

中国科技核心期刊  
中国中文核心期刊  
RCCSE中国核心学术期刊

ISSN 1005-3395  
CN 44-1374/Q  
CODEN RYZXFC

# 热带亚热带植物学报

## JOURNAL OF TROPICAL AND SUBTROPICAL BOTANY

第27卷 第2期 2019

Vol. 27 No. 2



小叶买麻藤 [*Gnetum parvifolium* (Warb.) C. Y. Cheng ex Chun]

ISSN 1005-3395



中国科学院华南植物园 主办  
广东省植物学会

科学出版社 出版  
Science Press

# 热带亚热带植物学报

(Redai Yaredai Zhiwu Xuebao)

第 27 卷 第 2 期 2019 年 3 月

## 目 次

### 植物生态与资源管理

- 木麻黄和桉木离体根瘤和立地土壤的固氮酶与  $N_2O$  还原酶活性的研究 .....  
.....马莹玲, 朱思佳, 曾思如, 马红亮, 尹云锋, 杨柳明, 高人 (121)
- 井冈山鹿角杜鹃群落灌木层植物叶功能性状对海拔梯度的响应.....  
.....向琳, 陈芳清, 耿梦娅, 王玉兵, 吕坤, 杨世林 (129)

### 植物生理与分子生物学

- 硅对低温胁迫后檀香紫檀苗木生长和光合生理的影响.....  
.....徐呈祥, 马艳萍, 旦书艳, 邹燕, 陈玉林, 余顺敏 (139)
- 盐胁迫对 4 个水稻种质抗逆性生理的影响 .....  
.....王旭明, 麦绮君, 周鸿凯, 赵夏夏, 陈景阳, 龚茂健, 杨善, 谢平, 莫俊杰, 叶昌辉 (149)
- 海刀豆的抗逆生理生化特征分析 ..... 黄静, 刘楠, 任海, 简曙光 (157)
- 5-氨基乙酰丙酸对喜树幼苗盐害缓解的生理机制研究 ..... 孟长军, 杜喜春, 张旸 (164)

### 植物系统学与生物地理学

- 江西庐山国家级自然保护区珍稀濒危植物优先保护定量研究.....  
.....万加武, 夏海林, 周赛霞, 张丽, 彭焱松 (171)
- 车桑子小孢子发生与雄配子体发育 ..... 卢雪佳, 刘方炎, 高成杰, 李昆 (181)
- 寄主植物的功能性状对桑寄生寄主专一性的影响初探..... 李远杰, 张玲 (187)

### 植物化学与化学生物学

- 国产绿奇楠沉香的化学成分研究 .....李薇, 梅文莉, 董文化, 蔡彩虹, 盖翠娟, 戴好富 (196)
- 走马胎中大叶紫金牛酚的分离鉴定与生物活性评价 .....陈锦兰, 吴浩祥, 胡锐红, 肖文静, 袁捷 (203)
- LC-MS 导向分离山壳骨中主成分及其生物活性研究 ..... 吴浩祥, 袁捷, 肖文静, 陈锦兰 (208)
- 降香檀叶的非黄酮类成分研究 ..... 吕玲, 李威霆, 谢海辉 (213)
- 人工诱导海南龙血竭的化学成分研究 .....杨宁, 王辉, 刘寿柏, 王昊, 陈惠琴, 戴好富, 梅文莉 (219)

### 研究进展

- PPR 蛋白在植物生长发育中的作用 ..... 王婉珍, 任育军, 缪颖 (225)

期刊基本参数: CN 44-1374/Q \*1993 \* b \* A4 \* 114 \* zh \* P \* ¥35.00 \* 700 \* 15 \* 2019 \* 03

封面照片示小叶买麻藤(易绮斐摄), 简介见封二

# JOURNAL OF TROPICAL AND SUBTROPICAL BOTANY

Vol. 27 No. 2 March 2019

## CONTENTS

- Nitrogenase and N<sub>2</sub>O Reductase Activities of Detached Nodules and Site Soils of *Casuarina cunninghamiana* and *Alnus trabeculosa* .....  
MA Ying-ling, ZHU Si-jia, ZENG Si-ru, MA Hong-liang, YIN Yun-feng, YANG Liu-ming, GAO Ren (121)
- Response of Leaf Functional Traits of Shrubs to Altitude in *Rhododendron latoucheae* Communities in Mt. Jinggangshan, Jiangxi, China .....  
.....XIANG Lin, CHEN Fang-qing, GENG Meng-ya, WANG Yu-bing, LÜ Kun, YANG Shi-lin (129)
- Effects of Silicon on Growth and Photosynthetic Physiology of Red Sandalwood Seedlings after Cold Stress .....  
.....XU Cheng-xiang, MA Yan-ping, DAN Shu-yan, ZOU Yan, CHEN Yu-ling, YU Shun-min (139)
- Effects of Salt Stress on Resistance Physiology of Four Rice Germplasms .....  
.....WANG Xu-ming, MAI Qi-jun, ZHOU Hong-kai, ZHAO Xia-xia, CHENG Jing-yan, GONG Mao-jian, YANG Shan, XIE Ping, MO Jun-jie, YE Chang-hui (149)
- Physiology and Biochemical Characteristics of *Canavalia maritima* under Stress .....  
.....HUANG Jing, LIU Nan, REN Hai, JIAN Shu-guang (157)
- Study on Physiological Mechanism of Alleviating Effect of 5-Aminolevulinic Acid on *Camptotheca acuminata* Seedlings under Salt Stress .....  
.....MENG Chang-jun, DU Xi-chun, ZHANG Yang (164)
- Quantitative Study on Conservation Priority of Rare and Endangered Plants in Lushan National Nature Reserve, Jiangxi .....  
.....WAN Jia-wu, XIA Hai-lin, ZHOU Sai-xia, ZHANG Li, PENG Yan-song (171)
- Microsporogenesis and Male Gametophyte Development of *Dodonaea viscosa* .....  
.....LU Xue-jia, LIU Fang-yan, GAO Cheng-jie, LI Kun (181)
- Preliminary Studies on Effects of Host Functional Traits on Host Specificity of Mistletoe Species .....  
.....LI Yuan-jie, ZHANG Ling (187)
- Study on Chemical Constituents of Chinese Agarwood ‘Qi-Nan’ .....  
.....LI Wei, MEI Wen-li, DONG Wen-hua, CAI Cai-hong, GAI Cui-juan, DAI Hao-fu (196)
- Isolation, Identification and Biological Evaluation of Gigantifolinol from *Ardisia gigantifolia* .....  
.....CHEN Jin-lan, WU Hao-xiang, HU Rui-hong, XIAO Wen-jing, YUAN Jie (203)
- LC-MS Guided Isolation of Chemical Constituents from *Pseuderanthemum latifolium* and Their Biological Activities .....  
.....WU Hao-xiang, YUAN Jie, XIAO Wen-jing, CHEN Jin-lan (208)
- Non-flavonoid Constituents from the Leaves of *Dalbergia odorifera* .....  
.....LÜ Ling, LI Wei-ting, XIE Hai-hui (213)
- Chemical Constituents from Artificially Induced Dragon’s Blood of *Dracaena cambodiana* .....  
.....YANG Ning, WANG Hui, LIU Shou-bai, WANG Hao, CHEN Hui-qin, DAI Hao-fu, MEI Wen-li (219)
- Roles of PPR Proteins in Plant Growth and Development .....  
.....WANG Wan-zhen, REN Yu-jun, MIAO Ying (225)