



THE FOOD INDUSTRY

ISSN 1004-471X

CN31-1532 / TS

2
2017

广告



国家轻工业食品质量监督检测上海站

Food Quality Supervision & Inspection Shanghai Station of P.R.C. Light Industry Ministry

上海市营养食品质量监督检验站

Shanghai Nutrition Food Quality Supervision & Inspection Station



食品质量的提升

食品安全的保障

上海源本食品质量检验有限公司

Shanghai Yuanben Food Quality Inspection Co., Ltd.

地址: 上海市济宁路28号

Add: No.28 Ji Ning Road Shanghai China

电话/Tel: 021-65471617, 021-65471167

万方数据网址/Web: <http://www.Yuanben.com>

邮编: 200082

P.C: 200082

传真/Fax: 021-65471617, 021-65471167

E-mail: Yuanben@Yuanben.com



ISSN 1004-471X
CN31-1532

主管单位

光明食品(集团)有限公司

主办单位

上海市食品工业研究所

业务指导

中国食品工业协会

协办单位

中国焙烤食品糖制品工业协会

中国罐头工业协会

全国冷冻食品专业委员会

中国食品工业协会糖果专业委员会

中国科学院上海科技查新咨询中心

上海科学院

上海市食品学会

上海应用技术学院香料技术与工程学院

上海海洋大学食品学院

华东理工大学生物工程学院

云南民族传统食品开发促进会

编辑出版:《食品工业》编辑部

主编:侯少雄

副主编:钱根新

责任编辑:陈涵

广告部主任:李丕逸

电话:13817379694

地址:上海市肇嘉浜路376号轻工大厦10楼

邮政编码:200031

电话(传真):021-65126911

E-mail:zzs@shsgpy.com

官方网站:<http://www.shsgpy.com>

户名:上海市食品工业研究所

账号:7311410182200048044

开户银行:中信银行上海静安支行

国家标准连续出版物号:
ISSN 1004-471X
国内统一连续出版物号:
CN31-1532/TS
广告经营许可证号:
3100520080012

国内总发行:上海市邮政局报刊发行局
国内订阅:全国各地邮局
邮发代号:4-503
单价:每册20.00元 全年240.00元
印刷:上海昌鑫龙印务有限公司

目 次

第38卷 第2期(月刊)

Contents**工艺技术**

- 响应面优化牡丹籽甾醇的提取及其抗氧化活性研究 张睿 (1)
Extraction of Phytosterol from Peony Seeds by Response Surface Methodology and Its Antioxidation Zhang Rui
蛋壳粉咀嚼片的研制与溶解性研究 李美凤,冉旭 (5)
Study on the Manufacturing Method of Eggshell Powder Chewable Tablet and Its Solubility Li Mei-feng, Ran Xu
红外与漂烫处理下马铃薯多酚氧化酶的失活机理研究 张琥,王金勇 (9)
Study on Inactivation Mechanism of Potato PPO under Infrared Processing and Blanching Zhang Hu, Wang Jin-yong
超声波辅助提取洋葱精油的研究 薛淑静,李露,杨德,等 (13)
Study on Technology of Extracting of Onion Essential Oil by Synchrotron Radiation Method Xue Shu-jing, Li Lu, Yang De, et al.
不同熬制工艺对美味牛肝菌汤中氨基酸成分的影响 郭磊,郭娟,范方宇,等 (17)
Effect of Different Boiling Methods on Amino Acid Composition of *Boletus edulis* Soap Guo Lei, Guo Juan, Fan Fang-yu, et al.
植物乳杆菌发酵制备风干羊肉干工艺 林建和 (20)
Preparation Technology of Fermented Mutton Jerky by *Lactobacillus* Lin Jian-he
干酪乳杆菌对黄瓜籽饮料发酵条件的优化 李欢欢,李苏红,谢婉莹,等 (23)
Optimization of the Fermentation of Cucumber Seed Beverage by *Lactobacillus casei* Li Huan-huan, Li Su-hong, Xie Wan-ying, et al.
青香蕉抗性淀粉提取工艺优化及物理特性研究 饶雪甜,尹洁琼,蔡锦红,等 (26)
Optimization of Extraction Technology and Physical Properties of Resistant Starch from Green Banana Rao Xue-tian, Yin Jie-qiong, Cai Jin-hong, et al.
pH和甜味剂对胶原蛋白溶液稳定性的影响 黎彩,陈春松,任涛,等 (32)
Effects of pH and Different Sweeteners on the Stability of Collagen Solution Li Cai, Chen Chun-song, Ren Tao, et al.
三元共混多糖成膜性能对卷烟保湿性能的影响 唐丽,刘娟,雷声,等 (36)
Effect of Film-forming Properties of Three Element Blend Polysaccharide on the Moisture Retentivity of Cigarette Tang Li, Liu Juan, Lei Sheng, et al.
食品中双歧杆菌显色培养基的研制 蒋曙光,曹琥靓 (40)
Development of Bifidobacteria Chromogenic Medium in Food Jiang Shu-guang, Cao Hu-liang
利用微生物降解烟梗中细胞壁物质的响应曲面优化 徐世涛,陈云娇,侯读成,等 (45)
Optimization of Degradation of Cell Wall Matters in Tobacco Stem by Microbial Fermentation Liquor Using Response Surface Methodology Xu Shi-tao, Chen Yun-jiao, Hou Du-cheng, et al.
荸荠皮抑菌活性成分微波提取工艺及抑菌特性 韦学丰,罗杨合,邓年方,等 (50)
Water Chestnut Peel Antibacterial Active Ingredients Microwave Extraction Technology and Antibacterial Properties Wei Xue-feng, Luo Yang-he, Deng Nian-fang, et al.
不同杀菌方式对竹笋保藏过程中品质的影响 薛凡,王一飞,左艳萍,等 (54)
Effects of Different Sterilization Methods on Bamboo Shoots' Qualities Xue Fan, Wang Yi-fei, Zuo Yan-ping, et al.
酸菜汁乳饮料稳定性的研制 张桂芳,陈羽红,张东杰,等 (58)
Development on Stability of Sauerkraut Juice Milk Beverage Zhang Gui-fang, Chen Yu-hong, Zhang Dong-jie, et al.
黄瓜组合干燥工艺参数的优化 王文茹,董继先,巩桂芬,等 (62)
Cucumber Combination Drying Process Parameters Optimization Wang Wen-ru, Dong Ji-xian, Gong Gui-fen, et al.
速冻小松菜安全护绿的小苏打复合液漂烫工艺研究 朱东兴,程喜红,刘天鹅,等 (66)
Optimization of Blanching Technology with the Complex Liquid of Sodium Bicarbonate for Innocuous Preserving Green of Quick-frozen Komatsuna Zhu Dong-xing, Cheng Xi-hong, Liu Tian-he, et al.
玉米蛋白组分分离及其构相研究 林楠,曹勇,修琳,等 (72)
Study on Isolation and Structure of Corn Protein Components Lin Nan, Cao Yong, Xiu Lin, et al.

红曲霉液态发酵苦荞芽工艺优化及其体外抗氧化研究

马麟, 唐晓慧, 王珺儒, 等 (76)

Study on the Optimization of Submerged Fermentation in Tartary Buckwheat Sprouts by *Monascus* and Their Antioxidant Activities Ma Lin, Tang Xiao-hui, Wang Jun-ru, et al.

双酶法制备板栗微孔淀粉的工艺研究 张欢欢, 邓琦 (81)

Study on Preparation of Chestnut Microporous Starch by Double Enzyme Hydrolysis Method Zhang Huan-huan, Zhi Qi

超声辅助提取黄栀子色素及热降解动力学 刘永, 李彩瑜, 黄惠敏, 等 (84)
Ultrasonic-Assisted Extraction of Gardenia Pigment and Its Thermal Degradation Kinetics Liu Yong, Li Cai-yu, Huang Hui-min, et al.

番石榴多酚对金鲳鱼糜的保鲜效果研究 林晓霞, 黄和, 曹湛慧, 等 (88)
Preservation Effect of Guava (*Psidium guajava* L.) Polyphenol on the *Trachinotus ovatus* Surimi Lin Xiao-xia, Huang He, Cao Zhan-hui, et al.

微波干燥对小麦籽粒水分迁移的影响 渠深玲, 刘畅, 王芳婷, 等 (91)
Microwave Drying Effects on Moisture Transfer of Wheat Kernels Qu Chen-ling, Liu Chang, Wang Fang-ting, et al.

茉莉花叶总生物碱的体外抗氧化活性研究 刘燕, 马宇颖, 程世嘉, 等 (94)
Antioxidant Activities of Total Alkaloids from the Laminae of *Jasminum sambac* Hance Liu Yan, Ma Yu-ying, Cheng Shi-jia, et al.

油梨仁提取物的体外抗氧化活性研究 麻文胜, 黎国庆, 钟华锋, 等 (96)

Study on Antioxidant Activity of Avocado Seed Extract *in Vitro* Ma Wen-sheng, Li Guo-qing, Zhong Hua-feng, et al.

绿茶色素提取及其稳定性研究 管磬馨, 董伟峰, 李慧娟, 等 (100)
Extraction and Stability of Pigment from Green Tea Guan Qing-xin, Dong Wei-feng, Li Hui-juan, et al.

通江段木银耳的干燥工艺 孙曼兮, 陈丽娟, 刘刚, 等 (102)

Drying Method of Tongjiang Wooden Cultivation of *Tremella fuciformis* Sun Man-xi, Chen Li-juan, Liu Gang, et al.

莲子山药饮料的研制 孟秀梅, 李明华, 顾立众, 等 (107)

Development of Lotus Seed and Yam Beverage Meng Xiu-mei, Li Ming-hua, Gu Li-zhong, et al.

结冷胶在双层果冻中的应用研究 潘晓军, 李利敏 (111)

Study on the Application of Gellan Gum in the Double Layer Jelly Pan Xiao-jun, Li Li-min

响应面法优化广东客家黄酒产 γ -氨基丁酸的发酵工艺 黄敏欣, 莫依灿, 赵文红, 等 (116)

Optimization of Fermentation Process of GABA Production of Guangdong Hakka Rice Wine by Response Surface Methodology Huang Min-xin, Mo Yi-can, Zhao Wen-hong, et al.

鲜切苹果臭氧水杀菌工艺研究 侯玉茹, 牛琳, 王宝刚, 等 (121)

Study on Sterilizing Technology of Ozone Water in Fresh-cut Apple Hou Yu-ru, Niu Lin, Wang Bao-gang, et al.

三波长分光光度法测定桑叶中总黄酮的研究 赵二芳, 史可, 郭建红, 等 (125)

Study on the Determination of Total Flavonoids in Mulberry Leaves by Three-wavelength Spectrophotometry Zhao Er-lao, Shi Ke, Guo Jian-hong, et al.

发酵液中 L- 色氨酸的快速分离纯化 张婷婷, 杨生玉 (128)

Separation and Purification of L-Tryptophan from the Fermentation Broth Rapidly Zhang Ting-ting, Yang Sheng-yu

响应面优化大孔树脂纯化金兰柚果胶 吴娜 (132)

The Usage of Ultrasonic Wave in Mixed Protein Drinks Wu Na

不同加工工艺对马铃薯颗粒全粉营养成分的影响 陈金发, 吴昊, 田先翠 (135)

Different Processing Technology on the Influence of Potato Powder Particles All Nutrients Chen Jin-fa, Wu Hao, Tian Xian-cui

不同贮藏条件对脱水甘蓝外观品质的影响 王丹, 赵肖肖, 马越, 等 (138)

The Effect of Different Storage Conditions on Exterior Quality of Dehydrated Cabbage during Storage Wang Dan, Zhao Xiao-xiao, Ma Yue, et al.

自控热泵臭氧杀菌柿饼干燥房建设与柿饼生产技术 施宝珠, 段旭昌, 吴烨婷, 等 (141)

Construct of Auto-controlling Drying Room for Dried Persimmon with Heat Pump and Ozone Sterilizer and Production Technology for Dried Persimmon Shi Bao-zhu, Duan Xu-chang, Wu Ye-ting, et al.

玛咖芒果酒发酵工艺条件的研究 李敏杰, 熊亚 (145)

Study on the Technology Conditions of Maca-Mango Wine Fermentation Li Min-jie, Xiong Ya

酸凝温度对 Mascarpone 干酪性质的影响 孙颜君, 高红艳, 孙颜杰 (150)

Effect of Acid Temperature on the Functionality of Mascarpone Cheese Sun Yan-jun, Gao Hong-yan, Sun Yan-jie

蛤蜊酶解条件的优化及其酶解物抗疲劳活性的研究 史亚萍, 张绵松, 贾爱荣, 等 (155)

Study on the Optimization of Enzymatic Hydrolysis Conditions of Clam and Its Anti-fatigue Activity Shi Ya-ping, Zhang Mian-song, Jia Ai-rong, et al.

超微粉碎结合微波辅助提取马铃薯渣中可溶性膳食纤维 何国菊, 常艳菊, 龙峰 (159)

Study on Extracting Soluble Dietary Fiber by Phytate Solution with Super Communion and Microwave from Potato Residue He Guo-ju, Chang Yan-ju, Long Feng

声明

凡本刊发表的论文, 将通过被授权的传播单位进行各种方式的数据化网络出版或提供信息服务, 稿件一经刊登, 将在稿酬中一次性支付稿费和著作权使用费(即包括印刷版、光盘版和网络版等)。若作者不同意被数字化处理, 应在投稿时, 向本刊提出书面说明, 否则即视为同意上述声明。

编辑部

本刊出版日期为每月 20 日。欢迎投稿。

本刊涉及食品的专业面广，信息量大。欢迎广大客户预约广告刊登。

本刊可在全国各地邮局订阅，邮发代号 4-503

大葱籽总黄酮及总多酚含量的测定及提取工艺研究

姜莉, 张晨妍, 姜晨曦, 等 (164)

Determination and Study on Extraction of Total Flavonoids and Total Polyphenol in Setose Thistle Seeds Jiang Li, Zhang Chen-yan, Jiang Chen-xi, et al.

⁶⁰Co- γ 辐照对分级蓝莓贮藏品质的影响 李国林, 陈曦, 黄道梅, 等 (167)

Effects of ⁶⁰Co- γ Irradiation Treatments on Storage Quality of Grading Blueberry Li Guo-lin, Chen Xi, Huang Dao-mei, et al.

研究探讨

玉米淀粉及黄浆发酵产小核菌多糖抗氧化活性 李鸿梅, 吴洪峰, 魏明, 等 (171)

Antioxidant Activity of Scleroglucan Fermented in Corn Starch and Corn Soak Li Hong-mei, Wu Hong-feng, Wei Ming, et al.

羟丙基二淀粉磷酸酯对面粉品质的影响研究 豆康宁, 王飞, 王昭才, 等 (176)

The Effect of the Cross-linked Hydroxylpropyl Ether Starch on the Quality of the Wheat Flour Dou Kang-ning, Wang Fei, Wang Zhao-cai, et al.

三文鱼小清蛋白定向酶解模型及致敏活性分析 马涛, 张海欣, 马永庆, 等 (179)

Simulation Model of Directed Enzymatic Hydrolysis and Antigeicity Verification of Salmon Parvalbumin Ma Tao, Zhang Hai-xin, Ma Yong-qing, et al.

不同产地红枣中糖及非挥发性有机酸成分分析 侯丽娟, 何思鲁, 赵欢, 等 (183)

Sugar and Non-volatile Organic Acids Analysis of Jujube in Different Areas Hou Li-juan, He Si-lu, Zhao Huan, et al.

微胶囊法提高益生菌抗逆性的研究 贺红军, 李宜春, 张雪婷, 等 (188)

Study on Microencapsulation to Improve Probiotics Stress Resistance He Hong-jun, Li Yi-chun, Zhang Xue-ting, et al.

枯草芽孢杆菌对金针菇发酵液蛋白质降解研究 王斌, 张腾霄, 刘利军, 等 (193)

Study on the Degradation of Protein in *Flammulina velutipes* Fermentation Broth by *Bacillus subtilis* Wang Bin, Zhang Teng-xiao, Liu Li-jun, et al.

长沙市圭塘河沿岸蔬菜中重金属污染分析与评价 周艳华, 李涛, 黄小波 (197)

Analysis and Evaluation of Heavy-metal Contamination in Vegetables from Changsha City Guitang River Zhou Yan-hua, Li Tao, Huang Xiao-bo

基于 KPCA 和 SOM 网络的电子鼻大闸蟹新鲜度评价 朱培逸, 顾晓云, 杜洁, 等 (200)

Appraising Method for Freshness of Crabs With Electronic Nose Based on KPCA and SOM Network Zhu Pei-ji, Gu Xiao-yun, Du Jie, et al.

富硒酵母的诱变及突变株的筛选研究 贺莹, 赵建英, 高平, 等 (204)

Mutation of Selenium-rich Yeast and Isolation of Mutants He Ying, Zhao Jian-ying, Gao Ping, et al.

超微粉碎对发芽糙米物化特性影响的研究 刘颖, 刘丽宅, 于晓红, 等 (208)

The Effect of Superfine Grinding on Physicochemical Properties of Germinated Brown Rice Liu Ying, Liu Li-zhai, Yu Xiao-hong, et al.

莲子壳黄酮的提取与组分分析 周鸣谦, 刘春泉, 李大婧 (212)

Extraction and Component Analysis of Flavonoids from Lotus Seed Shell Zhou Ming-qian, Liu Chun-quan, Li Da-jing

食品机械

曲房轨道移动码垛机器人运动学分析与仿真 尹新城, 胡勇 (215)

Kinematics Analysis a Simulation for a Track Mobile Palletizing Robot in Koji Workshop Yin Xin-cheng, Hu Yong

悬挂式翻曲机器人关键构件优化研究 田建平, 谢亮亮, 杨海粟, 等 (219)

Research on the Key Components Optimization of the Suspension Type Turning Koji Robot Tian Jian-ping, Xie Liang-liang, Yang Hai-li, et al.

专题论述

乳酸菌抗噬菌体新型技术研究 范梦茹, 刘颖, 吴文茹, 等 (225)

Novel Technologies of Lactic Acid Bacteria against Bacteriophages Fan Meng-ru, Liu Ying, Wu Wen-ru, et al.

介电特性在食品品质检测中的研究进展 李尧, 齐力娜, 程裕东, 等 (229)

Research Progress of Dielectric Properties in Food Quality Inspection Li Yao, Qi Li-na, Cheng Yu-dong, et al.

豆制品加工公司作业标准制定的工作研究 赵忠玲, 赵月鼎 (233)

Application Work Study Lay down Operating Standard in Ltd. for Bean Manufacturing Zhao Zhong-ling, Zhao Yue-ding

- 重大食品安全事故应急资金保障机制研究 杨雪美, 王晓翌, 李鸿敏 (236)
Emergency Funding Mechanism of Major Food Safety Accidents Yang Xue-mei, Wang Xiao-yi, Li Hong-min
- 粮仓计量技术进展与展望 任工昌, 张戈, 刘朋 (241)
Progress and Prospect of Grain Depot Measurement Techniques Ren Gong-chang, Zhang Ge, Liu Peng
- 中国佐餐开胃蔬菜即食食品发展现状与市场前景 肖琳, 王凌云, 王晗, 等 (245)
Development Status and Market Prospect of the Appetizing Instant Vegetables Food in China Xiao Lin, Wang Ling-yun, Wang Han, et al.
- 磁性壳聚糖微球在食品工业中的应用研究进展 范松林, 任勤, 张佳欣, 等 (249)
Research Progress of Magnetic Chitosan Microspheres Application in Food Processing Industry Fan Song-lin, Ren Qin, Zhang Jia-xin, et al.
- 谷物 β -葡聚糖分子结构、物理特性及应用的研究进展 刘远方, 赵爱娟 (253)
Research Progress of Molecular Structures, Physical Properties and Applications of Cereal β -D-Glucans Liu Yuan-fang, Zhao Ai-juan
- 面向顾客满意度的食品运输品质研究 姚立国, 黄海松, 吕健 (257)
Transportation Quality Research for Food Information under the Perspective of Customer Satisfaction Yao Li-guo, Huang Hai-song, Lü Jian
- 夹心棉花糖工艺概述 关龙 (260)
Sandwich Marshmallow Process Overview Guan Long
- 铬及酵母富铬研究进展 王袆璇, 董伟峰, 胡文忠, 等 (266)
Research Advance on Chromium and Chromium Accumulation of Yeast Wang Yi-xuan, Dong Wei-feng, Hu Wen-zhong, et al.
- 玉米淀粉纳米晶的影响因素及研究现状 余世锋 (268)
Research Progress of the Effect Factors on Corn Starch Nanocrystals Yu Shi-feng
- 纤维素酶及其在食品行业中的应用 高蕾蕾, 李迎秋 (271)
Cellulase and Its Application in Food Industry Gao Lei-lei, Li Ying-qiu
- 即食肉制品产业发展现状与市场前景 刘阳, 唐莉娟, 王凌云, 等 (275)
Industry Development Status and Market Prospects of Ready-to-eat Meat Products Liu Yang, Tang Li-juan, Wang Ling-yun, et al.
- 我国地方食品安全现状分析及政府监管评估指标构建 焦贝贝, 郑风田 (279)
Current Situation Analysis of Local Food Safety and Evaluation Index Design for Local Government Supervision Jiao Bei-bei, Zheng Feng-tian

分析检测

- 2种树莓格瓦斯品质及香气成分分析 韩宗元, 李晚静, 庾新, 等 (283)
Quality in 2 Kinds of Raspberry Kvass and Analysis of Aroma Components Han Zong-yuan, Li Xiao-jing, Geng Xin, et al.
- 固相萃取-液相色谱-质谱联用法检测饮用水中双酚A 朱华蓉, 郝鹏鹏 (288)
Quantification of Bisphenol A in Drinking Water Using SPE-LC-MS Zhu Hua-rong, Hao Peng-peng
- 酸巴梨营养成分分析 刘彩云, 彭章普, 魏晋梅 (292)
Analysis on Nutritional Components in Sour Pear Liu Cai-yun, Peng Zhang-pu, Wei Jin-mei
- 龟苓膏中重金属健康风险评价 莫启进, 朱海军, 李镇坤, 等 (295)
Health Risk Assessment of Heavy Metals in Guilinggao Mo Qi-jin, Zhu Hai-jun, Li Zhen-kun, et al.
- 深圳居民膳食中硒的测定及其摄入量评估 陈树娣, 汤璐, 张贵伟, 等 (298)
Determination of Selenium and Assessment of Dietary Selenium Intake in Shenzhen Residents Chen Shu-di, Tang Lu, Zhang Gui-wei, et al.
- 不同茶叶中茶多酚类成分及咖啡碱含量研究 普冰清, 徐怡, 杜春华, 等 (301)
Analyze and Compared the Tea Polyphenol Contents and Caffeine in Different Varieties of Tea Pu Bing-qing, Xu Yi, Du Chun-hua, et al.
- 常见植物油中8种生育酚和生育三烯酚含量分析 顾强, 石晶, 袁大炜, 等 (304)
Analysis of Eight Vitamin E Isomers in Vegetable Oils Gu Qiang, Shi Jing, Yuan Da-wei, et al.
- 生物转化对当归提取物挥发性成分的影响 罗诚浩, 陈义坤, 魏敏, 等 (307)
Influence of Biotransformation on the Volatile Components of *Angelica sinensis* Extract Luo Cheng-hao, Chen Yi-kun, Wei Min, et al.
- HPLC法测定蜂胶类保健食品中黄曲霉毒素B₁的研究 李涛, 周艳华, 潘小红 (311)
Study of Determination for Aflatoxin B₁ in Propolis Related Health Food by HPLC Li Tao, Zhou Yan-hua, Pan Xiao-hong

广告



好
麻油

自然
太太乐



选购更多美味 请点击

<http://totole.tmall.com>