

TABLE OF CONTENTS

目 录

The Preliminary Study on the Extraction and Function of Volatile Oil from <i>Ledum palustre</i> L. (长白山杜香挥发油提取及功能初步研究)	
Y. F. ZHANG, H. Z. FAN, H. Y. YANG, D. N. WANG, T. WANG, R. J. WANG, J. L. WANG.....	81
Determination of Copper in Tea Samples by Phenylenediamine Modified Carbon Dots (邻苯二胺修饰碳量子点的制备及其对茶叶中痕量铜的分析应用)	
F. H. HUANG, W. W. SUN, M. M. YAN, J. Z. LIU, L. L. ZHANG, B. Q. HU, Q. Y. LI, W. LEI, B. ZHENG, G. Q. XIANG.....	88
Optimization of Identification Model of Adulterated Dairy Products Based on Near Infrared Spectroscopy (基于近红外光谱的掺伪乳制品鉴别模型优化)	
Z. Y. BIAN, R. Y. JIA, Q. Q. GUO, R. CHEN, T. J. LI.....	96
Assessment and Source Approximation of River Pollution in Coal Mining Area: A Case Study from the Huihe River (煤矿区河流污染与来源解析——以浍河为例)	
Z. X. ZHAO, L. H. SUN, H. SUN, Y. LI, X. J. GAO.....	106
Effects of Cu Pollution on Physiological and Biochemical Characteristics of Maize Seedlings (Cu 污染对玉米幼苗生理生化的影响)	
B. W. YUE, X. Z. ZUO, H. J. DOU, X. J. ZHU.....	114
Application of Quaternary Geology in the Construction of Sponge City—Taking Changde City as an Example (论第四纪地质学在海绵城市建设中的应用——以常德市为例)	
Y. R. CHENG, Y. F. FENG, B. F. PENG, Q. LI, X. LIN.....	120
Research Progresses on Controlling Factors of Chemical Constitution and Water Source Identification of Groundwater in Mining Area, Northern Anhui Province (皖北矿区地下水化学组成控制因素及水源识别研究进展)	
K. CHEN, L. H. SUN.....	129
3D Modeling of Geophysical Data Based on MapGIS K9 (基于 MapGIS K9 的物探电法数据三维建模)	
L. L. JIANG.....	137
Construction of Water-Saving Ecological Irrigation Area in the Lower Yellow River (黄河下游引黄节水型生态灌区的构建)	
L. M. ZHENG, J. G. FU, J. T. WANG, D. Q. WANG.....	145

Identification and Diversity Analysis of Contaminant Bacteria in Tissue Culture of *Magnolia sieboldii*
(天女木兰组培污染菌的鉴定及多样性分析)

X. P. ZHENG, W. TANG, J. K. YIN, Y. N. MA, L. CHEN, Y. YANG, R. J. WANG, H. WANG.....153

Soil Development and Characteristic Analysis of Bonan Mountain Nature Reserve in Yunnan Province
(云南博南山自然保护区土壤发育及性状特征分析)

N. N. GAO.....159

A Review of the Relationship between Cooperative Breeding and Climate in Birds
(鸟类合作繁殖和气候之间的关系研究进展)

C. LI.....170

Application of Remote Sensing Technology in Ecological Research
(遥感技术在生态学研究中的应用)

C. X. HAO.....175

Application of Stream Tube Method on Waterflooding Performance
(流管法在水驱动态中的应用研究)

Z. T. XU.....180

Preliminary Study on Intestinal Cytotoxicity of Microcystin-LR
(MC-LR 致肠细胞毒性的初步研究)

K. ROBERT, C. WEN, S. L. ZHENG, Y. ISAAC, L. H. CAO.....186

Reproductive Biology of Cavity-Nesting Birds
(洞穴鸟类的繁殖生物学研究)

X. X. ZENG.....192

Effects of Glyphosate on Growth, Photosynthetic Pigments and Antioxidant Enzyme Systems of *Myriophyllum aquaticum*
(草甘膦对粉绿狐尾藻生长、光合色素和抗氧化酶系统的影响)

H. CAI, Z. H. WU.....197

Application of Submerged Analysis in Risk Assessment of Mountain Torrents (Debris Flows)
(淹没分析在山洪泥石流风险评估中的应用初探)

Y. R. WEN, A. D. HUO, L. LI.....205

Remote Sensing Monitoring and Analysis of Chlorophyll-a Concentration Change in Coastal Waters of Reclamation Project
(围填海工程近岸水体叶绿素 a 浓度变化遥感监测分析)

Y. F. ZHANG, Y. LI.....215

Study on the Meteorological Conditions and Forecasting Model of the Growth of "Chongguo Peach" in Xichong County
(西充县“充国香桃”生长的气象条件及预报模型研究)

X. H. MAO.....225

**Characteristics of the Sinian Dengying Formation Reservoir in Ebianxianfeng Section,
Southwestern Sichuan Basin**

(川西南峨边先锋剖面震旦系灯影组储层特征)

X. M. LIN, X. WANG, L. Q. ZHU.....237

**Variation of Indian Ocean Dipole and Its Effect on Summer Precipitation of China during
Recent Decades**

(近几十年印度洋偶极子变化趋势及其对我国夏季降水的影响)

G. Y. SONG.....247

**Diagnostic Analysis of the Heavy Precipitation in Sichuan and Chongqing Caused by Eastward
Shift of Southwest Vortex**

(一次西南涡东移诱发的川渝暴雨诊断分析)

Z. Y. WANG.....254