

北大中文核心期刊
中国科技核心期刊
中国农林核心期刊

CN 11-5956/TS
ISSN 2095-0381
CODEN: BAZJAC

食品安全质量检测学报

食品安全质量检测学报

JOURNAL OF FOOD SAFETY & QUALITY

本期专题：

- 食品安全风险评估与风险监测 ▪

第十二卷

第九期

(3431-3866)

110111年五月

2021年5月
半月刊
第12卷 第9期



EBSCO收录

英国《食品科学技术文摘》(FSTA)收录

俄罗斯《文摘杂志》(AJ)收录

英国国际农业与生物科学研究中心(CABI)全文收录

《中国学术期刊网络出版总库》(CNKI)全文收录

"万方数据 数字化期刊群"全文收录

ISSN 2095-0381



食品安全质量检测学报

2021 年 5 月 第 12 卷 第 9 期 半月刊

目 次

本期专题：食品安全风险评估与风险监测

- 镰孢菌毒素的主要类型及其收获前后的生物防控方法 李欢, 梁晓艳, 张君, 等 3431-3440
基于核酸适配体的侧流层析技术同步检测赭曲霉毒素 A 和黄曲霉毒素 B₁
..... 王宇龙, 王荷, 赵志磊, 等 3441-3448
降解呕吐毒素微生物的筛选鉴定及其应用 王明清, 龚魁杰, 于丽娜, 等 3449-3454
日光温室黄瓜中吡虫啉的残留及消解动态研究 郭静远, 张乐, 王猛强, 等 3455-3459
高效液相色谱-串联质谱法测定豆芽中的甲硝唑和羟基甲硝唑 潘项捷, 陆文琪, 王璐璐, 等 3460-3464
超高效液相色谱-串联质谱法同时检测贝类中 13 种麻痹性贝类毒素
..... 何明珠, 袁冠湘, 秦逍云, 等 3465-3475
柠檬酸杆菌属基质辅助激光解析电离飞行时间质谱图谱库的扩展及效果评价
..... 王恒伟, 孔凡旭, 郝民, 等 3476-3483
荞麦中铝的残留量的调查分析 刘越, 杜旭刚, 李尔春, 等 3484-3489
Top-down 技术控制图法评估电感耦合等离子体质谱法测定大米中镉含量的不确定度
..... 翁川南, 杨方方, 刘常凯, 等 3490-3496
QuEChERS-高效液相色谱-柱后光化学衍生法测定粮谷类食品中黄曲霉毒素
..... 姚誉阳, 顾妍丽, 吴宇杭, 等 3497-3502
秦皇岛市一起由副溶血性弧菌引起的食源性疾病暴发事件的检测和溯源分析
..... 时晨, 于良, 王悦, 等 3503-3507
固相萃取-气相色谱串联质谱法测定梅州地区客家娘酒中的氨基甲酸乙酯及其食用风险评估
..... 董文静, 何啸峰, 沈洁, 等 3508-3513
超高效液相色谱-串联质谱法测定凉茶中对乙酰氨基酚的不确定度评定
..... 周芳梅, 陈茹, 罗小宝, 等 3514-3521
2017—2019 年辽宁省市售食品中食源性致病菌监测结果分析 王伟杰, 孙婷婷, 李雪, 等 3522-3528
黔东南州禽蛋中 24 种兽药残留的风险评估 孙思, 杨梅, 刘小惠, 等 3529-3535
电感耦合等离子体质谱法测定不粘锅在 5 种食品模拟液中 15 种金属元素的迁移
..... 张振洋, 徐森彪, 程文雅 3536-3541

食品化学与营养

- 食源性沙门菌流行趋势及耐药性研究进展 翁蕊, 辜依海, 张微 3542-3549
皇帝柑的综合利用研究进展 蔡昕彤, 钟婧威, 温淑仪, 等 3550-3556
代餐粉特性及加工生产的研究进展 费永涛, 郑文雄, 陈燕清, 等 3557-3564
运动疲劳机制及食源性抗疲劳活性成分研究进展 赵静 3565-3571
抗疲劳运动饮料研制及其活性研究进展 李景华 3572-3577
特殊医学配方食品在改善控制妊娠期糖尿病中的应用 符颖, 张彩虹, 蒙莉萍, 等 3578-3584
人参皂苷活性对冠心病作用的研究进展 尤京超, 田宏彦 3585-3591
乳酸菌改善糖尿病代谢作用机制研究进展 周彤, 潘道勇, 滕兆林 3592-3597
过热蒸汽处理对麸皮酚类物质及抗氧化活性的影响 叶国栋, 汪丽萍, 沈汪洋 3598-3605
香榧果糕的制作工艺研究 赖华清, 段灿灿, 王欢欢, 等 3606-3612
响应面法优化三相分离法提取河蚬汁多糖的工艺研究 王春, 杨红玲, 闫景坤 3613-3620
富硒青钱柳-黄精复方茶饮对小鼠的免疫调节作用 陈丹, 罗丹, 白曦晨, 等 3621-3626
微波消解-电感耦合等离子体质谱法同时测定山楂汁饮料中 20 种无机元素
..... 王继双, 董亚蕾, 吴迪, 等 3627-3634

高效液相色谱-串联质谱法测定水果中 42 种农药残留 胡 翠, 唐婧苗, 谢柏艳 3635-3641

食品分析与检测

高效液相色谱-串联质谱法测定食品中呋虫胺及 2 种代谢物残留量

..... 池连学, 冷 蕾, 张禧庆, 等 3642-3651

液相色谱-串联质谱法测定动物肌肉和牛奶中的雌二醇 杨 奕, 杨蕴嘉, 尹 杰, 等 3652-3657

基于钙钛矿纳米材料的碱性黄荧光比色法检测食品中的碱性黄 施丽霞, 许春华, 范 莹, 等 3658-3664

固相萃取-液相色谱-串联质谱法同时检测动物源性食品中的可乐定和赛庚啶

..... 郝旭峰, 张海超, 艾连峰, 等 3665-3673

比较 3 种不同前处理方法结合高分辨质谱测定姜中农药残留的效果

..... 韩 梅, 郭灵安, 焦 颖, 等 3674-3683

高效液相色谱-四极杆串联飞行时间高分辨质谱法筛查和确证猪肉中 117 种兽药残留

..... 王 聪, 赵晓宇, 董 喆, 等 3684-3693

高效液相色谱法测定草果中 4 种酚酸含量 任洪涛, 谭年文, 周恒苍, 等 3694-3699

QuEChERS-气相色谱-串联质谱法测定蔬菜水果中 48 种农药及其代谢物残留量

..... 杨玉平, 谢柏艳 3700-3708

高效液相色谱-串联质谱法测定黄喉中五氯酚酸钠的含量 曾议霆, 廖俊林, 杨春梅, 等 3709-3714

实时荧光 PCR 法检测肉制品中猪源性成分 巫 坚, 黄晓韵, 王海华, 等 3715-3720

涡旋振荡提取-高效液相色谱-紫外检测法测定铁叶酸片中的叶酸含量

..... 涂宏建, 陆 伟, 贾福怀, 等 3721-3726

免疫亲和柱净化-高效液相色谱-三重四极杆质谱法测定双壳类水产中软骨藻酸

..... 岳亚军, 朱 波, 叶小莉, 等 3727-3732

评价平板法定量检测单增李斯特氏菌 赵 玲, 李军庆, 张 娟, 等 3733-3738

实时逆转录环介导等温扩增法快速检测 GI 型诺如病毒 李 辉, 李雪梅, 刘 沙, 等 3739-3743

电感耦合等离子体-质谱法测定黑果腺肋花楸果中有机硒含量 于 丽, 胡 姝, 杜姗姗, 等 3744-3747

衍生化-富集-表面增强拉曼光谱法快速筛查奶粉中亚硝酸盐 陈 泳, 薛 平, 胡陈珊, 等 3748-3754

基于缓解果蔬类易逝性能的柿子包装设计研究 金玉洁, 杨 传, 袁雄文, 等 3755-3763

液相色谱-串联质谱法测定猪肝中喹乙醇残留标示物 3-甲基喹噁啉-2-羧酸

..... 张嘉慧, 沈祥广, 刘 戎, 等 3764-3770

通过式固相萃取柱结合 QuEChERS 前处理技术-液相色谱串联质谱法快速测定熟肉食品中 4 种 β_2 -受体激动剂残留

..... 王莉莉, 张 楠, 刘 平, 等 3771-3776

电感耦合等离子体发射光谱法测定食品中钠关键影响因素探究 高喜凤, 刘艳明, 张喜琦, 等 3777-3783

黄油中镍含量快速检测方法的研究 程仕群, 余之蕴, 占文慧, 等 3784-3787

催化动力学法检测白酒中乙醇的含量 白 静, 朱 冰, 徐海云 3788-3793

白酒中氰化物能力验证方法比较 赵 丽, 李 洁, 冉亚莉, 等 3794-3798

QuEChERS-高效液相色谱-串联质谱法测定粮谷中啶磺草胺的残留 王东斌, 汪春明 3799-3806

高效液相色谱法测定速溶滇红茶制品中茶黄素含量 刘雪娜, 吴雪娇, 刘顺航, 等 3807-3812

食品安全监管

分型方法在单核细胞增多性李斯特菌监测溯源中的应用研究进展 杜冬冬, 钱 晶, 王 静, 等 3813-3819

食品中农药残留限量标准对执法活动的影响 张 伟, 范婷婷, 李依轩, 等 3820-3823

食品微生物检验及实验室质量控制 范 蕊, 阿依努尔•阿娜比亚, 曹雪琴, 等 3824-3829

国内外淀粉含量的检测标准现状及检测方法研究进展 李 兵, 肖香兰, 杨永红, 等 3830-3839

食品微生物风险及国内外安全控制策略分析 范 蕊, 卢 彬, 王文文 3840-3843

葡萄酒中溶菌酶测定方法的研究 徐 丽, 宋才湖, 谭文琦, 等 3844-3848

2019 年重庆市水果类监督抽检情况分析 谭明天, 查 苗, 黄思瑜, 等 3849-3853

基于全基因组序列的污染事件中椰毒假单胞菌酵米面亚种溯源分析

..... 陈荣桥, 陈汉金, 洗燕萍, 等 3854-3859

2016—2018 年某市疾控中心实验室管理体系不符合项分析 赖晋锋, 宋天银, 苏 勤, 等 3860-3864

投稿须知 3865-3866

Journal of Food Safety and Quality

May, 2021 Vol. 12 No. 9 Semimonthly

Contents

Special Topic: Food Safety Risk Assessment and Risk Monitoring

Main types of <i>Fusarium</i> toxins and their biocontrol control methods from preharvest to postharvest	LI Huan, et al 3431-3440
Synchronous detection of ochratoxin A and aflatoxin B ₁ by lateral flow chromatography based on nucleic acid aptamers	WANG Yu-Long, et al 3441-3448
Screening, identification and application of microorganism for degrading deoxynivalenol	WANG Ming-Qing, et al 3449-3454
Residue and dynamics of imidacloprid in solar greenhouse cucumber	GUO Jing-Yuan, et al 3455-3459
Determination of metronidazole and hydroxymetronidazole in bean sprouts by high performance liquid chromatography-tandem mass spectrometry	PAN Xiang-Jie, et al 3460-3464
Simultaneous detection of 13 kinds of paralytic shellfish poisoning toxins in bivalve by ultra performance liquid chromatography-tandem mass spectrometry	HE Ming-Zhu, et al 3465-3475
Expansion and effect evaluation of matrix-assisted laser desorption ionization-time of flight mass spectrometry database of <i>Citrobacter</i> spp.	WANG Heng-Wei, et al 3476-3483
Investigation and analysis of aluminum residues in buckwheat	LIU Yue, et al 3484-3489
Evaluation of uncertainty in determination of cadmium in rice by inductively coupled plasma mass spectrometry using top-down control chart	ZAN Chuang-Nan, et al 3490-3496
Determination of aflatoxin in cereal food by QuEChERS-high performance liquid chromatography with post-column photochemical derivatization	YAO Yu-Yang, et al 3497-3502
Detection and traceability analysis of a foodborne disease outbreak caused by <i>Vibrio parahaemolyticus</i> in Qinhuangdao city	SHI Chen, et al 3503-3507
Determination of ethyl carbamate in Hakka wine in Meizhou region by solid phase extraction-gas chromatography tandem mass spectrometry and its edible risk assessment	DONG Wen-Jing, et al 3508-3513
Uncertainty evaluation for determination of paracetamol in herbal tea by ultra performance liquid chromatography-tandem mass spectrometry	ZHOU Fang-Mei, et al 3514-3521
Analysis on surveillance results of foodborne pathogens in foods sold in Liaoning province from 2017 to 2019	WANG Wei-Jie, et al 3522-3528
Risk assessment of 24 kinds of veterinary drugs residue in the poultry eggs of Qiandongnan prefecture	SUN Si, et al 3529-3535
Determination of migration of 15 kinds of metal elements in non-stick pan in 5 kinds of food simulants by inductively coupled plasma mass spectrometry	ZHANG Zhen-Yang, et al 3536-3541
Food Chemistry and Nutrition	
Research progress on epidemic trend and antimicrobial resistance research of foodborne <i>Salmonella</i>	WENG Rui, et al 3542-3549
Research progress on comprehensive utilization of tribute citrus	CAI Xin-Tong, et al 3550-3556
Research progress on characteristics and processing of meal replacement powder	FEI Yong-Tao, et al 3557-3564
Research progress of sports fatigue mechanism and food-borne anti-fatigue active ingredients	ZHAO Jing 3565-3571
Study on the development and activity of anti-fatigue sports drink	LI Jing-Hua 3572-3577
Application of special medical food in improving and control of gestational diabetes mellitus	FU Ying, et al 3578-3584
Research progress of ginsenosides activity on coronary heart disease	YOU Jing-Chao, et al 3585-3591
Research progress on the mechanism of lactic acid bacteria improving diabetes	ZHOU Tong, et al 3592-3597
Effects of superheated steam treatment on phenols of bran and their antioxidant activity	YE Guo-Dong, et al 3598-3605
Study on the production technology of <i>Torreya grandis</i> fruit cake	LAI Hua-Qing, et al 3606-3612
Optimization of polysaccharides extraction from <i>Corbicula fluminea</i> juice by three-phase partitioning using response surface	WANG Chun, et al 3613-3620
Immunoregulatory function of selenium-enriched <i>Cyclotrichia palmarum</i> and <i>Polygonatum sibiricum</i> compound tea on mice	CHEN Dan, et al 3621-3626
Simultaneous determination of 20 kinds of inorganic elements in hawthorn juice by microwave digestion-inductively coupled plasma mass spectrometry	WANG Ji-Shuang, et al 3627-3634
Determination of 42 pesticides in fruits by ultra performance liquid chromatography-tandem mass spectrometry	HU Cui, et al 3635-3641

Food Analysis and Detection

- Determination of dinotefuran and 2 kinds of metabolites residues in food by ultra performance liquid chromatography-tandem mass spectrometry CHI Lian-Xue, et al 3642-3651
Determination of estradiol in animal muscle and milk by liquid chromatography-tandem mass spectrometry YANG Yi, et al 3652-3657
Determination of basic yellow in food by fluorescence colorimetry based on perovskite nanomaterials SHI Li-Xia, et al 3658-3664
Simultaneous determination of clonidine and cyproheptadine residues in animal-derived food by solid phase extraction-liquid chromatography-tandem mass spectrometry HAO Xu-Feng, et al 3665-3673
Comparison of the effects of 3 kinds of different pretreatment methods combined with high-resolution mass spectrometry applied to the determination of pesticide residues in ginger HAN Mei, et al 3674-3683
Screening and confirmation of 117 kinds of veterinary drugs residues in pork by ultra performance liquid chromatography-quadrupole tandem time-of-flight mass spectrometry WANG Cong, et al 3684-3693
Determination of 4 kinds of phenolic acids content from the *Amomumtsao-ko* by high performance liquid chromatography REN Hong-Tao, et al 3694-3699
Determination of 48 kinds of pesticide and its metabolite residues in vegetables and fruits by QuEChERS-gas chromatography-tandem mass spectrometry YANG Yu-Ping, et al 3700-3708
Determination of pentachlorophenol sodium in Huanghou by high performance liquid chromatography-tandem mass spectrometry ZENG Yi-Ting, et al 3709-3714
Detection of porcine-derived components in meat products by real-time fluorescence PCR WU Jian, et al 3715-3720
Determination of folic acid in iron-folic acid tablets by vortex oscillation extraction-high performance liquid chromatography-ultraviolet detection method TU Hong-Jian, et al 3721-3726
Determination of domoic acid in bivalve aquatic products by immunoaffinity column purification-high performance liquid chromatography-triple quadrupole mass spectrometry YUE Ya-Jun, et al 3727-3732
Evaluation of quantitative detection of *Listeria monocytogenes* by plate method ZHAO Ling, et al 3733-3738
Rapid determination of norovirus genogroup I by real-time reverse transcription loop-mediated isothermal amplification LI Hui, et al 3739-3743
Determination of organic selenium in *Aornial mealnocarpa* fruit by inductively coupled plasma-mass spectrometry YU Li, et al 3744-3747
Rapid detection of nitrite in milk powder by derivatization-enrichment-surface enhanced Raman spectroscopy CHEN Yong, et al 3748-3754
Packaging design of persimmon based on reducing perish ability of fruits and vegetables JIN Yu-Jie, et al 3755-3763
Determination of 3-methyl quinoxaline-2-carboxylic acid of olaquindox marker residue in porcine liver by liquid chromatography-tandem mass spectrometry ZHANG Jia-Hui, et al 3764-3770
Rapid determination of 4 kinds of β_2 -agonist residues in cooked meat by pass-through solid phase extraction column combined with QuEChERS pretreatment technique-liquid chromatography tandem mass spectrometry WANG Li-Li, et al 3771-3776
Research on key influencing factors of determination of sodium in food by inductively coupled plasma atomic emission spectrometry GAO Xi-Feng, et al 3777-3783
Rapid determination of nickel content in butter CHENG Shi-Qun, et al 3784-3787
Determination of ethanol in liquor by catalytic kinetic method BAI Jing, et al 3788-3793
Comparison of verification methods of cyanide ability in liquor ZHAO Li, et al 3794-3798
Determination of pyroxysulam in the grain crops by QuEChERS-high performance liquid chromatography-tandem mass spectrometry WANG Dong-Bin, et al 3799-3806
Determination of theaflavins in instant Yunnan black tea products by high performance liquid chromatography LIU Xue-Na, et al 3807-3812

Food Safety Supervision and Management

- Research progress on the application of typing methods for monitoring and source tracking of *Listeria monocytogenes* DU Dong-Dong, et al 3813-3819
Impact of pesticide residue limits in food on law enforcement activities ZHANG Wei, et al 3820-3823
Food microbiological inspection and laboratory quality control FAN Rui, et al 3824-3829
Current situation of standard methods and research progress of starch content determination at China and abroad LI Bing, et al 3830-3839
Research on food microbiological risks and safety control strategies at home and abroad FAN Rui, et al 3840-3843
Research of the determination of lysozyme in the wine XU Li, et al 3844-3848
Analysis for fruits supervision and sampling of Chongqing in 2019 TAN Ming-Tian, et al 3849-3853
Traceability analysis of *Pseudomonas cocovenenans* subsp. *Farino fermentans* in pollution events based on whole genome sequence CHEN Rong-Qiao, et al 3854-3859
Analysis on non-conformities of laboratory quality management system in center for disease control of a city from 2016 to 2018 LAI Jin-Feng, et al 3860-3864
Instruction to authors 3865-3866