

目 次

|                                                                |                                             |
|----------------------------------------------------------------|---------------------------------------------|
| 外源性 rhCNTF 抑制成人成肌细胞体外分化作用及其信号机制 .....                          | 葛 昕,李亚明,窦忠英(1)                              |
| 绵羊 <i>BMPR-IB</i> 基因单核苷酸多态性分析 .....                            | 杨 华,杨永林,刘守仁,钟发刚,张永胜,何其宏(7)                  |
| 黄酮类化合物对大强度耐力训练大鼠的影响试验 .....                                    | 刘卫国,王 刚(12)                                 |
| 鲤 <i>Myf-6</i> 基因的克隆及其表达分析 .....                               | 林亚秋,吉 红,郑玉才,邱 翔,王树香,刘茂琪(16)                 |
| 巨噬细胞 RAW264.7 的培养及电转染条件的优化 .....                               | 宋永利,陆 昕,邱 爽,祁英培,华 松,兰 杰,何小宁,贺小英,张 涌,郑月茂(21) |
| <i>hHT/GFP</i> 融合基因表达载体的构建及在小鼠成纤维细胞中的表达 .....                  | 郭战军,马 毅,张 翎,李三华,王广友,杨慧祥,孙 光,乔宝民(25)         |
| 牛乳中产气荚膜梭菌 $\alpha$ 毒素和金黄色葡萄球菌肠毒素 A 的双重 PCR 检测法 .....           | 张 曼,王晶钰(29)                                 |
| 新城疫纳米乳疫苗研制及其免疫效力试验 .....                                       | 陈建民,欧阳五庆,张 旭,胡 帅(34)                        |
| 乌鲁木齐地区马铃薯纺锤块茎类病毒的检测与序列分析 .....                                 | 董代幸,罗 明,王丽丽,韩 剑,唐德贤,冯世强,岳仲涛(38)             |
| 绿色木霉 L24 菌株分生孢子可湿性粉剂的研制 .....                                  | 杨春平,张晋康,陈华保,陈 刚,杨继芝,王学贵,张 敏(43)             |
| 放线菌剂对黄瓜幼苗生长及叶片 PPO 活性的影响 .....                                 | 段春梅,薛泉宏,赵 娟,呼世斌,陈 秦,王玲娜,申光辉,薛 磊(48)         |
| 1-甲基环丙烯对红富士苹果虎皮病的控制效果 .....                                    | 索江涛,饶景萍,付润山,李菲菲(55)                         |
| 不同整形方式对赤霞珠霜霉病和炭疽病的影响 .....                                     | 张振文,华玉波,张军贤(61)                             |
| 几种杀虫剂对苹果绵蚜的田间药效比较 .....                                        | 宁殿林,白 伟,陈 浩,申 丽,王新茹(66)                     |
| 气相色谱法检测卷心菜中啉虫脒和吡虫啉残留 .....                                     | 李广领,姜金庆,王自良,陈锡岭,张会英,闫慧慧,于文霞(71)             |
| 3 种黑杨无性系耐氮瘠薄能力的差异 .....                                        | 田东梅,孙敬茹,张 曦,苏晓华,沈应楠(75)                     |
| 尖柿果实采后电学特性和品质指标的关系 .....                                       | 邵晓蕾,黄 森,于春阳,李腾飞,张继澍,沈江洁(80)                 |
| 水分胁迫对金叶榆含水量、细胞质膜相对透性和抗氧化系统的影响 .....                            | 史宝胜,刘冬云,张晓磊,黄印冉,张均营(88)                     |
| 梨渣可溶性膳食纤维的提取及抗氧化特性 .....                                       | 唐孝青,焦凌霄,樊明涛,张培培(93)                         |
| 硫素对设施水培大蒜生长发育及品质的影响 .....                                      | 刘中良,刘世琦,张自坤(99)                             |
| 番茄品质性状的多元统计分析 .....                                            | 王晓静,梁 燕,徐加新,孙亚东,闫见敏(103)                    |
| 菊花花青素的粗提及其对 DPPH $\cdot$ 的清除作用 .....                           | 王少朋,刘海英,杨晓翠,彭会贞,杨振江,张东玲(109)                |
| 黄土丘陵区不同植被恢复模式土壤养分效应 .....                                      | 张 杨,梁爱华,王平平,杨改河,张笑培(114)                    |
| 钾肥基施与叶面喷施对烤烟含钾量的影响 .....                                       | 胡文智,王 晴,苗慧莹,余世洲,王胜男,廖允成(119)                |
| 长期施用化肥或不同有机物对垆土土壤物理性质的影响 .....                                 | 史银光,李 花,李平儒,李志军,张树兰(124)                    |
| 芦荟黄酮在聚酰胺树脂上的吸附特性 .....                                         | 杨武英,黎冬明,吴磊燕,杨 勇(131)                        |
| 陆地棉隐性核雄性不育系抗 A2 与抗 A3 的杂优利用 .....                              | 景忆莲,刘耀斌,田志诚,冀 炜(135)                        |
| 15 种糜子壳粉的多酚类化合物的抗氧化活性 .....                                    | 臧 盛,杨联芝,王 敏,程炳文,李海萍(139)                    |
| 渗透胁迫下硝酸钾对烟草脯氨酸代谢途径的影响 .....                                    | 曹 芳,魏永胜(144)                                |
| 绿肥种植模式对连作棉田土壤肥力及棉花产量的影响 .....                                  | 李银平,徐文修,陈 冰,侯松山,韩晶磊,侯 猛,陈雅欢(149)            |
| 盐碱地改良措施对盐荒地土壤盐分及油菜产量的影响 .....                                  | 樊丽琴,杨建国(154)                                |
| 苹果果实发育及成熟软化过程中 LOX 的活性特点 .....                                 | 张莹莹,任小林,王雷存,李 猛(159)                        |
| 沼液与氮肥不同配比对青贮玉米干物质积累量和土壤肥力指标的影响 .....                           | 王永翠,曹社会,初 雷,路 阳,张冯峰,侯金星(163)                |
| 瑞拉菌素发酵液对丹参和黄芩种子萌发和幼苗生长的影响 .....                                | 王 磊,张玲玲,慕小倩,安德荣(168)                        |
| Cu-Ce-O/ $\gamma$ - $Al_2O_3$ 催化剂的制备及 CWPO 法处理酸性大红-3R 废水 ..... | 陆 磊,冯贵颖,郭文姬,王燕洁,呼世斌(173)                    |
| 文冠果地理分布和生物生态学特性 .....                                          | 万群芳,何景峰,张文辉(179)                            |
| 辣椒 EST-SSR 信息分析及标记开发 .....                                     | 张 宇,张晓芬,陈 斌,耿三省,李焕秀,李 珍(186)                |
| 陕南地区高 EGCG 茶树资源筛选 .....                                        | 蒋 堃,肖 斌,余有本,冉隆贵,冯 雪,王 震,伍 丽(193)            |
| 两个郁金香品种不同等级种球繁殖研究 .....                                        | 黄晓亮,牛立新,张延龙(198)                            |
| 不同基因型甘薯愈伤组织诱导及植株再生 .....                                       | 周志林,唐 君,张允刚,赵冬兰(203)                        |

CONTENTS

|                                                                                                                                                                            |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Effect of Exogenous rhCNTF on Myogenic Differentiation of Adult Human Myoblast in vitro and Signal Mechanism .....                                                         | GE Xin, <i>et al.</i> (1)            |
| Analysis of Single Nucleotide Polymorphism of <i>BMPR-IB</i> Gene in Sheep .....                                                                                           | YANG Hua, <i>et al.</i> (7)          |
| Effect of Flavonoids on High-intensity Endurance Training Rats .....                                                                                                       | LIU Weiguo, <i>et al.</i> (12)       |
| Cloning and Expression Analysis of <i>Myf-6</i> Gene of Carp ( <i>Cyprinus carpio</i> ) .....                                                                              | LIN Yaqiu, <i>et al.</i> (16)        |
| Characterization of Macrophage Culture and Optimization of Electric-mediated Transfection .....                                                                            | SONG Yongli, <i>et al.</i> (21)      |
| Construction of <i>hHT/GFP</i> Fusion Gene Expression Vector and Expression in Mouse Fibroblast .....                                                                      | GUO Zhanjun, <i>et al.</i> (25)      |
| Detection of <i>Clostridium perfringens</i> $\alpha$ -toxin and <i>Staphylococcus aureus</i> Enterotoxin A in Dairy with Double PCR Technique .....                        | ZHANG Man, <i>et al.</i> (29)        |
| Preparation and Test of Newcastle Disease Vaccine Nanoemulsion .....                                                                                                       | CHEN Jianmin, <i>et al.</i> (34)     |
| Detection and Sequence Analysis of Potato Spindle Tuber Viroid in Urumqi .....                                                                                             | DONG Daixing, <i>et al.</i> (38)     |
| Preparation of <i>Trichoderma viride</i> L24 Conidia Wettable Powder .....                                                                                                 | YANG Chunping, <i>et al.</i> (43)    |
| Effects of Antimicrobial Actinomycetes on Growth and PPO Activity in Cucumber .....                                                                                        | DUAN Chunmei, <i>et al.</i> (48)     |
| Control of Apple Superficial Scald on Red Fuji with 1-methylcyclopropene Treatment .....                                                                                   | SUO Jiangtao, <i>et al.</i> (55)     |
| Effects of Various Training Systems of Cabernet Sauvignon on Downy Mildew and Anthracnose .....                                                                            | ZHANG Zhenwen, <i>et al.</i> (61)    |
| Comparison of Field Efficacy of Several Pesticides Controlling Woolly Apple Aphid .....                                                                                    | NING Dianlin, <i>et al.</i> (66)     |
| Determination of Acetamiprid and Imidacloprid Residue in Cabbage by Gas Chromatography .....                                                                               | LI Guangling, <i>et al.</i> (71)     |
| Different Growing Abilities in Nitrogen-Deficient Soil of Three <i>Populus deltoides</i> Clones .....                                                                      | TIAN Dongmei, <i>et al.</i> (75)     |
| Relationship Between Electrical Parameters and Quality Indexes of Postharvest Persimmon Fruit .....                                                                        | SHAO Xiaolei, <i>et al.</i> (80)     |
| Effects of Water Stress on Water Content, Relative Membrane Permeability and Activity of Antioxidant Enzymes of Chinese Golden Leaf Elm .....                              | SHI Baosheng, <i>et al.</i> (88)     |
| Extraction and Antioxidant Properties of Soluble Dietary Fiber from Pear Residue .....                                                                                     | TANG Xiaoping, <i>et al.</i> (93)    |
| Effects of Sulfur Content in Solution Culture on Growth and Nutrition Quality of Garlic .....                                                                              | LIU Zhongliang, <i>et al.</i> (99)   |
| Multiple Statistics Analysis of the Quality Traits of Tomato ( <i>Solanum lycopersicum</i> L.) .....                                                                       | WANG Xiaojing, <i>et al.</i> (103)   |
| Crude Extraction and Scavenging Activity against DPPH • Free Radical of Anthocyanin from Chrysanthemum .....                                                               | WANG Shaopeng, <i>et al.</i> (109)   |
| Effect of Different Vegetation Restoration Models on Soil Fertility in Zhifanggou Watershed in Gully Region of Loess Region .....                                          | ZHANG Yang, <i>et al.</i> (114)      |
| Effect of Basal and Foliar Applications of Potassium Fertilizer on Flue-cured Tobacco Leaves .....                                                                         | HU Wenzhi, <i>et al.</i> (119)       |
| Effects of Long-term Application of Different Organic Manure or Chemical Fertilizer on Physical Properties of Lou Soil .....                                               | SHI Yinguang, <i>et al.</i> (124)    |
| Adsorption Performance of Polyamide Resin for <i>Aloe</i> Flavonoids .....                                                                                                 | YANG Wuying, <i>et al.</i> (131)     |
| Heterosis Utilization of Recessive Nuclear Male Sterile Line Kang A2 and Kang A3 in Upland Cotton .....                                                                    | JING Yilian, <i>et al.</i> (135)     |
| Antioxidant Activity, Phenolic Compounds Content of Fifteen Strains of Proso Millet Pericarp .....                                                                         | ZANG Sheng, <i>et al.</i> (139)      |
| Effect of Potassium Nitrate on Proline Metabolism in Tobacco ( <i>Nicotiana tabacum</i> L.) under Osmotic Stress .....                                                     | CAO Fang, <i>et al.</i> (144)        |
| Effect of Different Planting Patterns of Green Manures on Soil Fertility and Cotton Yield .....                                                                            | LI Yinping, <i>et al.</i> (149)      |
| Effect of Improved Measures on Soil Salt and Oil Sunflower Yield in Salt Wasteland .....                                                                                   | FAN Liqin, <i>et al.</i> (154)       |
| Lipoxygenase Activity Changes During Development, Ripening and Softening of Apple Fruit .....                                                                              | ZHANG Yingying, <i>et al.</i> (159)  |
| Effects of Different Proportion of Biogas Slurry and Nitrogen Fertilizer Application on Dry Matter Accumulation of Silage Maize and Soil Fertility .....                   | WANG Yongcui, <i>et al.</i> (163)    |
| Effects of Zuelacmycin Fermentation Solution on Seed Germination and Seedling Growth of Two <i>Salvia miltiorrhiza</i> Bge and <i>Scutellaria baicalensis</i> Georgi ..... | WANG Lei, <i>et al.</i> (168)        |
| Preparation of Cu-Ce-O/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst and Acid Scarlet-3R Wastewater Treatment by CWPO .....                                           | LU Lei, <i>et al.</i> (173)          |
| Distribution and Bio-ecological Characteristics of <i>Xanthoceras sorbifolia</i> .....                                                                                     | WAN Qunfang, <i>et al.</i> (179)     |
| Information and Exploitation of EST-SSRs Loci in Pepper ( <i>Capsicum annum</i> ) .....                                                                                    | ZHANG Yu, <i>et al.</i> (186)        |
| Screening Specific Tea Plant Resources with High Epigallocatechin Gallate Content .....                                                                                    | JIANG Kun, <i>et al.</i> (193)       |
| Propagation Study of Different Grade Bulbs in Two Varieties of <i>Tulipa gesneriana</i> .....                                                                              | HUANG Xiaoliang, <i>et al.</i> (198) |
| Induction of the Callus and Plantlet Regeneration of Sweetpotato with Different Genotypes .....                                                                            | ZHOU Zhilin, <i>et al.</i> (203)     |