不同产地何首乌的差异化学成分	罗益远,刘娟秀,刘训红,王胜男,华愉教,兰才武,邢清清(678)
UPLC-MS/MS 法同时测定地表水中 6 种双酚类化合物残留	张 明,唐访良,徐建芬,张 伟,俞雅云,陈 瑛,何 羽(690)

CONTENTS

No. 1

Application of Ambient Ionization Mass Spectrometry in Chinese Herbal Medicine Research	HUANG Xin, LIU Wen-long, ZHANG Yong, LIU Shu-ying(1)
---	--

Determination of Isosteroidal Alkaloids in <i>Fritillaria</i> spp. by LC-MS/MS	YANG Cheng-ling, CHANG Hung-chi, CHEN Chung-yu, LEE Maw-rong(11)
Qualitative and Quantitative Analysis of Icariin Analogues in <i>Epimedium koreanum</i> by UPLC-Q-TOF MS	YANG Zong-lin, ZHAO Jing(19)
Research of Aristolochic Acid I, Aristolochic Acid II and Their Metabolites in Rat Liver Microsomes Using HPLC-MS/MS	ZHOU Hui, FU Jia, CAI Zong-wei(30)
In Vitro Percutaneous Permeability of Imperatorin and Isoimperatorin in <i>Radix Angelicae Dahuricae</i> by Tandem Mass Spectrometry	ZHANG Lin, PI Zi-feng, SUN Yun-xia, LIU Zhi-qiang, SONG Feng-rui, HU Xiu-li, HAN Hong-xiang(37)
Analysis of Flavonoids and Polyphenols in Mulberry Extracts by High-Performance Liquid Chromatography Quadrupole-Orbitrap Mass Spectrometry ...	MA Yue, ZHAO Le-feng, LV Zi-yan, SUN Le, WU Wei, LIU Shu-ying(45)
Analysis of Ginsenosides in Steamed <i>Panax quinquefolium</i> L. Liquid Waste Concentrates by UPLC Orbitrap HRMS	ZHANG Yong, HUANG Xin, LI Shuai-ping, LIU Shu-ying(52)
Study on Ginsenosides in Mud-Covered Processed-Ginseng by RRLC-Q-TOF MS/MS	DAI Yu-lin, PANG Bo, YAN Qi, QIAO Meng-dan, ZHENG Fei, YUE Hao, LIU Shu-ying(60)
Mass Fragmentation Pathway of a Candidate Drug T-VA and Its Metabolites in Rats	ZHANG Chen-ze, YAN Meng-meng, XU Bing, LIN Hong-ying, YAN Wen-qiang, LIU Shuai, CHEN Jing, LIU Yong-gang, WANG Peng-long, LEI Hai-min(67)
Characterization of <i>Morinda officinalis</i> How. by UPLC-Q-TOF MS ^E Coupled with UNIFI Database Filter	WANG Mei-ling, ZHANG Qing-qing, FU Shuang, LIU Yue-hong, LIANG Chuan-lei, CHEN Na, DING Yong-sheng, WANG Hai-li, QU Xiao-mei, ZHAO Bao-sheng, GAO Xiao-yan(75)
Fragmentation Pathways and Patterns of N-Alkylamides by ESI-MS ⁿ	DONG Jie, JI Jiao-jiao, WANG Jia-li, YUAN Jiang, GAO Jian, ZHANG Ya-li, JI Rui-fang, QUAN Qing-hua, TAN Peng, LIU Yong-gang(83)
Identification of Alkaloids in Seeds of <i>Peganum harmala</i> Linn. and Analysis of Their Fragmentation Pathways by LTQ-Orbitrap MS	GAO Jian, ZHANG Ya-li, MIAO Xiang-zhen, ZHANG Xiao, YUAN Jiang, WANG Jia-li, ZHENG Chun-mei, LIU Yong-gang, TAN Peng(89)
Fragmentation Pathway of Ginsenosides in <i>Panax notoginseng</i> Using Electrospray Ionization-Quadrupole/Time-of-Flight Mass Spectrometer	ZHAO Jing, QIN Zhen-xian, PENG Bing, LIU Yong-gang, LIU Yong(97)
Analysis and Identification of Proteins and Peptides from Goat Horn (<i>Caprae Hircus Cornu</i>) Using nano LC-LTQ/Orbitrap MS	LIU Rui, ZHU Zhen-hua, QIAN Da-wei, DUAN Jin-ao(109)
Metabolic Processes of Flavonoids in Qi-gui-yinggranule(QGY) Based on HPLC-ESI-LTQ-Orbitrap	YU Xiao-jie, YUE Gui-juan, XUE Meng, ZHANG Jiao, LIU Ming-yu, LIANG Li-jing, LIU Tian, MA Qun(116)
Investigation on Differences of Chemical Constituents between Sun-Dried and Sulfur-Fumigated <i>Chuanxiong Rhizoma</i> Based on UHPLC-Q-TOF MS and Chemometric Analysis	CAI Hao, QIAO Feng-xian, PEI Ke, DUAN Yu, FAN Kai-lei, LIU Xiao, XU Yang-yang, WANG Xiao-qi(127)
Identification of Chemical Constituents in <i>Swertia chirayita</i> by UPLC-ESI-Q-TOF MS	HE Dan-dan, FAN Jun-ting, YOU Rong-rong, CHEN Xue-qing, LI Zhen-lin, JU Jian-ming, ZENG Bai-lin(138)
Chemical Constituents of <i>Eucommiae Cortex</i> by LC-Triple TOF MS/MS	YAN Ying, ZHAO Hui, ZOU Li-si, LIU Xun-hong, CHAI Chuan, WANG Sheng-nan, HUA Yu-jiao(146)
Differences of Chemical Compositions in <i>Xanthii Fructus</i> before and after Stir-Frying by UPLC-Triple TOF MS/MS	LIU Juan-xiu, LUO Yi-yuan, LIU Xun-hong, SONG Jian-ping, HUA Yu-jiao, WANG Sheng-nan, ZHAO Hui, YAN Ying(157)

No. 2

Analysis and Differentiation of <i>bis</i> (phenylthio) Benzene Isomers by Atmospheric Pressure Chemical Ionization-Mass Spectrometry	WANG Chen-lu, MO Ya-wen, CAO Xiao-ji, MO Wei-min(169)
Arsenic Species in Rat Serum after Oral Administration of Niu Huang Jiedu Tablet by HPLC-ICP-MS	CHEN Shao-zhan, LIU Li-ping, DU Hong-ju, JIN Peng-fei, ZHOU Tian-hui(177)

Optimization of Ultrasound-Assisted In-Gel Digestion Method and Analysis of Peptide Characteristics	
..... XIAO Xiao-ping, GUO Zheng-guang, CHENG Jie, SUN Wei(187)	
Concentrations of 19 Trace Elements in Type II Diabetes Compared with Healthy Male Controls	
..... XIONG Chan, JIANG Xue-hui, TIAN Ya-ping, MA Qing-wei, GUO Guang-hong(195)	
Chemical Transformation of Protopanaxatriol-Type Ginsenosides Re and 20(S)-Rf by Heteropoly Acid Based on HPLC-ESI-MS ⁿ Analysis	
..... GAO Yue, XIU Yang, ZHAO Huan-xi, LIU Shu-ying(203)	
Phospholipidomics Profiling of Salmon Muscle by MALDI-TOF MS	
..... SHEN Qing, FENG Jun-li, JIN Ren-yao, XUE Jing, ZHENG Zhen-xiao, DAI Zhi-yuan(211)	
Rapid Determination of Triacylglycerols in Cow Milk and Goat Milk Using Supercritical Fluid Chromatography-Quadruple Time-of-Flight Mass Spectrometry	
..... TU An-qi, DU Zhen-xia(217)	
Analysis of Specific Proteins in <i>Oviductus Ranae</i> and its Adulterants by Gel Electrophoresis Coupled LC/MS	
..... LIN Yan, XU Lei, LI Chong-jiu, MA Xiao-dong(227)	
Determination of Maleic Hydrazide Residue in Tobacco by HPLC-MS/MS	
..... CHEN Xiao-shui, ZHU Shu-xiu, JIANG Jia-lei, TANG Xiao-dong, SU Yan, LIN Ken, LU Ming-hua(234)	
Rapid Determination of Five Opium Poppy Husk Alkaloids in Foods by HPLC-MS/MS	
..... LIN Dai-qin, WANG Ting-ting, WAN Cheng-bo, QIU Ping(239)	
Chemical Constituents and Antioxidant Activity of Radix Isatidis	
..... YAN Jun, ZHAO Chun-fang, LI Bo-ping, LIU Zhi-qiang, GUO Dong-fa, ZHENG Zhong(248)	
Determination of Metal Contents in the Tissues of Silkworm after Fed with Nanoparticles Using Inductively Coupled Plasma-Mass Spectrometry	
..... YUAN Ben-gao, ZHANG Dong-yang, LI Long, WU Guo-hua(256)	

No. 3

Theoretical Research on Performance Optimization of PCB Voltage-Divided Ion Trap Mass Analyzer	
..... HE Yang, YAO Ru-jiao, XIAO Yu, YUAN Guang-zhou, ZHANG Zai-yue, DING Chuan-fan, LI Xiao-xu(265)	
Conjugation and Substrate Research of Tagged Ubiquitin-Like Protein <i>in vivo</i> of <i>Haloarcula hispanica</i> based on FPLC-LC-MS/MS	
..... WU Yi-fei, WEI Lu-sha, CHEN Hui(272)	
Analysis of <i>Euodia rutaecarpa</i> Hepatotoxic Part and Absorbed Components in Rat Serum Based on UPLC-Q-TOF MS	
..... LI Wen-lan, SUN Xiang-ming, CHEN Chen, LIU Yue, SONG Hui, DING Jing-xin, XU Bei-lei, YAN Xin-jia(282)	
Application of Ion Valve Technology in an Orthogonal-Injection TOF Mass Spectrometer	
..... YAN Shu-xiong, ZHU Hui, MO Ting, GAO Wei, HUANG Zheng-xu(294)	
In-Source Decay of Disulfide Bond-Containing Proteins/Peptides by MALDI-TOF MS	
..... YAO Wen-bin, WANG Yi-han, SU Rui, LIAN Wen-hui, YANG Hong-mei, CHEN Chang-bao, LIU Shu-ying(302)	
Acidification-Separation of Matrix and Determination of Impurities in High Purity Selenium by ICP-MS	
..... WANG Jin-lei, QIAN Jun-min, LI Bo, LUO Lin, SUN Bao-lian, XU Wei-jun, CUI Ning(308)	
Numerical Researches on a Novel Isotope Separator Basing on Principle of Magnetic Mass Spectrometry	
..... WANG Zhen-yu, JIANG Bin-hao, WANG Jin-wei, ZHAO Hai-long, JIA Bai-sen(313)	
Fingerprint Chromatograms and Chemical Components of <i>Compound Indigowoad Root Granule</i> by APCI-MS and LC-APCI-MS ⁿ	
..... YAN Jun, LIU Shu, LI Bo-ping, LIU Zhi-qiang, GUO Dong-fa(320)	
Determination of Multiple Active Constituents of Scrophulariae Radix with Different Processed Products and Grey Relational Analysis	
..... WANG Sheng-nan, HUA Yu-jiao, ZOU Li-si, LUO Yi-yuan, LIU Xun-hong, LIU Juan-xiu, YAN Ying, XU Li(328)	
Determination of Eugenol Residue in Aquatic Using Dispersive Liquid-Liquid Microextraction Based on the Solidification of a Floating Organic Droplet Followed by UHPLC-MS/MS	
..... SUN Peng, GAO Yu-ling, WANG Jin-mei, LIU Xiu-juan(342)	
Research Progress of Inorganic Mass Spectrometry Applied to Analysis of Nuclear Elements from High-Temperature Gas-Cooled Reactor and Its Spent Fuel	
..... GAO Li-ben, DONG Yu-jie(349)	

No. 4

- Mass Spectrometry Boosting the Innovation and Development in Pharmaceutical Analysis ABLIZ Zeper(361)
- Recent Advances in Capillary Electrophoresis-Mass Spectrometry and Its Application in Pharmaceutical and Biological Analysis ZHOU Wei, LIU Yi-kun, CHEN Zi-lin(362)
- Applications of Liquid Chromatography-Mass Spectrometry in Drug Metabolite Identification LI Liang, CHEN Xiao-yan, ZHONG Da-fang(375)
- Matrix Effects and Countermeasure of Liquid Chromatography-Tandem Mass Spectrometry in Bioanalysis LIU Xiao-yun, CHEN Xiao-yan, ZHONG Da-fang(388)
- Application and Development of Mass Spectrometry in Drug Stereoisomer Separation WANG Ya-li, WANG Lu, ZENG Su, KANG Yu(400)
- Identification of Drug Metabolites Using Data Post-Processing Strategies Based on High Performance Chromatography Coupled with High Resolution Mass Spectrometer ZHANG Dan, WANG Cai-hong, JIN Ying, WANG Zhe, ZHANG Jin-lan(410)
- Development of a Novel Imaging Method for Whole-Body Animal Biopharmaceutical Analysis Using High Resolution Mass Spectrometry Technique LUO Zhi-gang, HE Jiu-ming, LI Tie-gang, ZHOU Zhi, HUANG Luo-jiao, ZHANG Rui-ping, MA Shuang-gang, YU Shi-shan, ABLIZ Zeper(417)
- EGFR Antagonism of the Irisfloreantin from *Rhizoma Belamcandae* Using CMC-Online-HPLC-IT-TOF MS System LV Yan-ni, FU Jia, KONG Li-yun, HAN Sheng-li, ZHANG Tao, HE Lang-chong(425)
- Identification of the Related Substances of Pidotimod by LC/MS ZHOU Rui-qi, LIU Jie, LIU Hui, HANG Tai-jun(433)
- Rapid Identification of Dapagliflozin Intermediate and Its Isomer by HPLC-IT-TOF MS HUANG Yu, MA Ge, YIN Xin-chi, ZHANG Jian, PAN Yuan-jiang(443)
- Study on the I Phase Metabolism of Ginsenoside *in vitro* by Ultra Performance Liquid Chromatography Coupled with Mass Spectrometry FENG Gui-fang, LIU Shu, PI Zi-feng, SONG Feng-rui, LIU Zhi-qiang(450)
- Determination of Clopidogrel Active Metabolite in Beagle Dog Plasma by LC-MS/MS ZHAO Xue, SUN Hui, ZHANG Qi, REN Tian-ming, GU Jing-kai(460)
- Influence of Cigarette Smoke Exposure on Metabolic Profiling in Rats YING Xu-hui, SU Jia-kun, XIE Yuan-yuan, WANG Yi-ming, LUO Juan-min, LUO Guo-an, GUO Lei, CAI Ji-bao(468)
- Metabolism Research of Harmine *in vivo* of *Caenorhabditis elegans* YUAN Jiang, JI Rui-fang, QUAN Qing-hua, WANG Jia-li, GUO Xiao-yu, ZHANG Jia-mei, TAN Peng, HAN Jing, LIU Yong-gang(478)
- Quantitative Proteomics Analysis on Biological Function of CRIP1 YANG Chao, HUO Yi, DENG Hai-teng(486)
- In vitro* Screening of Anti-Cancer Agents from Traditional Chinese Medicine Using the Hela Cell Proliferation Inhibition Model Coupled with Centrifugal Ultrafiltration Mass Spectrometry WEI Zhong-bao, MA Lei, LIU Shu, LIU Zhi-qiang, SHI Yi, QU Xiao-bo(494)
- Determination of 29 Chemical Constituents in the QingGanSanJie Decoction by Accelerated Solvent Extraction and HPLC-ESI-TOF MS WANG Hui, LI Yun-qing, LI Yang, QIAN Xian, CHAI Yi-feng, ZHANG Guo-qing, LV Lei, ZHAO Liang(503)

No. 5

- Mass Spectrometric Detection of Lysine and Royal Demolition Explosive on Large Surfaces LI Yi, ZHU Teng-gao, WANG Guo-feng, CHEN Huan-wen(515)
- Numerical Analysis of Gas Temperature in Inductively Coupled Plasma Ion Source YUE Dong-ning, ZHAO Jun, MA Yan-yun, XU Jiang, SU Yong-yang, WANG Wei, YUAN Xiang-long, LI Zhi-ming(521)
- Determination of Ceftiofur & Desfuroyl Ceftiofur Residue and the Elimination Analysis in Chicken Using Liquid Chromatography Quadrupole-Orbitrap Hybrid Mass Spectrometry HONG Yun-he, LIU Yan, CUI Feng-yun, XU Xiu-li, FANG En-hua, ZHANG Jing-hua, ZHANG Feng, ZHANG Bao-shan(526)
- Calcium Tracer Study of Feicheng Peach by ^{41}Ca -AMS YANG Xian-lin, ZHAO Qing-zhang, LI Ling,

WANG Lei, PANG Yi-jun, WANG Xiao-ming, DOU Liang, ZHANG Hui, YANG Xu-ran, WU Shao-yong, GAO Dong-sheng, SUN Ke-peng, ZHOU Jun, HE Ming, DONG Ke-jun, SHEN Hong-tao, JIANG Shan(534)	
Metabolic Profiling of Damp and Hot Constitution Using Ultra High Performance Liquid Chromatography Coupled with Orbitrap Mass Spectrometry	
..... CHEN Pu, YU Yan-bo, SHEN Qi-bing, ZHANG Shu-jing, CHEN Bin(541)	
Comparison and Application of Collision Induced Dissociation and High Energy Collision Induced Dissociation for Alginate Oligosaccharides Analysis	
..... SONG Ni, ZHANG Xiu-li, WANG Cong, LV Zhi-hua, REN Su-mei(551)	
Design and Optimization of Quantitative Analysis Method for WGA1000 Software System	
GAO Wei, QIAO Jia, WU Man-man, CEN Yan-xiang, CAI Wei-guang, WANG Jian-kai, HUANG Zheng-xu(559)	
Experimental Assessing about Sr Interference Effect on Ca Isotope Measurements on Thermal Ionization Mass Spectrometry.....	ZHANG Chen-lei, ZHU Hong-li, LIU Yu-fei, LIU Fang, ZHANG Zhao-feng(567)
Determination of Ultra-Trace Impurities in Electronic Grade Nitrogen by Mass Spectrometry with Evaluation of Measurement Uncertainty	ZHANG Ti-qiang, HU Shu-guo, WU Hai, HAN Qiao(574)
Determination of Halogenated Phosphate Ester Flame Retardants in Polymer Material of Electrical and Electronic Products by GC-NCI-MS	
..... XING Yuan-na, YE Lin-quan, FENG An-hong, YE Yu-meng, WANG Xin, CHEN Ze-yong(584)	
Control Software for TOF-SIMS Based on LabVIEW Object Oriented Programming	
..... ZHENG Ying, FAN Run-long, ZHANG Yu-hai, QIU Chun-ling, LIU Dun-yi, TIAN Di(591)	
Major Advances in Inductively Coupled Plasma Mass Spectrometry (2005—2016)	
GUO Dong-fa, LI Jin-ying, LI Bo-ping, XIE Sheng-kai, TAN Jing, ZHANG Yan-hui, LIU Rui-ping(599)	

No. 6

Parametric Approach for Regression Quantification and Quality Control of Proteins from Multiple Mass Spectrometry Platforms	WEI Lai, LIU Wan-lin, DING Chen, QIN Jun(611)
Analysis of MSTFA and Its Fluorine Derivatives Using Mass Spectrometry	
..... WANG Yi, ZHANG Ping, WU Sheng-xiu, HE Min, SUN Yuan-yuan, ZHAO Tong(620)	
Chemical Constituent Changes in Four Processing Procedures of Herbal Ephedra Based on UPLC-Q TOF MS ^E and Mirror Image Contrast Analysis	
..... LI Han-yun, SU Dan, BU Ai-xian, WU Shu-yao, LIU Kuang-yi, PENG Mi, SONG Yong-gui(630)	
Measurement of Alpha-Fetoprotein by Isotope Dilution Mass Spectrometry	LIU Yu, SONG De-wei, ZHANG Fang-yan, LI Hong-mei, XU Bei, DAI Xin-hua, SUN Hui-ying, CHEN Bao-rong(640)
Determination of Chromium and Mercury in Sediments by Isotope Dilution-Inductively Coupled Plasma Mass Spectrometry	WU Jing, CHAO Jing-bo, PENG Yang, WANG Jun, YANG Xiao-jin(647)
Determination of 9 Hydroxy Veterinary Drug Residues in Fish by QuEChERS-GPC-GC/MS	
..... XUE Liang-chen, CAI Qin-ren, ZHENG Xuan, LIU Lu, LING Yun-hui, LI Zhong, PENG Yu-fen, CHEN Jing, CAI De-lin, CAI Jie, HUANG Jing(655)	
Calculation Method for Accurate Determination of High Abundance ¹⁵ N ₂ by Mass Spectrometry	
..... YANG Fan, SUN Xiao-li, WANG Xi, CAO Ya-cheng, ZHANG Jin-bo, CAI Zu-cong(664)	
Development of a High-Performance Imaging-Aided Extractive Electrospray Ionization Sprayer	
..... DONG Xiao-feng, ZHU Teng-gao, ZHOU Peng, GU Hai-wei, ZHOU Shu-min, CHEN Huan-wen(671)	
Difference of Chemical Compositions in <i>Polygoni Multiflori Radix</i> from Different Habitats by UPLC-Triple TOF MS/MS	LUO Yi-yuan, LIU Juan-xiu, LIU Xun-hong, WANG Sheng-nan, HUA Yu-jiao, LAN Cai-wu, XING Qing-qing(678)
Simultaneous Determination of Six Bisphenol Residues in Surface Water by UPLC-MS/MS	
ZHANG Ming, TANG Fang-liang, XU Jian-fen, ZHANG Wei, YU Ya-yun, CHEN Ying, HE Yu(690)	

致 谢

在编委和审稿专家的大力支持和关心下,《质谱学报》在 2017 年稳步发展,出版发行工作顺利完成。编委和审稿专家在百忙之中承担了繁重的组稿和审稿工作,为保证本刊学术质量做出重要贡献。在此,《质谱学报》编辑部向各位专家表示衷心的感谢!专家名单如下(按姓氏汉语拼音排序):

白 玉	包成玉	蔡 春	蔡勤仁	曹 岗	曹 慧	曹亚澄	曹志芸
曾立民	陈池来	陈焕文	陈建伟	陈建新	陈 文	陈笑艳	程 平
程雪梅	戴新华	丁传凡	丁 兰	丁立生	丁明玉	丁有钱	杜振霞
方恩华	费晓庆	高 昊	郭冬发	郭明全	郭新东	郭寅龙	国新华
杭 纬	贺朝会	贺玖明	侯宏卫	黄荣彬	黄荣清	江 游	姜 勇
金红宇	金向群	孔德义	李翠萍	李海洋	李和平	李金英	李 明
李鹏飞	李 萍	李世珍	李 伟	李玉武	李智立	练鸿振	梁乾德
刘鄂湖	刘广山	刘虎生	刘虎威	刘丽萍	刘芄岩	刘训红	刘淑莹
刘永刚	刘志强	刘忠英	陆豪杰	陆兔林	逯 海	栾天罡	罗元明
马安德	倪士峰	潘灿平	潘 洋	彭 涛	钱小红	乔善义	沈金灿
盛六四	石 磊	史 权	史亚利	宋凤瑞	宋国新	索德成	屠鹏飞
万翠红	汪福意	汪 午	王 凡	王昊阳	王 军	王树荣	王卫国
王 勇	吴 巍	吴银良	武国华	熊少祥	徐 伟	杨芄原	杨运云
叶 勇	于 勇	越 皓	再帕尔·阿不力孜	张 芳	张 峰	张金兰	
张瑞萍	张 炅	张小坡	张兆峰	赵 珊	赵先恩	赵永刚	钟大放
钟其顶	周 涛	周 振					

注:统计时间:2016. 11. 01—2017. 10. 31