

湖北省优秀期刊

全国优秀高校自然科学学报

全国综合性科学技术类核心期刊

ISSN 1000-2375

CODEN HDXZEM

湖北大学学报

自然科学版

JOURNAL OF HUBEI UNIVERSITY
NATURAL SCIENCE

HUBEI DAXUE XUEBAO
ZIRAN KEXUE BAN

第34卷 第2期
Vol.34 No.2

2012
2

物理学与电子技术

- 宇宙加速膨胀的修正引力理论解释 胡永红,毛彩霞(125)
The explanation of the accelerated expansion of the universe by the modified gravitational theory

..... HU Yonghong, MAO Caixia
N型四能级原子介质中古斯-汉欣位移的相干控制 邓文武(129)

Coherent manipulation of the Goos-Hänchen shift in four-level atomic medium DENG Wenwu

小波阈值去噪与岭估计在飞机磁补偿中的应用 张坚,林春生,周建军(134)

Application of wavelet threshold denoising and ridge estimation in aircraft magnetic compensation

..... ZHANG Jian, LIN Chunsheng, ZHOU Jianjun
基于 Mo/SiO₂ 布拉格声反射器的体声波谐振器的制备及其性能分析 谢红,熊娟,杜鹏飞,等(138)

Preparation and performance analysis of bulk acoustic resonator based on Mo/SiO₂ acoustic bragg reflector

..... XIE Hong, XIONG Juan, DU Pengfei, et al
钇铌复合掺杂钛酸锶钡陶瓷的介电和铁电性能研究 陈威,徐玲芳,曹万强(142)

Dielectric and ferroelectric characteristics of Ba_{1-x}Sr_xTiO₃ ceramics co-doped with Y₂O₃ and Nb₂O₅

..... CHEN Wei, XU Lingfang, CAO Wanqiang
KTa_{0.25}Nb_{0.75}O₃ 纳米棒的合成及光催化特性研究 陶毅博,胡永明,周迪,等(146)

Synthesis and photocatalytic property of KTa_{0.25}Nb_{0.75}O₃ nanorods by hydrothermal method

..... TAO Yibo, HU Yongming, ZHOU Di, et al
磁电系数自动化测试系统设计研究 郭浩,郭定和,顾豪爽,等(149)

Design of auto-testing system for the magnetoelectric coefficient

..... GUO Hao, GUO Dinghe, GU Haoshuang, et al

化学与材料科学

- 基于 β -环糊精的共聚物无磷阻垢剂的制备及性能评价 邱凤仙,顾晓仙,郭小瑞,等(154)
Synthesis and performance evaluation of copolymer non-phosphorus scale inhibitor based on β -cyclodextrins

..... QIU Fengxian, GU Xiaoxian, GUO Xiaorui, et al
溴乙烷的催化合成工艺研究 范鹤,鲁新环,牛宗辉,等(158)

The research of catalytic synthesis conditions of ethyl bromide FAN Jing, LU Xinhuan, NIU Zonghui, et al
微波萃取-CE-ICP-AES 联用分析艾纳香中钙的形态 李险峰,邓必阳(161)

Speciation of calcium in blumea balsamifera using microwave extraction and CE-ICP-AES

..... LI Xianfeng, DENG Biyang
固相萃取-液相色谱法分析环境水样中有机磷农药残留 李春民,章承林,陈怀侠(164)

SPE followed by HPLC for the sensitive determination of organic phosphorus pesticides in environmental water LI Chunmin, ZHANG Chenglin, CHEN Huaxia

2012年6月25日出版

目 次

查耳酮基二茂铁衍生物电化学性能及抗氧化活性 代忠旭,高明磊,许登清,等(168)

Electrochemical performance and antioxidation activity of chalcone ferrocene derivants

..... DAI Zhongxu, GAO Minglei, XU Dengqing, et al

新型手性 Brönsted 酸的合成及其在直接不对称 Mannich 反应中的应用 李虎,Pinaki S Bhadury(172)

Synthesis of a new chiral Brönsted acid and its application in direct asymmetric Mannich reaction

..... LI Hu, Pinaki S Bhadury

一种新型八极分子的合成、表征及二阶非线性光学性质研究 邱小云,胡泉源,王世敏,等(176)

Synthesis, characterization and properties of a new octupolar molecule

..... QI Xiaoyun, HU Quanyuan, WANG Shimin, et al

线型聚苯乙烯支载(4S)-噻唑烷-2-硫酮的合成研究 张吉书,何西平,邓晓云,等(180)

Studies on synthesis of non-cross-linked polystyrene supported (4S)-thiazolidine-2-thione

..... ZHANG Jishu, HE Xiping, Deng Xiaoyun, et al

生命科学与医药卫生

人工脂质体染色方法的探究 苏伟,闻文静,王绍华,等(184)

The research on staining of artificial liposomes SU Wei, KAN Wenjing, WANG Shaohua, et al

神农箭竹更新苗生物量龄级分配模型 王玲,孟银萍,赵丽娅,等(188)

Biomass age grade distribution model of *Fargesia murielae* (Gamble) Yi renewed seedlings

..... WANG Ling, MENG Yinpingle, ZHAO Liya, et al

湖北大学校园种子植物区系初步分析 朱亮,付硕章,柯文山,等(193)

Study on seed plant flora in the campus of Hubei University

..... ZHU Liang, FU Shuozhang, KE Wenshan, et al

不同类型水稻群体持绿性的基因型×环境互作分析 李巧丹,胡征德,陈建国(198)

Analysis of genotype-environmental interaction for stay-green in different populations of rice (*Oryza sativa* L.)

..... LI Qiaodan, HU Zhengde, CHEN Jianguo

魔芋在不同土壤环境条件的含硒量 后丹,杨兰芳,余同玲(202)

Selenium content of konjac in different soil environment HOU Dan, YANG Lanfang, YU Tongling

兰菌净防治儿童反复呼吸道感染疗效观察 黄中炎,孙雅琴(208)

The therapeutic effect of Lantigen B on infantile recurrent respiratory tract infection

..... HUANG Zhongyan, SUN Yaqing

数学与计算机科学

$n \times n$ 矩阵环的多项式恒等式 游松发,赵红艳(212)

On a polynomial identity for $n \times n$ matrices YOU Songfa, ZHAO Hongyan

本期执行编辑:赵 燕

CONTENTS

Journal of Hubei University
Natural Science

一类固定系数解析函数的极值点与支撑点	熊良鹏, 刘晓丽(215)
Extreme points and support points of a class of analytic functions with fixed coefficient	XIONG Liangpeng, LIU Xiaoli
一类具常数放养的非线性密度制约和功能反应的捕-食系统的定性分析	冯光庭(218)
Qualitative analysis of a predator-prey system with constant-rate grazing prey species, nonlinear density dependence and functional response	FENG Guangting
具有矩阵伸缩的高维正交周期小波包	毛一波(222)
Multivariate orthogonal periodic wavelet packets with dilation matrix	MAO Yibo
基于对角广义反射矩阵的线性微分系统及其周期解	孙长军(226)
Linear differential system and periodic solution Based on diagonal generalized reflection matrix	SUN Changjun
基于 L-S Lagrange 函数的神经网络方法	彭爱民(231)
A neural network based on L-S Lagrange function	PENG Aimin
求解热传导方程的一族三层隐式差分格式	詹涌强(235)
A class of three-level implicit difference scheme for solving heat-conduction equation	ZHAN Yongqiang
新型遗传算法求解车辆路径问题研究	张瑞峰, 汪同三(239)
New genetic algorithm for vehicle routing problem	ZHANG Ruifeng, WANG Tongsan
地理学与环境科学	
返湾湖国家湿地公园生态旅游资源开发研究	刘小莉, 魏伟, 李中强(243)
The research on the Fanwan Lake National Wetland Park ecological tourism resources development	LIU Xiaoli, WEI Wei, LI Zhongqiang