

ISSN 1001-1498
CN11-1221/S
CODEN LKYAEB

林业科学研究

FOREST RESEARCH

Vol. 32 No. 6

林业科学研究

第三十二卷

第六期

二〇一九年十二月

6



中国林业科学研究院 CHINESE ACADEMY OF FORESTRY

2019

万方数据

目 次

不同品种核桃叶片含水量与高光谱反射率的相关性差异分析	潘庆梅,张劲松,张俊佩,等(1)
长期施氮与灌溉对毛白杨人工林土壤硝态氮分布与积累的影响	张润哲,朱嘉磊,王 江,等(7)
中华紫胶虫 <i>FAD</i> 基因 RNA 干扰载体构建与功能初步分析	王伟伟,凌晓霏,陆 沁,等(14)
新疆野苹果林中疫霉菌种类鉴定及致病性研究	程 元,赵文霞,哈米提,等(21)
毛竹比叶质量时空变化及对截雨干旱的响应	曹永慧,周本智,葛晓改,等(31)
华北落叶松人工林生长对抚育间伐的响应及其与土壤因子的关系	商添雄,韩海荣,程小琴,等(40)
鄂中地区马尾松人工林群落演替特征研究	戴 冬,彭楚才,黄 鑫,等(48)
施氮水平对核桃细根呼吸速率及相关酶活性的影响	李春萍,王世伟,丁俊杰,等(56)
不同氮素供给水平对 84K 杨幼苗碳氮代谢的影响	刘奇峰,李卓蓉,吴江婷,等(63)
榿树种内 C、N、P 生态化学计量特征研究	原雅楠,李正才,王 斌,等(73)
甲基磺酸甲醛(MMS)处理对太白杨抗锈性的影响	PHONGSAVATH Sithixay,沈阔程,余仲东,等(80)
新疆天山云杉林群落分布格局及环境解释	刘梦婷,王振锡,王雅佩,等(90)
桉树 <i>PAL</i> 基因克隆及焦枯病菌诱导下的表达分析	叶小真,杨 婕,冯丽贞,等(99)
梓树 6 个种源耐盐性差异的生物测定	李 媛,李志辉,苗晓娟,等(106)
杜仲胶颗粒提取纯化及胶颗粒显微观察研究	杨正伟,秦利军,赵德刚(115)
薄壳山核桃果实发育后期油脂和矿质养分动态变化分析	常 君,任华东,姚小华,等(122)
综述	
碳氢氧稳定同位素在草地生态系统水循环研究中的应用	徐 庆,王 婷,高德强(130)
研究简报	
高节竹笋出土后外观、营养和食味品质的时序变化	时俊帅,章 超,陈双林,等(137)
馥郁滇丁香‘香妃’成花过程的主要内源物质变化特点	万友名,马 宏,刘雄芳,等(144)

Contents

Analysis of Correlation and Differences between Leaf Moisture and Hyperspectral Reflectance among Different Walnut Varieties	PAN Qing-mei, ZHANG Jin-song, ZHANG Jun-pei, <i>et al</i> (6)
Effects of Long-term Irrigation and Nitrogen Application on Distribution and Accumulation of Soil Nitrate in <i>Populus tomentosa</i> var. <i>tomentosa</i> Plantations	ZHANG Run-zhe, ZHU Jia-lei, WANG Jiang, <i>et al</i> (13)
Construction of RNA Interference Vector and Function Analysis of <i>FAD</i> Gene in <i>Kerria chinensis</i>	WANG Wei-wei, LING Xiao-fei, LU Qin, <i>et al</i> (20)
Identification and Pathogenicity of <i>Phytophthora</i> Species from Wild Apple Forests in Xinjiang, China	CHENG Yuan, ZHAO Wen-xia, Hamiti, <i>et al</i> (30)
Seasonal and Canopy Variation of Leaf Mass Per Area for <i>Phyllostachys edulis</i> Leaves and its Response to Drought Stress	CAO Yong-hui, ZHOU Ben-zhi, GE Xiao-gai, <i>et al</i> (39)
Response of <i>Larix principis-rupprechtii</i> Plantation Growth to Thinning and Its Relationship with Soil Factors	SHANG Tian-xiong, HAN Hai-rong, CHENG Xiao-qin, <i>et al</i> (47)
Community Succession Characteristics of <i>Pinus massoniana</i> Plantation in Central Hubei Province	DAI Dong, PENG Chu-cai, HUANG Xin, <i>et al</i> (55)
Effects of Nitrogen Application Levels on Respiration Rate and Related Enzyme Activity of Walnut Root	LI Chun-ping, WANG Shi-wei, DING Jun-jie, <i>et al</i> (62)
Effects of Nitrogen Supply Levels on Carbon and Nitrogen Metabolism of <i>Populus alba</i> × <i>P. glandulosa</i> Seedlings	LIU Qi-feng, LI Zhuo-rong, WU Jiang-ting, <i>et al</i> (72)
Stoichiometric Characteristics of C, N and P in Different Varieties of <i>Torreya grandis</i>	YUAN Ya-nan, LI Zheng-cai, WANG Bin, <i>et al</i> (79)
Effects of Methyl Methane Sulfonate Treatment on Rust Resistance of <i>Populus purdomii</i>	Sitthixay Phongsavath, SHEN Kuo-cheng, YU Zhong-dong, <i>et al</i> (89)
Plant Communities Pattern of <i>Picea tianschanica</i> Forest and Their Interrelations with Environmental Factors in Tianshan Area	LIU Meng-ting, WANG Zhen-xi, WANG Ya-pei, <i>et al</i> (98)
Cloning of <i>PAL</i> Gene from <i>Eucalyptus</i> and Its Expression under <i>Calonectria pseudoreteauidii</i> Stress	YE Xiao-zhen, YANG Jie, FENG Li-zhen, <i>et al</i> (105)
Bioassay for Salt Tolerance of Six <i>Catalpa ovata</i> Provenances	LI Yuan, LI Zhi-hui, MIAO Xiao-juan, <i>et al</i> (114)
Extraction, Purification and Microscopic Observation of Rubber Particles Extracted from <i>Eucommia ulmoides</i>	YANG Zheng-wei, QIN Li-jun, ZHAO De-gang(121)
Analysis of Dynamic Changes of Oil and Mineral Nutrients in Pecan at the Late Stage of Fruit Development	CHANG Jun, REN Hua-dong, YAO Xiao-hua, <i>et al</i> (129)
Review	
Application of Carbon, Hydrogen and Oxygen Stable Isotope on Hydrologic Cycle of Grassland Ecosystem: A Review	XU Qing, WANG Ting, GAO De-qiang(136)
Scientific Notes	
Temporal Variation of Appearance, Nutrition and Eating Quality of <i>Phyllostachys prominens</i> Shoots after Unearthed	SHI Jun-shuai, ZHANG Chao, CHEN Shuang-lin, <i>et al</i> (143)
Changes of Key Endogenous Substances during Flowering Process in <i>Luculia gratissima</i> ‘Xiangfei’	WAN You-ming, MA Hong, LIU Xiong-fang, <i>et al</i> (150)