国际数据库(EI、CA、FSTA、IC、JST)收录期刊 国家自然科学基金资助重点学术期刊 中国科学引文数据库收录期刊 百种中国杰出学术期刊 中国精品科技期刊 中国权威学术期刊 中文核心期刊 中国科技核心期刊 中国农业核心期刊



FOOD SCIENCE

2018年第39卷第3期

半月刊

2018年2月15日出版





- 天然植物原料研究与生产供应服务商
- 通过ISO9001、ISO14001、ISO22000、FSSC22000、HACCP、GMP、BRC认证
- 通过美国及欧盟有机茶加工认证
- 通过Kosher及Halal认证
- 通过CNAS国家实验室认可
- 国家高新技术企业、博士后科研工作站、 省级重点实验室



食品饮料事业

FOOD AND BEVERAGE MANUFACTURERS

保健事业

HEALTH & WELL-BEING SUPPLEMENT

Dreams Are Made In Nature

在自然中创造梦想



万方数据



官方微信公众号



大闽食品(漳州)有限公司

地址: 福建省漳州市蓝田经济开发区 电话: +86-596-2100018 传真: +86-596-2100019 食品饮料部邮箱: Sales@daminfood.com 餐饮事业部邮箱: Catering@daminfood.com 保健业务部邮箱: Health@daminfood.com Intl Dept: Inquiries@daminfood.com

食品科字

Shipin Kexue



主 管: 中国商业联合会 主 办: 北京食品科学研究院 出 版: 中国食品杂志社 编辑:《食品科学》编辑部

社 长: 王守伟 执行社长: 赵 燕 副社长兼主编: 孙 勇

副主编: 马永征、王晓云、张秀敏

主编助理: 傅利军、许祎昕

责编:邢 蓓

编辑成员: 高 乐、肖 敏、杨云舒

英文校译: 陈 宁、陈锦强

编辑部: (010)83155446/47/48/49/50 (010)83155436(兼传真)

副社长兼广告部主任: 陶 震 广告总监:杨红

(010)83155435/38 (010)83152138(传真)

发行部: (010)83155446-8010

网 址: www.chnfood.cn 电子信箱: foodsci@126.com

通信地址:北京市西城区禄长街头条4号

邮政编码: 100050

国内发行:中国邮政集团公司北京市报刊发行局

邮发代号: 2-439

国外总发行:中国国际图书贸易集团有限公司 (北京399信箱)

国外代号: M686

中国标准连续出版物号: ISSN 1002-6630 CN 11-2206/TS

出版日期:每月15日、25日

版: 百林印刷厂

刷:北京墨阁印刷有限公司 印

国内定价: 40元/册

订阅方法: 各地邮政局或本刊编辑部 广告经营许可证号: 京西工商广字第8133号(1-1) 法律顾问: 张国印 律师 电话: 13901354197 知识产权顾问: 李桂玲 电话: 13801335416





食品科学微博

食品科学微信

2018年

第39卷 第03期 1980年创刊



总第 568 期

基础研究

温度对不同油料作物油脂体理化稳定性的影响 崔春利等(1)
冷藏金枪鱼优势腐败菌致腐败能力刘爱芳等(7)
高温加热对牡丹籽油脂肪酸和理化性质的影响魏小豹等(15)
荞麦壳提取物有效组分的分离及
体外抗糖尿病活性赵梓瀛等(21)
迷迭香提取物与NaCl协同改善
肌原纤维蛋白凝胶特性贾 娜等(28)
添加不同成分的外裹糊鱼块深度油炸过程中的
传质动力学 袁子珺等(34)
啤酒花废弃枝叶多酚、黄酮含量与
抗氧化活性的相关性分析 白姗姗等(41)
晒干处理对花生过敏原蛋白潜在致敏性的影响常雪娇等(49)
蛋白氧化对肌原纤维蛋白凝胶构效关系的影响赵 冰等(55)
橡木提取液对霞多丽和赤霞珠葡萄果实品质的影响… 鞠延仑等(62)
熟化方式对预制鲍鱼品质的影响王 阳等(69)
不同粒径金花茶茶花粉体物理特性黄梅华等(76)
红树莓多酚的组分分析及体外抗脂质过氧化活性旷 慧等(83)
消化对益生菌干酪抗氧化活性的影响曲秀伟等(90)
赖氨酸诱导低离子强度下罗非鱼
肌球蛋白增溶及机制 朱潘红等(97)
小麦蛋白对樱桃酒的澄清效果李娟娟等(104)
山楂果胶寡糖的抑菌性能及机理王 巍等(110)
萝卜籽粕蛋白质的组成及功能性质———————————————————————————————————
原花青素抑制丙烯酰胺的动力学周梦舟等(123)
绍兴香榧坚果品质变异分析及综合评价 孙小红等(129)



食品工程



2018年 第39卷

《食品科学》第七届编委会 顾问: Daryl Bert Lund 蔡同一 曹小红 陈坚 管华诗 何其傥 贾敬敦 金宗濂 李玉 刘瑞海 潘迎捷 庞国芳 饶平凡 孙宝国 孙大文 杨铭铎 张改平 照日格图 周光宏 朱蓓薇

编委会委员 (按姓氏汉语拼音排序)

Michael Tilley(USDA-GMPRC)
IL KIM(Pusan National University)

流式细胞术在超高压诱导大肠杆菌O157:H7 亚致死研究中的应用 ……………………孔晓雪等(135) 超声强化真空干燥全蛋液的干燥特性与 动力学模型 ………………………………………… 马怡童等(142) 电子束剂量率对牛肉蛋白结构和理化性质的影响……程述震等(150) 静电场辅助冻结-解冻对肌肉保水性及 蛋白理化特性的影响 ………………………… 尚 柯等(157) 超高压处理对柿浆品质的影响………………梁志宏等(163) 超声波、超高压对白鲢鱼肌肉脂肪

氧合酶构象及酶活力的影响 ………………… 王帮国等(169)

HL-7702损伤的保护作用及其机制············徐孟川等(176)

营养卫生

葡萄籽原花青素提取物对砷诱导人肝细胞

绿豆皮可溶性膳食纤维的抗氧化作用…………罗 磊等(182) 苦荞对高脂膳食诱导小鼠血脂代谢及 组织氧化还原的影响 …………………… 周小理等(188) 美藤果及其果油品质……………………………………………刘玉兰等(193) 榛仁免疫活性肽分离纯化及结构鉴定……………… 王 鹏等(200) 二十二碳六烯酸免疫调节活性…………………………韩丽荣等(206)

氨基葡萄糖和骨碎补联用对大鼠慢性

骨关节炎的干预作用及机制 …………………….周艳丽等(213)

白扁豆多糖对神经细胞缺氧性凋亡的保护机制………张贤益等(222)

閊

学

目次



第03期 总第568期

包装贮运

不同成熟度橄榄果实冷藏期间细胞壁代谢对 采后冷害的响应特性 ……………………孔祥佳等(229) 不同解冻方式对软儿梨果实品质与 抗氧化物质含量的影响 …………张 忠等(236) 不同增塑剂对大豆蛋白包装薄膜机械性能 异硫氰酸烯丙酯处理对鲜切紫甘蓝 粉红单端孢侵染和苯并噻重氮诱抗对甜瓜 脂氧合酶代谢及特征香气的影响 …………胡妍芸等(259) 切割方式对鲜切莴苣品质及抗氧化活性的影响………李 静等(268) 聚乳酸抗菌包装中麝香草酚在 食品模拟物中迁移规律 ………………钱浩杰等(274) 半胱氨酸控制鲜切苹果褐变的生理机制…………陈 晨等(282) 采后多胺处理对杏果实黑斑病的控制及 贮藏品质的影响 ……………………马岳岳等(289) 专题论述 乳酸菌耐盐分子机制研究进展………………林松洋等(295) 肠道黏膜免疫细胞在食物致敏中的作用研究进展……杨 帆等(302) 多糖类可食性膜的研究进展………………李 帅等(309) 蔬菜保鲜包装技术的研究进展………………郑秋丽等(317) 乳酸菌降解草酸盐活性及机制研究进展…………」国立东等(324) 基于宏基因组和宏转录组的发酵食品 微生物研究进展 …… 雷忠华等(330)







Contents

FOOD

2018 Vol.39 No.03

Organization	in	Charge:
--------------	----	---------

China General Chamber of Commerce (CGCC)

Sponsored by: Beijing Academy of Food Sciences

Published by: China Food Publishing Company

Editored by: Editorial Department of Food Science Journal

President: Wang Shouwei **Executive President:** Zhao Yan

Vice President/Chief Editor: Sun Yong

Deputy Chief Editor: Ma Yongzheng, Wang Xiaoyun,

Zhang Xiumin

Assistant Chief Editor: Fu Lijun, Xu Yixin

Responsible Editor: Xing Bei

Editors: Gao Le, Xiao Min, Yang Yunshu Translators: Chen Ning, Chen Jinqiang

Tel of Editorial Department:

+86 10 83155446/47/48/49/50-8022

+86 10 83155436 (Fax)

Vice President/Director of Advertising Department:

Tao Zhen

Advertising Sales Director: Yang Hong

+86 10 83155435/38 +86 10 83152138 (Fax)

Tel of Circulation Department:

+86 10 83155446-8010 **Website:** www. chnfood.cn

E-mail: foodsci@126.com

Address: No.4 Toutiao, Luchang Street, Xicheng

District, Beijing, China

Postcode: 100050

Distributed by: Beijing Post Bureau, China Post

Group Corporation

Issue Code: 2-439

Overseas Distributed by:

China International Book Trading Corporation (P.O. Box 399, Beijing 100044, China)

Oversea Code: M686

Chinese Standard Serial Number: ISSN 1002-6630 CN 11-2206/TS

Publication Date: the 15th and 25th of Every Month

Overseas Price: US \$ 15 per Issue

Basic Research

Effect of Heating Treatment on Physical and Oxidative Stability of
Seed Oil Bodies from Diverse Oilseed Crops CUI Chunli et al. (1)
Spoilage Potential of Dominant Spoilage Bacteria from
Chilled Tuna (<i>Thunnus obesus</i>)LIU Aifang et al. (7)
Effect of High-Temperature Heating on Fatty Acid Composition and
Physicochemical Properties of Peony Seed Oil ·····················WEI Xiaobao et al. (15)
Isolation and Anti-Diabetic Activity in Vitro of Flavonoids from
Buckwheat Hull ZHAO Ziying et al. (21)
Synergistic Improvement of Myofibrillar Protein Gel Properties by
Combination of Rosemary Extract and NaClJIA Na et al. (28)
Kinetic Modeling for Mass Transfer of Breaded and Battered Fish
Nuggets (BBFNs) with Soybean Fiber, Xanthan Gum and
Whey Protein during Deep-Fat FryingYUAN Zijun et al. (34)
Correlation of Antioxidant Properties with Contents of Total Polyphenols and
Total Flavonoids in Successive Solvent Extracts of
Abandoned Hop Branches and Leaves ······BAI Shanshan et al. (41)
Effect of Sun-Drying on Potential Allergenicity of Peanut Allergens ···· CHANG Xuejiao et al. (49)
Effect of Protein Oxidation on the Structure-Activity Relationship of
Myofibrillar Protein Gels ZHAO Bing et al. (55)
Effect of Oak Extracts on the Quality of Chardonnay and
Cabernet Sauvignon (Vitis vinifera L.) Grape Berries ······JU Yanlun et al. (62)
Effect of Different Cooking Methods on the Quality of Pre-Cooked
Abalone (Haliotis discus hanai) WANG Yang et al. (69)
Physical Characteristics of Camellia chrysantha (Hu) Tuyama
Flower Powder with Different Particle Sizes HUANG Meihua et al. (76)
Composition Analysis and in Vitro Anti-Lipid Peroxidation Activity of
Red Raspberry PolyphenolsKUANG Hui et al. (83)
Antioxidant Capacity of Probiotic Cheese after Simulated
Gastrointestinal DigestionQU Xiuwei et al. (90)
L-Lysine-Induced Solubilization and Mechanism of Tilapia Myosin
under Low Ionic Strength ConditionsZHU Panhong et al. (97)
Wheat Protein Fining of Cherry WineLI Juanjuan et al. (104)
Antibacterial Activity and Mechanism of Hawthorn
Pectin Oligosaccharides ············WANG Wei et al. (110)
Composition and Functional Properties of Proteins in
Radish Seed MealZHAO Gongling et al. (117)
Inhibitory Kinetics of Acrylamide by Procyanidins ZHOU Mengzhou et al. (123)
Variation Analysis and Comprehensive Evaluation of Nut Quality of
Torreya grandis 'Merrilli' from Shaoxing ······ SUN Xiaohong et al. (129)

Food Engineering

Flow Cytometric Assessment of Sublethal Injury of *Escherichia coli*O157:H7 Cells Caused by High Hydrostatic Pressure······KONG Xiaoxue et al. (135)

SCIENCE

Contents



Serial No.568

Drying Characteristics and Kinetic Model of Liquid Whole Egg during	
Ultrasound-Reinforced Vacuum Drying ·····	MA Yitong et al. (142)
Effect of Electron Beam Dose Rate on Myofibrillar Protein Structure and Physicochemical	
Characteristics of Chilled Beef	···CHENG Shuzhen et al. (150)
Effect of Electrostatic Field-Assisted Freezing-Thawing on Water-Holding Capacity and	
Physicochemical Characteristics of Beef Muscle Proteins	
Effect of Ultra-High Pressure Treatment on the Quality of Persimmon Pulp	···· LIANG Zhihong et al. (163)
Effect of Ultrasonic Wave and Ultra High Pressure Treatment on Conformation and	
Enzyme Activity of Lipoxygenase in Silver Carp Muscle	··· WANG Bangguo et al. (169)
Nutrition and Hygiene	
Protective Mechanism of Grape Seed Proanthocyanidin Extract against Oxidative Damage Induced by	
Arsenic in HL-7702 Cells	···· XU Mengchuan et al. (176)
Antioxidant Effect of Soluble Dietary Fiber from Mung Bean (Phaseolus radiates L.) Hull	LUO Lei et al. (182)
Effect of Tartary Buckwheat on Blood Lipid Metabolism and Tissue Redox Status in Mice Fed High-Fat Diet	
Quality Evaluation of Sacha Inchi Seeds and Oil·····	LIU Yulan et al. (193)
Isolation, Purification and Structural Identification of Immunoactive Peptides Derived from	
Hazelnut (Corylus heterophylla Fisch.) Protein ·····	_
Immunomodulatory Activity of Docosahexaenoic Acid	
Preventive Effect and Mechanisms of Glucosamine Combined with Rhizoma Drynariae on Chronic Osteoarthritis Ra	ats ······ ZHOU Yanli et al. (213)
Protective Mechanism of Polysaccharides from Dolichos Bean Seeds (<i>Dolichos lablab</i> L.) on	
Hypoxia-Induced Neuronal Apoptosis·····	····· ZHANG Xianyi et al. (222)
Packaging, Storage and Transportation	
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in	
	·····KONG Xiangjia et al. (229)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in	
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage	·····ZHANG Zhong et al. (236)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear	······ZHANG Zhong et al. (236) ······ZHI Yawen et al. (245)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage	······ZHANG Zhong et al. (236) ······ZHI Yawen et al. (245)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)MA Yueyue et al. (289)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits Reviews Progress in Molecular Mechanism of Salt Tolerance in Lactic Acid Bacteria	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)MA Yueyue et al. (289)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)HU Yanyun et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)MA Yueyue et al. (289)MA Yanyun et al. (295)MA Yanyun et al. (295)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits Reviews Progress in Molecular Mechanism of Salt Tolerance in Lactic Acid Bacteria A Review of the Role of Intestinal Mucosal Immune Cells in Food Sensitization	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)JIANG Aili et al. (252)HU Yanyun et al. (259)LI Jing et al. (268)CHEN Chen et al. (282)MA Yueyue et al. (289)LIN Songyang et al. (295)LIN Songyang et al. (302)LI Shuai et al. (309)
Characteristics of Cell Wall Metabolism of Harvested Chinese Olive Fruits with Different Maturities in Response to Chilling Injury During Cold Storage Effects of Different Thawing Methods on Fruit Quality and Antioxidant Compound Contents of 'Ruan'er' Pear Effect of Different Plasticizers on Mechanical Stability of Soybean Protein Packaging Films Effect of Allyl Isothiocyanate Treatment on Physiological Metabolism of Fresh-Cut Purple Cabbage Effect of Trichothecium roseum Inoculation and Benzothiadiazole Treatment on the Lipoxygenase Pathway and Characteristic Aroma Compounds in Muskmelon Effect of Cutting Styles on Quality and Antioxidant Activity of Fresh-Cut Lettuce Migration Behavior of Thymol from Polylactic Acid Packaging Material to Food Stimulant Physiological Mechanism for Browning Inhibition in Fresh-Cut Apple by Cysteine Effect of Postharvest Polyamine Treatment on Black Spot Disease Control and Storage Quality of Apricot Fruits Reviews Progress in Molecular Mechanism of Salt Tolerance in Lactic Acid Bacteria A Review of the Role of Intestinal Mucosal Immune Cells in Food Sensitization Progress in Edible Films Prepared with Polysaccharides	ZHANG Zhong et al. (236)ZHI Yawen et al. (245)HU Yanyun et al. (252)LI Jing et al. (268)QIAN Haojie et al. (274)CHEN Chen et al. (282)MA Yueyue et al. (289)LIN Songyang et al. (295)YANG Fan et al. (302)YANG Fan et al. (309)ZHENG Qiuli et al. (317)