

目 次

川中紫色丘陵坡耕地细沟发生临界坡长及其控制探讨	严冬春,文安邦,史忠林,等(1)
黄土高原沟壑区小型重力侵蚀影响因素分析	杨吉山,姚文艺,马三保,等(5)
基于 InVEST 模型的北京山区土壤侵蚀模拟	周 彬,余新晓,陈丽华,等(9)
露天排土场的岩土侵蚀特征及水保效应分析	吕春娟,白中科(14)
干旱区土壤理化性质与人工植被性状的关系	
——以新疆和田墨玉生态产业区为例	季宇虹,宁虎森,王让会,等(20)
基于 ArcObjects 的土壤侵蚀模型的设计与实现	陈旭东,程先富,鲍伟佳,等(26)
浙江省降雨侵蚀力时空分布规律分析	何锡君,吕振平,杨 轩,等(31)
我国长大客运专线建设工程的水土流失影响指数比较	何吉成,徐雨晴,刘兰华(35)
伊犁河流域新垦区杨树水保林水分生态效益研究	罗青红,宋锋惠,史彦江,等(39)
碎裂结构岩体路堑边坡锚间距的断裂力学探讨	罗 强,李 亮,唐树名(44)
低丘黄壤区不同植被恢复模式水土保持功能分析	刘 艳,刘学全,崔鸿侠,等(48)
昆明迤者小流域坡面地表径流磷素流失研究	郭圣浩,王克勤,宋维峰,等(53)
基于 GIS 的安溪县土壤侵蚀潜在危险度评价	林升钰,查 轩(60)
基于 GIS 与 RS 小流域空间数据挖掘	江青龙,谢永生,张应龙,等(64)
一颗印沟泥石流评价及震后预测	冯文凯,杜 杰,石豫川,等(68)
退耕还林对河北顺平县土地利用变化及生态系统服务价值的影响	赵 丽,张蓬涛,朱永明(74)
榆林市用水经济增长弹性变化规律及其驱动因素分析	王小军,贺瑞敏,尚熲廷,等(78)
黄土区退耕背景下土地利用/覆被格局现状调查研究	
——以安塞县马家沟流域为例	付艳玲,张晓萍,陈凤娟,等(81)
渭干河一库车河三角洲绿洲盐生植物物种多样性研究	王雪梅,柴仲平,塔西甫拉提·特依拜(86)
黄土丘陵沟壑区植物蒸腾和植被蒸散估算尺度转换模型研究	于红博,杨 劼,宋炳煜(90)
高温伏旱区旱地农作系统水分供需平衡特征与生态适应性研究	张云兰,王龙昌,邹聪明,等(95)
喀斯特生态重建果园土壤养分季节变化研究	覃家科,殷兴华,吕仕洪,等(101)
黄土高原典型流域不同土地利用类型土壤物理性质分析	李庆云,余新晓,信忠保,等(106)
开都河下游灌区土壤盐渍化研究	李新国,李会志,王 影,等(111)
富春江流域人工阔叶幼林涵养水源效果分析	王小明,周本智,钟绍柱,等(115)
基于生态足迹的雅安市土地生态安全研究	何淑勤,郑子成,孟庆文,等(118)
湖南紫鹊界梯田区森林改良土壤作用研究	段兴凤,宋维峰,曾 珣,等(123)
黄土丘陵区人工草地牧草营养元素累积及土壤有机碳与养分特征	王百群,姜 峻,都全胜,等(127)
陇南山地土地利用结构动态演变分析	吴燕芳,石培基,刘宁宁(133)
测量根系对土壤机械压力的试验装置设计	胡 林,王 飞,李晓明,等(138)
淳化县人工油松林林分结构及林下植物多样性研究	李 苗,李凯荣,杨晓毅,等(142)
土壤呼吸测定方法述评与展望	闫美杰,时伟宇,杜 盛(148)
基于集约评价的城市土地利用投入与产出分析	
——以武汉市为例	罗 栋,张根寿,王海军(153)
基于熵权的川北城市生态系统健康综合评价	胡碧玉,胡昌升,郭郡郡(158)

基于图谱分析的福建省生态环境与城市化耦合关系研究	陈 菁(163)
抚仙湖流域磷矿开采废弃地恢复灌草丛的物种配置研究	赵敏慧,杨礼攀,杨中宝,等(169)
青海湟水流域植被覆盖度时空变化分析	王兮之,陆 龙,梁钊雄(172)
基于 GIS 的麻阳县农村居民点空间布局优化研究	谭雪兰,段建南,包春红,等(177)
盐池不同保护及恢复措施对植物多样性的影响	刘 建,张克斌,孟力猛,等(181)
神府矿区水资源利用与保护及其调控对策	刘 梅,王美英,秦东峰(186)
民勤绿洲沙地系统特征及“退耕”建议	柴成武,赵 明,徐向中,等(189)
黑河中游河道生态环境需水量研究	陈红翔,杨 保,王章勇,等(194)
基于 GIS 的大兴安岭中段东南坡降水量空间插值分析	唐红艳,牛宝亮(198)
两水源地间相互影响的数值评价	宋寿鹏,杨 涛,康卫东(202)
鹫峰国家森林公园风景林健康评价研究	马志林,陈丽华,韩 鹏,等(207)
基于粗糙集的农田生态系统生产力及稳定性研究	
——以河北雄县为例	王庆宾,王兴华,许 皞,等(212)
毛乌素沙地不同土地利用类型土壤分形特征	高君亮,李玉宝,虞 毅,等(220)
植被混凝土护坡基材 pH、有机质及其与速效养分的相关性分析	夏 栋,许文年,赵 娟,等(224)
城市河道岸坡近自然治理技术及其生态效应评价	孟凡超,王玉杰,赵占军,等(228)
改良剂对土壤锌铬及养分有效性的影响	仲崇府,张青松,林立金,等(233)
湖北省 1957—2009 年降水时空变化特征分析	蔡道明,鄢铁平,廖 炜,等(237)
玛纳斯河流域生态需水量估算	范文波,周宏飞,李俊峰(242)
冀东山地丘陵区内小城镇发展分析	
——以卢龙县为例	刘 帅,牛彦斌,李新旺,等(246)
陕西省文冠果生态区划研究	韩蓓蓓,刘建军,康博文,等(252)
滨岸缓冲带截留污染物机理和效果的研究进展	郭 彬,汤 兰,唐莉华,等(257)
宁夏移民区种植业生态系统的能值分析	
——以红寺堡移民开发区为例	韩 瑛,冯文勇(263)
三峡库区消落带完整淹水后土壤重金属分布特征及其影响因素	王晓阳,傅瓦利,谢 芳,等(267)
水氮耦合对苹果光合特性和果实品质的影响	孙 霞,柴仲平,蒋平安,等(271)
退耕还林工程对陕北农村发展的效应分析	
——以榆阳区为例	党晶晶,付少平(275)
基于因子分析法的盐池县粮食生产影响因素分析	牛创民,温学飞,王 峰(278)

期刊基本参数:CN 61-1272/P * 1985 * b * A4 * 292 * zh * P * ¥25.00 * 1000 * 60 * 2010-12

执行主编 赵丽英

责任编辑 曹晓萍

Contents

Critical Slope Length and Control of Rill Occurrence on Cultivated Land of Purple Soil in Sichuan Basin	YAN Dong-chun, WEN An-bang, SHI Zhong-lin, et al(1)
Analysis on the Small Gravitational Erosion Factors in Gully Region of the Loess Plateau	YANG Ji-shan, YAO Wen-yi, MA San-bao, et al(5)
Soil Erosion Simulation in Mountain Areas of Beijing Based on INVEST Model	ZHOU Bin, YU Xin-xiao, CHEN Li-hua, et al(9)
Soil and Rock Erosion and Soil and Water Conservation Effects of Opencast Mine Dump	Lü Chun-juan, BAI Zhong-ke(14)
Relationship between Artificial Vegetation and Soil Physiochemical Properties in Arid Zone	JI Yu-hong, NING Hu-sen, WANG Rang-hui, et al(20)
Design and Operation of the Soil Erosion Model Based on ArcObjects	CHEN Xu-dong, CHENG Xian-fu, BAO Wei-jia, et al(26)
An Analysis on Spatial-Temporal Distribution of Rainfall Erosivity in Zhejiang Province	HE Xi-jun, LÜ Zhen-ping, YANG Xuan, et al(31)
Comparison of the Impact Indices of Soil and Water Loss for Construction of the Long Passenger Dedicated Railways in China	HE Ji-cheng, XU Yu-qing, LIU Lan-hua(35)
Research on Ecological Benefit to Polar Forest for Soil and Water Conservation in the Vergin Exploit Region of Iii River Basin	LUO Qing-hong, SONG Feng-hui, SHI Yan-jiang, et al(39)
Discussion on the Anchor Space of Disintegrate Structure Rock Mass Cutting Slope by Using Fracture Mechanics	LUO Qiang, LI Liang, TANG Shu-Ming(44)
Analysis on Function of Water and Soil Conservation of Different Vegetation Restoration Patterns in Yellow Soil Area of Low Hill	LIU Yan, LIU Xue-quan, CUI Hong-xia, et al(48)
Study on Phosphorus Loss of Slope Runoff in Yizhe Watershed of Kunming	GUO Sheng-hao, WANG Ke-qin, SONG Wei-feng, et al(53)
Study on Potential Danger of Soil Erosion Based on GIS in Anxi County	LIN Sheng-yu, ZHA Xuan(60)
The Spatial Data Mining for Small Watershed Based on GIS and RS	JIANG Qing-long, XIE Yong-sheng, ZHANG Ying-long, et al(64)
Evaluation and Prediction After Earthquake of the Yikeyin Debris Flow	FEGN Wen-kai, DU Jie, SHI Yu-chuan, et al(68)
Effects of Returning Cultivated Land to Forest on Land Use Change and Ecosystem Service Values of Shunping County in Hebei Province	ZHAO Li, ZHANG Peng-tao, ZHU Yong-ming(74)
Characteristics and Driving Forces of Water Use and Economic Elasticity of Yulin City	WANG Xiao-jun, HE Rui-min, SHANG Man-ting, et al(78)
Land Use/Cover Pattern Survey under the Background of Grain for Green' Policy Implementation in the Loess Hilly-Gully Region	U Yan-ling, ZHANG Xiao-ping, CHEN Feng-juan, et al(81)
Study on Species Diversity of Halophytic Vegetation in the Delta Oasis of Weigan and Kuqa Rivers	WANG Xue-mei, CHAI Zhong-ping, Tashpolat • TIYIP(86)
Evapotranspiration Estimated by a Scaling Model in the Ordos Plateau, China	YU Hong-bo, YANG Jie, Song Bing-yu(90)
Study on Water Supply-demand Equilibrium and Ecological Adaptability of Dryland Farming Systems in Hot and Summer Drought Areas	ZHANG Yun-lan, WANG Long-chang, ZOU Cong-ming, et al(95)
A Study of Seasonal Changes in Soil Nutrients of Ecological Restoration Orchards in Karst	QIN Jia-ke, YIN Xing-Hua, LÜ Shi-Hong, et al(101)
Analysis on Soil Physical Properties of Different Land Uses in a Typical Watershed of the Loess Plateau	LI Qing-yun, YU Xin-Xiao, XIN Zhong-bao, et al(106)
Study on Soil Salinization in the Downstream of Kaidu River Irrigation Areas, Xinjiang	LI Xin-guo, LI Hui-zhi, WANG Ying, et al(111)
The Eco-hydrological Effect of Young Broadleaved Plantation in Fucun River Basin	WANG Xiao-ming, ZHOU Ben-zhi, ZHONG Shao-zhu, et al(115)
Study on Land Ecological Safety Based on Ecological Footprint in Ya'an City	HE Shu-qin, ZHENG Zi-cheng, MENG Qing-wen, et al(118)
Study on Improving Soil Properties of Forest Vegetation in Ziquejie Terrace	DUAN Xing-feng, SONG Wei-feng, ZENG Xun, et al(123)
Characteristics of Accumulation of Nutrient Elements in Grasses and Soil Organic Carbon and Nutrients in Managed Grasslands in the Loess Hilly and Gully Area	WANG Bai-qun, JIANG Jun, DU Quan-sheng, et al(127)
Analysis on Dynamic Evolution of Land Use Structure in Mountain Area of Longnan	WU Yan-fang, SHI Pei-ji, LIU Ning-ning(133)

An Apparatus for Measurement of Root System Pressure on Soil HU Lin, WANG Fei, LI Xiao-ming, et al(138)

Study on Structure and Plant Diversity of *Pinus Tabulaeformis* Stands in Chunhua County
..... LI Miao, LI Kai-rong, YANG Xiao-yi, et al(142)

Review and Prospect on the Methods of Soil Respiration Measurement YAN Mei-jie, SHI Wei-yu, DU Sheng(148)

Analysis of Urban Land Use Inputs and Outputs Based on Intensive Evaluation
..... LUO Dong, ZHANG Gen-shou, WANG Hai-jun(153)

An Entropy Weight Approach on the Synthetic Assessment of the Northern Sichuan Urban Ecosystem Health
..... HU Bi-Yu, HU Chang-Sheng, GUO Jun-Jun(158)

Research for the Coupling Relationship between Ecological Environment and Urbanization in Fujian Province Based on Spectral
Analysis CHEN Jing(163)

A Study on Species Disposition of Shrub-grass Community on the Phosphorus Mining Wasteland in Fuxian Lake Watershed
..... ZHAO Min-hui, YANG Li-pan, YANG Zhong-bao, et al(169)

Analysis on Temporal-spatial Change of Vegetation Coverage in Huangshui Watershed
..... WANG Xi-zhi, LU Long, LIANG Zhao-xiong(172)

A GIS-Based Study on Optimized Spatial Distribution of Rural Settlements in Mayang County
..... TAN Xue-lan, DUAN Jian-nan, BAO Chun-hong, et al(177)

Effect of Different Measures for Protection and Restoration on the Plant Diversity in Yanchi County
..... LIU Jian, ZHANG Ke-bin, MENG Li-meng, et al(181)

Investigation of Sustainable Utilization of Water Resources in the Area of Yushenfu Coal Mine
..... LIU Mei, WANG Mei-ying, QIN Dong-feng(186)

The Suggestion on Returning Farmland and Character of Sand Farmland System in Minqin Oasis
..... CHAI Cheng-wu, ZHAO Ming, XU Xiang-zhong, et al(189)

Research on Water Demand for Eco-environment of Middle Reaches' Stream-channel of Heihe River Basin
..... CHEN Hong-xiang, YANG Bao, WANG Zhang-yong, et al(194)

Spatial Interpolation Analysis on Precipitation of Southeast Slope of the Greater Hinggan Mountains Based on GIS Technology
..... TANG Hong-yan, NIU Bao-liang(198)

Numerical Evaluation of the Interaction between Two Water Sources SONG Shou-peng, YANG Tao, KANG Wei-dong(202)

Study on Health Assessment of Scenic Forest in Jiufeng National Forest Park, Beijing
..... MA Zhi-lin, CHEN Li-hua, HAN Peng, et al(207)

Study on Agro-ecosystem Productivity and Productivity Stability Base on Rough Set Method
..... WANG Qing-bin, WANG Xing-hua, XU Hao, et al(212)

Soil Fractal Characters under Different Land Use Patterns of Mu Us Sandy Land GAO Jun-liang, LI Yu-bao, YU Yi, et al(220)

Analysis of pH, Soil Organic Matter and the Correlation to Available Nutrients in Substrate of Vegetation-growing Concrete
Gunning XIA Dong, XU Wen-nian, ZHAO Juan, et al(224)

The Eco-functions of Near-natural Control Measurements of Urban Riverbank
..... MENG Fan-chao, WANG Yu-jie, ZHAO Zhan-jun, et al(228)

Effects of Modifiers on Zinc, Chromium and Nutrient Availabilities in Soil
..... ZHONG Chong-fu, ZHANG Qing-song, LIN LI-jin, et al(233)

Analysis on Spatial-Temporal Characteristics of Precipitation During 1957—2009 in Hubei Province
..... CAI Dao-ming, YAN Tie-ping, LIAO Wei, et al(237)

The Composition of Ecological Water Requirement and Estimation of Ecological Water Demand of Manas River Valley
..... FAN Wen-bo, ZHOU Hong-fei, LI Jun-feng(242)

Study on Strategy of Small Town Based on Different Functional Areas LIU Shuai, NIU Yan-bin, LI Xin-wang, et al(246)

The Ecological Regionalization of *Xanthoceras sorbifolia* in Shaanxi Province
..... HAN Bei-bei, LIU Jian-jun, KANG Bo-wen, et al(252)

The Review on the Research for the Interception Mechanism and Effects of Riparian Buffer Zone
..... GUO Bin, TANG Lan, TANG Li-hua, et al(257)

Analysis of the Energy in Plantation Ecosystem in Immigrator Area of Ningxia HAN Ying, FENG Wen-yong(263)

The Distribution Characteristic of Soil heavy Metals and Their Influencing Factors in Water-level-fluctuating Zones of the
Three-Gorges Reservoir Area WANG Xiao-yang, FU Wa-li, XIE Fang, et al(267)

Effects on the Photosynthetic Characteristics and the Quality of the Apple under the Water and Nitrogen Coupling
..... SUN Xia, CHAI Zhong-ping, JIANG Ping-an, et al(271)

Effects of the Grain for Green Project in the Development of Rural Area in the Northern Shanxi Province
..... DANG Jing-jing, FU Shao-ping(275)

Influence Factor Analysis of Grain-Production in Yanchi County Based on Factor Analysis Method
..... NIU Chuang-min, WEN Xue-fei, WANG Feng(278)