

## 目 次

- 基于 BP 神经网络模型的川中丘陵区坡耕地土壤侵蚀预测研究 ..... 朱雪梅, 冯海峰, 林立金, 等(1)  
黑龙江省西部风蚀荒漠化特性与防治技术 ..... 侯淑艳, 朱金兆, 刘建新, 等(6)  
河南省降雨侵蚀力时空变异与不同算法比较研究 ..... 吴明作, 申冲, 杨喜田, 等(10)  
不同耕作措施对黑土坡耕地土壤侵蚀的影响 ..... 宋玥, 张忠学(14)  
铰接式混凝土砌块护坡的设计和效益研究价 ..... 张玉清, 憊永宁, 王铁良, 等(17)  
陕北府谷新田煤矿开发建设生态修复效益动态评价 ..... 陈梓玄, 李占斌, 李鹏(21)  
贵州省强度石漠化区立地分类系统研究 ..... 高华端, 林泽北, 罗婷, 等(26)  
黄土丘陵区果园生态经济耦合评价  
——以燕沟流域为例 ..... 徐勇, 党丽娟, 高雅(30)  
北方农牧交错带县域典型农业生态系统结构的对比演变 ..... 胡兵辉, 廖允成, 王克勤, 等(35)  
伊犁河流域油葵种植地产流产沙试验研究 ..... 史彦江, 宋锋惠, 罗青红, 等(40)  
四川省青川县银溪窝滑坡复活机制研究及稳定性评价 ..... 尤琳, 沈军辉, 彭昌翠, 等(44)  
纸坊沟流域农用地生态经济系统耦合关系研究 ..... 杜娜, 王继军, 杨冰(48)  
江西省赣南地区土地利用动态分析 ..... 张少伟, 杨勤科, 任宗萍, 等(53)  
基于 SWAT 模型的黄土高原典型区水土流失格局模拟评价 ..... 卢爱刚, 索安宁, 张镭(57)  
大渡河松坪滑坡形成机制及稳定性分析 ..... 吴亚子, 傅荣华, 王健, 等(62)  
沂蒙山区典型小流域土壤侵蚀与环境影响因子耦合关系 ..... 李扬, 刘霞, 姚孝友, 等(66)  
退耕还林(草)工程对吴起县农村经济发展的影响 ..... 姚文秀, 王继军(71)  
基于 GIS 技术的土地利用效益评价研究 ..... 吴志伟, 胡远满, 陈文波(75)  
安塞县侯沟门村新农村建设中的水土保持研究 ..... 张强, 许明祥, 郑世清, 等(80)  
通天河国家森林公园锐齿栎群落物种组成及群落结构研究 ..... 刘振学, 任广鑫, 王得祥, 等(86)  
陕北榆神矿区景观变化及其驱动力分析 ..... 钱者东, 蒋明康, 刘鲁君, 等(90)  
东北典型黑土漫岗区切沟侵蚀空间格局分析 ..... 杜国明, 雷国平, 宗晓丹(94)  
晋北地区环境特征及其土地沙化机制研究 ..... 薛占金, 秦作栋, 孟宪文(98)  
黄土丘陵区不同植被群落土壤水分研究 ..... 梁超, 郝文芳, 袁丁(103)  
贺兰山 4 种典型森林类型凋落物持水性能研究 ..... 赵晓春, 刘建军, 任军辉, 等(107)  
基于 MODIS-NDVI 时序数据的黄土丘陵区土地覆盖分类研究 ..... 陆广勇, 杨勤科, 王海江(112)  
基于连续小波变换与分形理论的三江平原灌区地下水埋深序列复杂性研究  
..... 刘东, 张健, 付强(116)  
蒲河重金属污染现状及模糊综合评价 ..... 李延吉, 宋政刚, 李润东, 等(121)  
金沙江干热河谷人工林土壤水分研究 ..... 岳学文, 方海东, 钱坤建, 等(125)  
DEM 水平分辨率对流域特征提取的影响分析 ..... 鲍伟佳, 程先富, 陈旭东(129)  
盘锦双台河口湿地环境影响评价及恢复研究 ..... 芦晓峰, 王铁良, 马秀梅, 等(133)  
鄂尔多斯市水资源承载能力综合评价与分析 ..... 高瑞忠, 李和平, 佟长福, 等(139)  
宁夏中部干旱带人工柠条茎流及蒸腾特征研究 ..... 余峰, 陈林, 王峰, 等(143)  
重庆四面山 4 种人工林地土壤粒径分形特征 ..... 葛东媛, 张洪江, 郑国强, 等(148)  
不同品种滴灌棉花水氮效应差异性比较 ..... 王海江, 崔静, 侯振安, 等(152)

- 科尔沁沙地奈曼地区降水变化特征分析 ..... 刘新平, 何玉惠, 赵学勇, 等(155)  
SiB2 模型在黄灌区的应用探讨 ..... 褚英敏, 袁再健, 刘畅, 等(159)  
资源枯竭型城市土地综合承载力评价研究 ..... 倪超, 雷国平(164)  
林下参根区土壤微生物群落结构的研究 ..... 张亚玉, 孙海, 宋晓霞, 等(169)  
突变地形特征在 DEM 上的表达 ..... 古云鹤, 杨勤科, 罗仪宁, 等(174)  
渭北高原矮化红富士苹果树蒸腾规律及水分供求关系 ..... 周珊珊, 吴发启, 张琛(180)  
云推理模型在贵州省粮食产量预测中的应用 ..... 张和喜, 迟道才, 王群, 等(184)  
海南省土地开发整理工程类型区划分研究 ..... 刘红萍, 李剑峰, 姜炎(188)  
河北省粮食单产区域差异特征演变格局及动因分析 ..... 张路路, 张悦国, 刘瑞卿, 等(192)  
基于生态足迹和灰色关联度的甘肃省可持续发展研究 ..... 宫继萍, 潘竟虎, 石培基(198)  
基于产能理论的耕地整理现实潜力测算方法研究  
——以河北省肃宁县为例 ..... 张慧, 李新旺, 霍习良, 等(202)  
基于土地利用的景观生态质量评价  
——以福建省海坛岛为例 ..... 许洛源, 黄义雄, 叶功富, 等(207)  
浮梁县土地利用变化及驱动力分析 ..... 谢菲, 舒晓波, 廖富强, 等(213)  
红枣滴灌条件下灌水水质对土壤盐分分布的影响研究 ..... 姚宝林, 叶含春, 孙三民, 等(218)  
密度对垄沟覆膜集雨冬小麦产量的影响 ..... 王晓凌, 董普辉(222)  
重庆城乡统筹试验区土地利用平衡研究 ..... 肖铁, 魏朝富, 尹珂(227)  
垄向区田技术参数的区定及对坡耕地大豆产量及水分利用效率的影响 ..... 王孟雪, 张金萍, 张玉先(233)  
基于灰色关联度与 BP 神经网络模型的日参考作物腾发量预测 ..... 武开福(237)  
高原湿地纳帕海 4 种湿地利用类型土壤养分和微生物特征研究 ..... 陆梅, 田昆, 莫剑锋(241)  
基于熵权的建三江分局水资源承载力模糊物元评价模型 ..... 吕萍, 刘东, 赵菲菲(246)  
基于农用地分等和 LESA 方法的基本农田划定 ..... 钱凤魁, 王秋兵(251)  
基于资产负债法的福建省区域可持续能力研究 ..... 李名勇, 晏路明, 杨蕾蕾(256)  
基于生态足迹变化的盐城市麋鹿自然保护区生态补偿定量研究 ..... 杨志平(261)  
银川市景观格局动态变化研究 ..... 白林波, 白明生, 贾科利(265)

期刊基本参数:CN 61-1272/P \* 1985 \* b \* A4 \* 272 \* zh \* P \* ¥25.00 \* 1000 \* 59 \* 2011-4

执行主编 赵丽英

责任编辑 曹晓萍

## Contents

- Research of Soil Erosion Prediction Based on Back Propagation Neural Network Model in the Hilly Region of Central Sichuan ..... ZHU Xue-mei, FENG Hai-feng, LIN Li-jin, et al(1)
- The Characteristics and Control Techniques of Wind-induced Desertification in the West of Heilongjiang Province ..... HOU Shu-yan, ZHU Jin-zhao, LIU Jian-xin, et al(6)
- A Study on Spatial and Temporal Variation of Rainfall Erosivity in Henan Province and Comparison of Its Calculation Methods ..... WU Ming-zuo, SHEN Chong, YANG Xi-tian, et al(10)
- The Effect of Different Tillage Measures on Soil Erosion in Slope Farmland in Black Soil Region ..... SONG Yue, ZHANG Zhong-xue(14)
- Study on Design and Benefit of Joint Concrete Block for Slope Protection ..... ZHANG Yu-qing, MI Yong-ning, WANG Tie-liang, et al(17)
- The Dynamic Benefit Evaluation of Ecological Restoration on Construction Project of Xintian Coal Mine in Northern Shaanxi Province ..... CHEN Zi-xuan, LI Zhan-bin, LI Peng(21)
- A Study on Site Classification System of Serious Rock Desertification Region in Guizhou Province ..... GAO Hua-duan, LIN Ze-bei, LUO Ting, et al(26)
- An Assessment on the Orchard Eco-economy Coupling in the Loess Hilly-gully Region ..... XU Yong, DANG Li-juan, GAO Ya(30)
- The Comparison and Evolvement of Agroecosystem Structure in Representative Counties of the Farming-Pastoral Ecotones in North China ..... CHU Bing-hui, LIAO Yun-cheng, WANG Ke-qin, et al(35)
- Experimental Study on Generation of Runoff and Sediment on the Slope Grown Oil Sunflower in Ili River Basin ..... SHI Yan-jiang, SONG Feng-hui, LUO Qing-hong, et al(40)
- Study on the Resurrection Mechanism and Stability of Silver Creek Nest Landslide of Qingchuan County in Sichuan Province ..... YOU Lin, SHEN Jun-hui, PENG Chang-cui, et al(44)
- Coupling Relationship on Eco-economic System of Agricultural Land in Zhifanggou Watershed ..... DU Nai, WANG Ji-jun, YANG Bing(48)
- Dynamic Analysis of Land Use in Ganzhou, Jiangxi Province ..... YZHANG Shao-wei, YANG Qin-ke, REN Zong-ping, et al(53)
- Simulation of Spatial Pattern of Soil Water Loss in a Watershed of the Loess Plateau Based SWAT Model ..... LU Ai-gang, SUO An-ning, ZHANG Lei(57)
- Analysis on Formation Mechanism and Stability for the Landslide in Songping beside Daduhe River ..... WU Ya-zi, FU Rong-hua, WANG Jian, et al(62)
- Coupling Relationship between Soil Erosion and Environmental Factors in Typical Watershed of Yimeng Mountain ..... LI Yang, LIU Xia, YAO Xiao-you, et al(66)
- Influence of Grain for Green Project on Rural Economic Development in Wuqi County ..... YAO Wen-xiu, WANG Ji-jun(71)
- Study on Evaluation of Land Use Benefits Based on GIS Technology ..... WU Zhi-wei, HU Yuan-man, CHEN Wen-bo(75)
- Research on Soil and Water Conservation in New Socialistic Countryside Construction of Houguomen in Ansai ..... ZHANG Qiang, XU Ming-xiang, ZHENG Shi-qing, et al(80)
- Species Composition and Structural Characteristics of *Quercus aliena* Community on National Forest Park of Tongtianhe River ..... LIU Zhen-xue, REN Guang-xin, WANG De-xiang, et al(86)
- Variation of Landscape of Yushen Mining Area and Its Driving Forces ..... QIAN Zhe-dong, JIANG Ming-kang, LIU Lu-jun, et al(90)
- Analysis on Spatial Pattern of Gully Erosion Across Typical Black Hilly Region of Northeast China ..... DU Guo-ming, LEI Guo-ping, ZONG Xiao-dan(94)
- Study on the Environmental Characteristics and the Mechanisms of Land Desertification in North Shanxi Province ..... XUE Zhan-jin, QIN Zuo-dong, MENG Xian-wen(98)
- Study on the Soil Water of Different Vegetation Communities in the Loess Hilly-Gully Region ..... LIANG Chao, HAO Wen-fang, YUAN Ding(103)
- Study on Water-holding Capacity of Litter in Four Forest Types of Helan Mountain ..... ZHAO Xiao-chun, LIU Jian-jun, REN Jun-hui, et al(107)
- Land Cover Classification in Loess Hilly and Gully Region Using Multi-temporal MODIS-NDVI Data ..... LU Guang-yong, YANG Qin-ke, WANG Hai-jiang(112)
- Study on Complexity of Groundwater Depth Series in Well Irrigation Area of Sanjiang Plain Based on Continuous Wavelet Transform and Fractal Theory ..... LIU Dong, ZHANG Jian, FU Qiang(116)
- Investigation and Fuzzy Comprehensive Evaluation on Pollution Status of Heavy Metal of Pu River

- ..... LI Yan-ji, SONG Zheng-gang, LI Run-dong, et al(121)  
A Study on Soil Moisture in Different Plantations in Dry-Hot Valley of Jinsha River ..... YUE Xue-wen, FANG hai-dong, QIAN Kun-jian, et al(125)  
Effect of Horizontal Resolution of Raster DEM on Drainage Basin Characteristics ..... BAO Wei-jia, CHENG Xian-fu, CHEN Xu-dong(129)  
Research for Environment Impact Assessment and Restoration on Panjin Shuangtai Estuary Wetland ..... LU Xiao-feng, WANG Tie-liang, MA Xiu-mei, et al(133)  
Comprehensive Evaluation and Analysis of Water Resources Capacity in Erdos Area ..... GAO Rui-zhong, LI He-ping, TONG Chang-fu, et al(139)  
The Study on Sap Flow and Transpiration of Artificial *Caragana korshinkii* in the Arid Area of Central Ningxia Hui Autonomous Region ..... YU Feng, CHEN Lin, WANG Feng, et al(143)  
Fractal Characteristics of Particle-size in Four Plantation in Simian Mountain of Chongqing ..... GE Dong-yuan, ZHANG Hong-jiang, ZHENG Guo-qiang, et al(148)  
Comparison of the Effect of Water and Nitrogen on Different Cotton Varieties under Drip Irrigation ..... WANG Hai-jiang, CUI Jing, HOU Zhen-an, et al(152)  
Characteristics of Precipitation in Naiman Region of Horqin Sandy Land ..... LIU Xin-ping, HE Yu-hui, ZHAO Xue-yong, et al(155)  
An Application of SiB2 in the Yellow River Irrigation Region ..... CHU Ying-min, YUAN Zai-jian, LIU Chang, et al(159)  
Research on Land Comprehensive Carrying Capacity of Resource-Exhausted Cities ..... NI Chao, LEI Guo-ping(164)  
Studied on Soil Microbial Community Structure about Wild Ginseng under Forest ..... ZHANG Ya-yu, SUN Hai, SONG Xiao-xia, et al(169)  
Representation of Eroded Geomorphological Features on the Digital Elevation Model (DEM) ..... GU Yun-he, YANG Qin-ke, LUO Yi-ning, et al(174)  
Transpiration and Relationship between Supply and Demand of Water for Dwarfing Fuji Apple Tree on the Weihei Plateau ..... ZHOU Shan-shan, WU Fa-qi, ZHANG Chen(180)  
Application of Cloud Reasoning Model to the Yield Prediction of Guizhou Province ..... ZHANG He-xi, CHI Dao-cai, WANG Qun, et al(184)  
Study on the Classification of Engineering Type Zone of the Land Consolidation in Hainan Province ..... LIU Hong-ping, LI Jian-feng, JIANG Yan(188)  
Spatial Disparity and Dynamic Evolution of Grain Yield Per Unit Area and Its Driving Factors in Hebei Province ..... ZHANG Lu-lu, ZHANG Yue-guo, LIU Rui-qing, et al(192)  
Study on Sustainable Development in Gansu Province Based on Ecological Footprint and Gray Correlation Theory ..... GONG Ji-ping, PAN Jing-hu, SHI Pei-ji(198)  
Study on the Realistic Potential of Farmland Consolidation on the Theory of Productivity ..... ZHANG Hui, LI Xin-wang, HUO Xi-liang, et al(202)  
Evaluation of Landscape Ecological Quality Based on Land Use ..... XU Luo-yuan, HUANG Yi-xiong, YE Gong-fu, et al(207)  
Analysis on Land Use Changes and Driving Forces in Fuliang County, Jiangxi Province ..... XIE Fei, SHU Xiao-bo, LIAO Fu-qiang, et al(213)  
Research on the Effects of Water Quality on Soil Salt Distribution in Drip Irrigation for Red Jujube ..... YAO Bao-lin, YE Han-chun, SUN San-min, et al(218)  
The Influence of Population Density of Winter Wheat of Plastic Film Mulching on Ridge for Rainwater-harvesting on Yield ..... WANG Xiao-ling, DONG Pu-hui(222)  
The Issue and Measures of Land Use Balance in Urban and Rural Test Area in Chongqing ..... XIAO Yi, WEI Chao-fu, YIN Ke(227)  
Determination of the Technical Parameters of Ridge Tillage and Effect on Yield and Water Use Efficiency of Soybean on Sloping Land ..... WANG Meng-xue, ZHANG Jin-ping, ZHANG Yu-xian(233)  
Discuss on Daily Crop Evapotranspiration Forecast Based on Gray Relation Analysis and BP Neural Network ..... WU Kai-fu(237)  
Study on the Soil Nutrients and Microbiological Characteristics of Four Utilization Types of Plateau Wetlands Napahai ..... LU Mei, TIAN Kun, MO Jian-feng(241)  
Fuzzy Matter-Element Assessment Model for Water Resources Carrying Capacity in Jiansanjiang Branch Bureau Based on Entropy-Weight ..... LÜ Ping, LIU Dong, ZHAO Fei-fei(246)  
Planning Method of the Prime Farmland Based on Farmland Classification and LESA Method ..... QIAN Feng-kui, WANG Qiu-bing(251)  
Study on Regional Sustainable Development of Fujian Province Based on the Method of Asset and Debt ..... LI Ming-yong, YAN Lu-ming, YANG Lei-lei(256)  
Analysis of the Ecological Compensation Based on Ecological Footprint Change in Elk Nature Reserve of Yancheng ..... YANG Zhi-ping(261)  
Study on Dynamic Changes of Landscape Patterns in Yinchuan City ..... BAI Lin-bo, BAI Ming-sheng, JIA Ke-li(265)