

西北植物学报

(Xibei Zhiwu Xuebao, 1980 年创刊)

2010 年 10 月 第 30 卷 第 10 期

目 次

· 研究报告 ·

- 辣椒核质互作雄性不育系线粒体不育基因 *Cox II* 和 *atp6* 的克隆与序列分析 邓明华, 邹学校, 霍金龙, 文锦芬, 朱海山, 张竹青, 赵凯 (1935)
- 辣椒多聚半乳糖醛酸酶基因 *CaPG* 的克隆与序列分析 陈儒钢, 杨瑞平, 巩振辉, 李大伟, SHA Hjahan (1941)
- 不结球白菜雄蕊心皮化雄性不育系 HGMSⅡ 特性研究 张彦锋, 王学芳, 张新, 田华丽, 王俊生, 郭霭光, 李殿荣 (1946)
- 苹果元帅系和富士系芽变品种的 IRAP 鉴定 孙俊, 周军永, 孙其宝, 王昆 (1952)
- 玉米幼苗根不同区段中 ZmPIPs 对短期水分胁迫及复水的转录响应 王卫锋, 张岁岐, 柴玉琳, 刘镜波 (1959)
- 花生体胚诱导再生体系及基因枪转化条件的初步探讨 桂大萍, 张月婷, 文奇根, 晏立英, 廖伯寿 (1966)
- 小麦籽粒淀粉分支酶遗传多样性及对支链淀粉含量的影响 赵法茂, 齐霞, 肖军, 李运祥, 王宪泽 (1971)
- 伞形花科 5 种主要蔬菜作物的核型分析 赵冬, 颜志明, 张蜀宁, 李俊星, 刘惠吉 (1978)
- 荒漠珍稀灌木半日花繁殖生物学特性研究 高婷婷, 李清河, 徐军, 辛智鸣, 褚建民 (1982)
- 6 种豆科牧草叶片解剖性状与抗旱性关系研究 李鸿雁, 李志勇, 师文贵, 李兴酉, 刘磊 (1989)
- 糯性和非糯性小麦灌浆期胚乳直/支链淀粉积累及其相关酶活性研究 曹颖妮, 胡卫国, 王根平, 刘录祥, 王成社 (1995)
- 碰伤富士苹果果实内源茉莉酸和主要保护酶活性的变化 马海军, 郑彩霞, 李猛, 张继澍 (2002)
- NaCl 与干旱胁迫对银沙槐幼苗渗透调节物质含量的影响 庄伟伟, 李进, 曹满航, 冯文娟, 李茵萍 (2010)
- 植物源诱导剂对甜瓜叶片防卫酶活性的影响 陈年来, 乃小英, 张玉鑫, 乔昌萍, 张建农, 李喜娥 (2016)
- 香蕉一个Ⅲ类酸性几丁质酶基因与果实成熟关系的研究(英文) 刘菊华, 徐碧玉, 张建斌, 贾彩红, 金志强 (2022)
- 外源一氧化氮对香蕉幼苗抗冷性的影响 汤红玲, 李江, 陈惠萍 (2028)
- ^{60}Co γ 射线辐照对鲜食核桃萌芽及相关生理指标的影响 马艳萍, 王国梁, 刘兴华, 李英超 (2034)
- 施氮对不同品种冬小麦氮素累积和运转的影响 柴彦君, 熊又升, 黄丽, 袁家富, 徐祥玉, 刘晔 (2040)
- 5-氨基乙酰丙酸对辣椒植株低温胁迫伤害的缓解效应 刘涛, 郭世荣, 徐刚, 高文瑞, 李德翠, 王虹 (2047)
- 低温胁迫下菠萝幼苗生长与生理特性变化 陆新华, 孙德权, 叶春海, 李映志, 孙光明 (2054)
- 板栗雄穗分化期内源激素的动态变化特征 郭成圆, 魏安智, 吕平会, 何佳林 (2061)
- 3 种石斛光合作用和叶绿素荧光特性的比较研究 沈宗根, 陈翠琴, 王岚岚, 姜波, 吕洪飞 (2067)

不同光周期处理对菊花 C029 花芽分化及开花的影响	毛洪玉,顾钊宇,祝朋芳	(2074)
营养液 pH 值对非洲菊生长和生理特征的影响	孟庆玲,程智慧,徐 鹏,梁 静	(2081)
石羊河下游盐渍化弃耕地植被演替特征分析	李治元,李昌龙,王多泽,郭树江	(2087)
九连山亚热带常绿阔叶林群落特征研究	何 俊,赵秀海,范 娟,张自斌,廖承开	(2093)
油松菌根根际放线菌的分离与鉴定	赵晓锋,唐 明	(2103)
陕北野生甘草内生菌的分离及抑菌活性筛选	刘 霞,党峰峰,贺晓龙,董腊梅	(2110)
加拿大蓬挥发油化感作用及其释放途径的研究	杨 莉,王春雨,王 蔚,韩 梅,杨利民	(2116)
黄芪和党参提取物的抗氧化活性研究	段琦梅,梁宗锁,聂小妮,孙文翠,安 超	(2123)
· 植物新类群与新分布 ·		
柳叶藓科 2 个中国新记录种	买买提明·苏来曼,刘 情,王幼芳	(2128)
贵州蕨类植物一新记录种——鳞蕗蕨	孙庆文,赵俊华,潘炉台	(2132)
· 研究综述与论坛 ·		
植物细胞 Ca^{2+} 荧光蛋白指示剂研究进展	王 强,张国增	(2134)
自体吞噬在植物生长发育中的功能	刘志鹏,张吉宇,王彦荣	(2141)
· 补 白 ·		
《西北植物学报》论文写作要求		(1945)
酶活性的浓度单位		(1958)
《西北植物学报》投稿须知		(1988)
科技论文正体和斜体的书写规范		(2122)
期刊评价指标解释		(2150)

[期刊基本参数] CN 61—1091/Q * 1980 * m * A4 * 215 * zh * P * ¥35.00 * 1500 * 34 * 2010-10

ACTA BOTANICA BOREALI-OCCIDENTALIA SINICA

October 2010 Vol. 30 No. 10

(Started publication in 1980)

CONTENTS

- Clone and Sequence Analysis of the Specific Mitochondrial Genes *CoxII* and *atp6* Related to Cytoplasmic Male Sterile in Pepper DENG Ming-hua, ZOU Xue-xiao, HUO Jin-long, WEN Jin-fen, ZHU Hai-shan, ZHANG Zhu-qing, ZHAO Kai (1935)
- Cloning and Sequence Analysis of the Polygalacturonase Gene *CaPG* in Pepper CHEN Ru-gang, YANG Rui-ping, GONG Zhen-hui, LI Da-wei, SHA Hjahan (1941)
- Characters of Stamen Carpelloid Male Sterile Line HGMS II of Non-heading Chinese Cabbage ZHANG Yan-feng, WANG Xue-fang, ZHANG Xin, TIAN Hua-li, WANG Jun-sheng, GUO Ai-guang, LI Dian-rong (1946)
- IRAP Identification of Apple Red Delicious and Fuji Bud Sport Clones SUN Jun, ZHOU Jun-yong, SUN Qi-bao, WANG Kun (1952)
- Transcription Regulation of ZmPIPs in Different Young Maize Root Zones Responses to Short Term Water Stress and Rewater WANG Wei-feng, ZHANG Sui-qi, CHAI Yu-lin, LIU Jing-bo (1959)
- Peanut Somatic Embryogenesis and Genetic Transformation via Microprojectile Bombardment GUI Da-ping, ZHANG Yue-ting, WEN Qi-gen, YAN Li-ying, LIAO Bo-shou (1966)
- Genetic Polymorphism of Starch Branching Enzyme and Its Contribution to Amylopectin Content in Wheat Grain ZHAO Fa-mao, QI Xia, XIAO Jun, LI Yun-xiang, WANG Xian-ze (1971)
- Karyotype Analysis of Main Umbelliferous Vegetables ZHAO Dong, YAN Zhi-ming, ZHANG Shu-ning, LI Jun-xing, LIU Hui-ji (1978)
- Sexual Reproduction System Characteristics of Rare Eremophyte *Helianthemum soongoricum* GAO Ting-ting, LI Qing-he, XU Jun, XIN Zhi-ming, CHU Jian-min (1982)
- Leaf Anatomic Indexes and the Relations with Drought Resistance of the Six Forage of Leguminosae LI Hong-yan, LI Zhi-yong, SHI Wen-gui, LI Xing-you, LIU Lei (1989)
- Dynamic Changes of Starch Accumulation and Enzymes Relating to Starch Biosynthesis of Kernel during Grain Filling in Waxy and Non-waxy Winter Wheat CAO Ying-ni, HU Wei-guo, WANG Gen-ping, LIU Lu-xiang, WANG Cheng-she (1995)
- Response of Endogenous Jasmonic Acid and Activities of Protective Enzymes in Impact Bruising Fuji Apples within 48 Hours MA Hai-jun, ZHENG Cai-xia, LI Meng, ZHANG Ji-shu (2002)
- Changes of Osmotic Adjusting Substances in Leaves of *Ammodendron argenteum* Seedlings under Salt and Drought Stress ZHUANG Wei-wei, LI Jin, CAO Man-hang, FENG Wen-juan, LI Yin-ping (2010)
- Effects of Plant-derived Inducers on Defensive Enzyme Activities of Melon Leaves CHEN Nian-lai, NAI Xiao-ying, ZHANG Yu-xin, QIAO Chang-ping, ZHANG Jian-nong, LI Xi-e (2016)
- A Class III Acidic Chitinase Gene Was Closely Correlated with Postharvest Banana Fruit Ripening LIU Ju-hua, XU Bi-yu, ZHANG Jian-bin, JIA Cai-hong, JIN Zhi-qiang (2022)
- Effects of Exogenous Nitric Oxide on Chilling-Resistance of Banana Seedlings TANG Hong-ling, LI Jiang, CHEN Hui-ping (2028)
- Germination and Sprouting Physiology of Fresh Walnut Irradiated by ^{60}Co γ Ray

- MA Yan-ping, WANG Guo-liang, LIU Xing-hua, LI Ying-chao (2034)
Effects of Nitrogen Application on Nitrogen Accumulation, Distribution and Translocation of Different Winter Wheat Varieties
- CHAI Yan-jun, XIONG You-sheng, HUANG Li, YUAN Jia-fu, XU Xiang-yu, LIU Ye (2040)
Mitigative Effect of 5-aminolevulinic Acid in Pepper under Low Temperature Stress
- LIU Tao, GUO Shi-rong, XU Gang, GAO Wen-rui, LI De-cui, WANG Hong (2047)
Growth, Physiological Characteristics and Evaluation of Cold Tolerance of Pineapple Seedlings under Low Temperature Stress
- LU Xin-hua, SUN De-quan, YE Chun-hai, LI Ying-zhi, SUN Guang-ming (2054)
Changes of Endogenous Hormones during the Younger Shoot Differentiation of Chestnut
- GUO Cheng-yuan, WEI An-zhi, LÜ Ping-hui, HE Jia-lin (2061)
Photosynthesis and Chlorophyll Fluorescence Characteristics of Three *Dendrobium* Species
- SHEN Zong-gen, CHEN Cui-qin, WANG Lan-lan, JIANG Bo, LÜ Hong-fei (2067)
Effects of Different Photoperiods on Floral Bud Differentiation and Flowering of Chrysanthemum ‘C029’
- MAO Hong-yu, GU Zhao-yu, ZHU Peng-fang (2074)
Effects of Nutrient Solution pH Value on Growth and Physiological Characteristics of *Gerbera jamesonii* Bolus
- MENG Qing-ling, CHENG Zhi-hui, XU Peng, LIANG Jing (2081)
Characteristics of Vegetation Succession on Salinized Abandoned Fields in Lower Reaches of Shiyang River
- LI Zhi-yuan, LI Chang-long, WANG Duo-ze, GUO Shu-jiang (2087)
Characteristics of a Subtropical Evergreen Broad-leaved Forest Community in Jiulianshan
- HE Jun, ZHAO Xiu-hai, FAN Juan, ZHANG Zi-bin, LIAO Cheng-kai (2093)
Isolation and Identification of Actinomycetes from the Mycorrhizosphere of *Pinus tabulaeformis*
- ZHAO Xiao-feng, TANG Ming (2103)
Isolation of Endophyte from Wild Liquorice in North Shaanxi and Screening of Their Antifungal Activity
- LIU Xia, DANG Feng-feng, HE Xiao-long, DONG La-mei (2110)
Allelopathy of Volatile from *Erigeron canadensis* L. and Its Releasing Modes
- YANG Li, WANG Chun-yu, WANG Han, HAN Mei, YANG Li-min (2116)
Antioxidant Activity Detection of *Astragalus membranaceus* and *Codonopsis pilosula* Ethanol Extracts by DPPH Method
- DUAN Qi-mei, LIANG Zong-suo, NIE Xiao-ni, SUN Wen-cui, AN Chao (2123)
Two New Recorded Species of Amblystegiaceae (Muscini) from China
- SULAYMAN Mamtimin, LIU Qian, WANG You-fang (2128)
Mecodium levingei—A New Record of Pteridophytes in Guizhou Province
- SUN Qing-wen, ZHAO Jun-hua, PAN Lu-tai (2132)
Research Progresses on Ca^{2+} Fluorescent Protein Indicators of Plant Cell WANG Qiang, ZHANG Guo-zeng (2134)
Functions of Autophagy in Plant Growth and Development LIU Zhi-peng, ZHANG Ji-yu, WANG Yan-rong (2141)