



中文核心期刊(第七版)
中国科技核心期刊

中国科学引文数据库来源期刊
RCCSE 中国核心学术期刊

ISSN 1005-3409
CN 61-1272/P

水土保持研究

RESEARCH OF SOIL AND WATER CONSERVATION

SHUITU BAOCHI YANJIU

第23卷第5期

2016年10月

5
2016

ISSN 1005-3409



9 771005 340040

主办 中国科学院水利部水土保持研究所

主管 中国科学院

目 次

- 黄土土质对溅蚀特征的影响 刘柏玲, 蔡强国, 史志华, 等(1)
嘉陵江流域水系形态特征与侵蚀产沙响应 李进林, 韦杰(7)
三峡库区消落带土壤有机碳氧化稳定性特征 贾国梅, 何立, 刘潇, 等(14)
人为干扰对桂西北喀斯特山地植被多样性及土壤养分分布的影响 李胜平, 王克林(20)
黄土丘陵区油松林细根在坡面的空间分布特征 常恩浩, 李鹏, 刘莹, 等(28)
模拟降雨下草被坡面水沙调控效应及水分转化研究 宋亚倩, 赵西宁, 潘岱立, 等(35)
植物篱对坡面土壤养分流失的影响 李海强, 郭成久, 李勇, 等(42)
圭园沟流域淤地坝坝系布局评价 王丹, 李占斌, 李鹏, 等(49)
伏牛山区陶湾流域径流泥沙模拟误差分析 田耀武, 王宁, 刘晶(56)
水田化进程下挠力河流域耕地时空变化特征 李娜, 雷国平, 张慧, 等(63)
退耕还林还草工程实施对洛河流域土壤侵蚀的影响 崔晓临, 雷刚, 王涛, 等(68)
河北坝上植被恢复措施对土壤性质的影响 王红营, 郭中领, 王仁德, 等(74)
长寿湖水库沉积物有机碳的垂直变化特征 高进长, 龙翼, 张信宝, 等(80)
生物黑炭对黑土根际土壤氮素转化强度及无机氮的影响 王大庆, 孟颖, 孙泰朋, 等(85)
淮南煤矿塌陷区不同塌陷类型土壤理化性质及其酶活性比较 崔鲁楠, 王宁, 李玉成, 等(90)
不同施氮量对高粱产量及植株养分积累的影响 倪玉琼, 张强, 曹方琴, 等(95)
黄土丘陵区不同植被类型枯落物持水效能研究 张袆, 李鹏, 刘晓君, 等(100)
喷灌配套耕作措施对土壤物理性质及玉米生长的影响 汪然, 万书勤, 康跃虎, 等(106)
喀斯特石漠化演替中植物多样性及其与土壤理化性质的关系 李瑞, 王霖娇, 盛茂银, 等(111)
广西猫儿山毛竹林不同层次土壤含水量的降雨响应 李海防, 史梅容, 王金叶, 等(120)
不同覆膜处理对土壤水热效应及春玉米产量的影响 霍铁珍, 郭彦芬, 韩翠莲, 等(124)
相关规划产生水土流失影响评价研究 夏积德, 吴发启, 周波, 等(129)
阿尔泰山不同海拔梯度天然冷杉林土壤特征及肥力综合评价 麻泽宇, 王丹, 戴伟, 等(134)
希拉穆仁草原退化评价及地表风蚀颗粒表征 黄昕, 蒙仲举, 汪季, 等(141)
川东盆地高温、暴雨特征及对气候变化的响应 杜华明, 董廷旭(147)
呼图壁河水沙年内分配特征及同步性变化分析 王敬哲, 刘志辉, 姚俊强, 等(152)
连续降雨条件下黄土丘陵区两典型林分降雨分配特征研究 张建国, 闫美杰, 杜盛(158)
东辽河流域未来土地利用变化对水文影响的研究 孙丽娜, 梁冬梅(164)
西南岩溶区 NDVI 时空变化及其与气候因子的关系 靖娟利, 王永锋(169)
东北林草交错区植被 NDVI 时空特征及其与气候因子关系分析 史娜娜, 全占军, 韩煜, 等(175)
且末绿洲沙漠过渡带防护林工程小气候效应研究 杨兴虎, 范敬龙, 徐新文, 等(183)
明代文峪河流域旱灾探析 侯雨乐, 赵景波, 成爱芳(188)
甘肃省近 55 年来积温变化趋势特征分析 王国强, 张勃, 张耀宗, 等(193)
青海湖北部近 30 年不变草地与不变耕地土壤粒度差异及其指示意义 袁杰, 曹广超, 虞敏, 等(199)
喀斯特峡谷区石漠化演变中群落多样性的响应 陈亚娟, 周忠发, 闫利会(205)
博尔塔拉河沿岸土壤重金属含量特征与有机质、pH 值的关系 陈浩, 吉力力·阿不都外力, 刘文, 等(210)

- 鄱阳湖生态经济区耕地利用效率时空差异及其影响因素分析 谢花林, 张道贝, 王伟, 等(214)
三峡库区蓄水前后土地利用变化对生态系统服务价值的影响 国洪磊, 周启刚(222)
基于土地利用变化下的县域生态敏感性及灰色预测
——以河北省平山县为例 郭年冬, 陈召亚, 李恒哲, 等(229)
北京城市化进程对生态系统服务的影响 付梦娣, 肖能文, 赵志平, 等(235)
1961—2010 年中国参考作物蒸散量变化趋势与时空格局 黄娟, 申双和, 李新建, 等(240)
2000—2010 年珠江城市带土地利用/覆被变化对区域净初级生产力的影响
..... 袁甲, 沈非, 王甜甜, 等(245)
石河子地区参考作物蒸散量变化特征及气候因子的定量分析 罗那那, 巴特尔·巴克, 吴燕锋(251)
中国草地生态系统水源涵养服务时空变化 吴丹, 邵全琴, 刘纪远, 等(256)
基于 CLUE-S 模型的矿业城市土地利用格局情景模拟 张博, 雷国平, 周浩, 等(261)
云南省耕地自然质量等流域空间分布特征研究 曾维军, 张建生, 刘淑霞, 等(267)
贵州省贫困发生率与生态系统服务价值相关性分析 郭红娟, 蔡广鹏, 韩会庆, 等(274)
区域生态足迹与经济增长演进关系及其社会经济动因 王德录, 高标(278)
基于生态足迹的宁夏生态环境可持续发展研究 韩文文, 刘小鹏, 裴银宝, 等(285)
基于城市居民特性的温室气体减排支付意愿离散选择研究 王国友(291)
基于全排列多边形图示指标法的湖南省土地多功能性评价 张路路, 郑新奇, 蔡玉梅, 等(298)
片麻岩坡面花生不同生长时期水土及养分流失规律 马悦, 郭年冬, 张瑞芳, 等(304)
松嫩平原肇源县土地利用结构低碳优化研究 路昌, 雷国平, 周浩, 等(310)
基于耕地质量和空间聚类的县域基本农田划定
——以湖北省团风县为例 周明, 王占岐(316)
基于改进 MCR 模型的山区农村居民点空间增长模拟研究 卢德彬, 毛婉柳, 禹真, 等(322)
古蔺河流域古蔺县段农业非点源污染综合评价 李小丽, 敖天其, 黎小东(327)
金华北山洞穴水地球化学变化特征及气候指示意义 庞征, 王天阳, 李凤全, 等(332)
4 种植物直根抗折力和抗折强度的研究 张欣, 刘静, 郑永刚, 等(338)
矮秆基因 *Rht8* 和 *Rht13* 对冬小麦水分利用效率的效应比较 王凤娇, 严加坤, 张岁岐, 等(343)
模拟 CCS 技术 CO₂ 泄露对 C₄ 作物生物量的影响 薛璐, 马俊杰(350)
包头市铜厂周边土壤中重金属垂直分布特征与形态分析 张连科, 李艳伟, 李玉梅, 等(354)
壳聚糖活性污泥复合吸附剂在含铬废水处理中的应用 赵佐平, 崔雪燕(359)
基于图幅调查的六盘山镇孕灾地质条件分析 王高峰, 王爱军, 田运涛, 等(364)
植被恢复下土壤结构与功能的关系 尚应妮, 赵世伟, 王子龙, 等(370)
基于 FDR 的土壤原位水盐一体传感器设计与应用 郭佳, 王振营, 郑育锁, 等(376)
附图 (封 2, 插页 I, II, 封 3)

期刊基本参数:CN 61-1272/P * 1985 * b * A4 * 378 * zh * P * ¥35.00 * 1000 * 65 * 2016-10

执行主编 赵丽英 编辑 张娜 辛小桂 英文编辑 王百群

Contents

- Effects of Loess Soil Texture on Raindrop Splash LIU Bailing, CAI Qiangguo, SHI Zhihua, et al(1)
- Features of River System Morphology and Its Response to Sediment Yield in the Jialing River Basin, China LI Jinlin, WEI Jie(7)
- Characteristics of Soil Oxidizable Stable Organic Carbon in Riparian of Three Gorges Reservoir Area JIA Guomei, HE Li, LIU Xiao, et al(14)
- Effect of Human Disturbance on Soil Nutrients and Plant Diversity of Grassland in Karst Mountain LI Shengping, WANG Kelin(20)
- Spatial Distribution Characteristics of *Pinus tabulaeformis* Fine Root on Sloping Land in Loess Hilly Region CHANG Enhao, LI Peng, LIU Ying, et al(28)
- Effects of Grasses on Runoff and Sediment Reduction and Water Transformation on the Slope Under Simulated Rainfall SONG Yaqian, ZHAO Xining, PAN Daili, et al(35)
- Effects of Hedgerows on Soil Nutrient Losses on the Sloping Farmlands LI Haiqiang, GUO Chengjiu, LI Yong, et al(42)
- Evaluation of Overall Distribution of Check Dam System in the Jiuyuangou Watershed WANG Dan, LI Zhanbin, LI Peng, et al(49)
- Analysis of Simulation Error of Runoff and Sediment for Taowan Watershed in Funiushan Mountain Area TIAN Yaowu, WANG Ning, LIU Jing(56)
- Spatial-Temporal Characteristics of Farmland due to the Paddy Field Expansion in Naolihe River Basin LI Na, LEI Guoping, ZHANG Hui, et al(63)
- Impacts of Grain for Green Project on Soil Erosion in Luohe River Basin of Northern Shaanxi Province, China CUI Xiaolin, LEI Gang, WANG Tao, et al(68)
- Effect of Different Restoration Measures on Soil Properties in Bashang Area, Hebei Province WANG Hongying, GUO Zhongling, WANG Rende, et al(74)
- Characteristics of Vertical Variation of Organic Carbon in the Sediment of Changshouhu Reservoir, China GAO Jinchang, LONG Yi, ZHANG Xinbao, et al(80)
- Effects of Biochar on Nitrogen Transformation and Mineral Nitrogen of Rhizosphere in Black Soil WANG Daqing, MENG Ying, SUN Taipeng, et al(85)
- Comparison of Soil Physical and Chemical Properties and Soil Enzyme Activities in Different Types of Subsidence in Huainan Mining Subsidence Area CUI Lunan, WANG Ning, LI Yucheng, et al(90)
- Effect of Different Nitrogen Concentrations on *Sorghum bicolor* Yield and Nutrient Accumulation NI Yuqiong, ZHANG Qiang, CAO Fangqin, et al(95)
- Water Holding Capacity of Litter with Different Vegetation Types in the Loess Hilly Region ZHANG Yi, LI Peng, LIU Xiaojun, et al(100)
- Influence of Matching Tillage Measures on Soil Characteristics and Maize Growth Under Sprinkler WANG Ran, WAN Shuqin, KANG Yuehu, et al(106)
- Plant Species Diversity and Its Relationship with Soil Properties in Karst Rocky Desertification Succession LI Rui, WANG Linjiao, SHENG Maoyin, et al(111)
- Response of Soil Water Contents in Different Layers to Rainfall Under *Phyllostachys pubescens* Forest in Mao'ershan Mountain, Guangxi LI Haifang, SHI Meirong, WANG Jinye, et al(120)
- Effects of Different Film Mulching Treatments on Soil Moisture, Heat and Spring Maize Yield HUO Yizhen, GUO Yanfen, HAN Cuilian, et al(124)
- Research for Assessment on Impacted of Related Planning on Water Loss and Soil Erosion XIA Jide, WU Faqi, ZHOU Bo, et al(129)
- Soil Characteristics and Fertility Evaluation of *Abies sibirica* Forest at Different Altitude Gradients in Altai Mountain MA Zeyu, WANG Dan, DAI Wei, et al(134)
- Degradation Evaluation and Characterization of Surface Wind Erosion Particles in Xilamuren Grassland HUANG Xin, MENG Zhongju, WANG Ji, et al(141)
- Characteristics of High Temperature and Heavy Rain in East Sichuan Basin and Its Response to Climate Change DU Huaming, DONG Tingxu(147)
- Analysis on Variation Trends of Seasonal Runoff and Sediment Distribution and Synchronicity Change in Hutubi River WANG Jingzhe, LIU Zhihui, YAO Junqiang, et al(152)
- Characteristics of Rainfall Partitioning in Two Typical Forests Under Continuous Rainfall in the Loess Hilly Region ZHANG Jianguo, Yan Meijie, Du Sheng(158)
- Effect of Future Land Use Change on Hydrology in Dongliaohe Basin SUN Lina, LIANG Dongmei(164)
- Spatial and Temporal Variation of NDVI and Its Relations with Climate Factors in the Southwest Karst Area JING Juanli, WANG Yongfeng(169)
- Spatio-temporal Changes of Vegetation NDVI and Its Relationship with Regional Climate in Wood-grass Ecotone of Northeast China During 2000—2010 SHI Nana, QUAN Zhanjun, HAN Yu, et al(175)
- Research on Microclimate Effects of Shelterbelt Project in the Oasis Desert Ecotone of Qiemo YANG Xinghu, FAN Jinglong, XU Xinwen, et al(183)
- Analysis of Drought Disasters in Wenyu River Basin in the Ming Dynasty HOU Yule, ZHAO Jingbo, CHENG Aifang(188)

- Variation Tendency of Accumulated Temperature in Gansu Province in Recent 55 Years WANG Guoqiang, ZHANG Bo, ZHANG Yaozong, et al(193)
- Difference of Soil Particle Size Between Unchanged Perennial Farmland and Permanent Grassland and Its Implications During Nearly 30 Years on the North of Qinghai Lake YUAN Jie, CAO Guangchao, YU Min, et al(199)
- Response of Plant Community Diversity to Rocky Desertification Succession in Karst Valley Area CHEN Yajuan, ZHOU Zhongfa, YAN Lihui(205)
- Correlation Between Heavy Metals Organic Matter, pH Value in the Soils Along the Bortala River CHEN Hao, Jilili · Abuduwaili, LIU Wen, et al(210)
- Analysis of Cultivated Land Use Efficiency and Its Influencing Factors for Poyang Lake Ecological Economic Zone XIE Hualin, ZHANG Daobei, WANG Wei, et al(214)
- Effect of Land Use Change on Ecosystem Service Value Pre and Post the Water Storage in the Three Gorges Reservoir Area GUO Honglei, ZHOU Qigang(222)
- Ecological Sensitivity Research and Their Grey Forecast Based on Land Use Change in Pingshan County, Hebei Province GUO Niandong, CHEN Zhaoya, LI Hengzhe, et al(229)
- Effects of Urbanization on Ecosystem Services in Beijing FU Mengdi, XIAO Nengwen, ZHAO Zhiping, et al(235)
- Research of Variation Trend and Spatial Pattern of Reference Crop Evapotranspiration During the Period from 1961 to 2010 in China HUANG Juan, SHEN Shuanghe, LI Xinjian, et al(240)
- Impact of Land Use/Cover Change on Regional Net Primary Productivity in Wanjiang City Belt During the Period from 2000 to 2010 YUAN Jia, SHEN Fei, WANG Tiantian, et al(245)
- Correlation Analysis of Potential Evapotranspiration and Key Climatic Factors in Shihezi City LUO Nana, Batur · Bake, WU Yanfeng(251)
- Spatiotemporal Dynamics of Water Regulation Service of Grassland Ecosystem in China WU Dan, SHAO Quanqin, LIU Jiyuan, et al(256)
- Scenario Simulation of Land Use in Mining City Based on CLUE-S Model ZHANG Bo, LEI Guoping, ZHOU Hao, et al(261)
- Research on the Spatial Distribution Characteristics of Arable Land Natural Quality Grade of Watersheds in Yunnan Province ZENG Weijun, ZHANG Jiansheng, LIU Shuxia, et al(267)
- Correlation Analysis Between Poverty Incidence and Ecosystem Service Value in Guizhou Province GAO Hongjuan, CAI Guangpeng, HAN Huiqing, et al(274)
- Evolution Relationship Between Regional Ecological Footprint and Economic Growth and Its Socioeconomic Driving Factors WANG Delu, GAO Biao(278)
- Study on Ecological Environment Sustainable Development in Ningxia Based on Theory of Ecological Footprint HAN Wenwen, LIU Xiaopeng, PEI Yinbao, et al(285)
- An Empirical Study on Dispersed Choice in WTP for GHG Reduction Based on the Resident's Specific Properties WANG Guoyou(291)
- Assessment on Multi-functionality of Land Use Based on the Entire-Array-Polygon Indictor Method in Hu'nan Province ZHANG Lulu, ZHENG Xinqi, CAI Yumei, et al(298)
- Study on Soil and Nutrient Losses on Gneiss in Different Growth Periods of Peanut MA Yue, GUO Niandong, ZHANG Ruifang, et al(304)
- Study on Optimization of Low Carbon-Based Land Use Structure in Zhaoyuan County of Songnen Plain LU Chang, LEI Guoping, ZHOU Hao, et al(310)
- Spatial Distribution of Primary Farmland Based on Cultivated Land Quality and Spatial Clustering at County Scale ZHOU Ming, WANG Zhanqi(316)
- Simulation Study on the Spatial Growth of Rural Settlements in the Mountainous Area Based on Improved MCR Model LU Debin, MAO Wanliu, YU Zhen, et al(322)
- Study on Estimating Method of Agricultural Non-point Source Pollution Based on Export Coefficient Theory LI Xiaoli, AO Tianqi, LI Xiaodong(327)
- Cave Water Hydrogeochemical Characteristics of Jinhua North Mountain Caves and Its Climate Implications PANG Zheng, WANG Tianyang, LI Fengquan, et al(332)
- Study on the Anti-Fracture Mechanical Properties of Four Kinds of Straight Roots ZHANG Xin, LIU Jing, ZHENG Yonggang, et al(338)
- Comparison of the Effects of Dwarfing Genes *Rht8* and *Rht13* on Water Use Efficiency of Winter Wheat WANG Fengjiao, YAN Jiakun, ZHANG Suiqi, et al(343)
- Effect of CCS Technology for CO₂ Leakage on Biomass of C₄ Crops XUE Lu, MA Junjie(350)
- Vertical Distribution Characteristics and Speciation Analysis of Heavy Metals in Topsoils Around a Copper Plant of Baotou ZHANG Lianke, LI Yanwei, LI Yumei, et al(354)
- Application on the Performance of Chitosan-Activated Sludge Composite Adsorbent on Cr(VI) Adsorption ZHAO Zuoping, CUI Xueyan(359)
- Analysis on Disaster-Pregnant Geological Environment of Liupanshan Town Based on Map Sheet Survey WANG Gaofeng, WANG Aijun, TIAN Yuntao, et al(364)
- Relationship of Soil Structures and Functions Under Vegetation Restoration SHANG Yingni, ZHAO Shiwei, WANG Zilong, et al(370)
- Design and Application of Integrated Water and Salt Sensor in Situ Soil Based on FDR GUO Jia, WANG Zhenying, ZHENG Yusuo, et al(376)

中国学术期刊影响因子年报(自然科学与工程技术·2015版)

期刊名称: 水土保持研究

学科类目: 农业基础科学

CN/ISSN: 61-1272/P 1005-3409

主办单位: 中国科学院水利部水土保持研究所

研究层次: 技术研究

一、影响力指数(CI)

他引TC			他引JIF			CI值	影响力指数(CI) 学科排序
本刊数值	学科最大值	学科最小值	本刊数值	学科最大值	学科最小值		
2751	5596	173	0.568	1.46	0.057	589.933	8/19

二、被引频次 (本刊发表的可被引文献在 2014 年度的被引频次)

本刊发表文献 被各种来源文献引用频次	2014 年发表文献		2013 年发表文献		2012 年发表文献		历年发表文献 总被引频次
	被引频次	他引频次	被引频次	他引频次	被引频次	他引频次	
复合引用	18	11	390	264	705	508	7090
技术研究型统计源期刊引用	12	5	261	135	456	259	3192

三、影响因子 (JIF)

影响因子种类	即年指标	5年影响因子	他引5年影响因子	影响因子学科排序
复合 JIF	0.049	1.539	1.204	8/19
技术研究类 JIF	0.033	0.902	0.567	1/7

四、其他参考指标

基金论文比	平均引文数	引用半衰期	引用期刊数	被引半衰期	被引期刊数	他引总比	互引指数	WEB即年下载率	WEB下载量(万次)	量效指数
0.95	20	7.0	611	6.2	735	0.8	10/18	38	15.26	477.228

中国学术期刊(光盘版)电子杂志社

中国科学文献计量评价研究中心

2015年10月18日

水土保持研究

Shuitu Baochi Yanjiu

双月刊 1985 年创刊,1994 年更名

第 23 卷第 5 期

总第 118 期 2016 年 10 月

RESEARCH OF SOIL AND WATER CONSERVATION

Bimonthly (Started in 1985)

Vol. 23 No. 5

Total No. 118 Oct., 2016

主办单位	中国科学院水利部水土保持研究所	Sponsored by	Institute of Soil and Water Conservation, CAS & MWR
主管单位	中国科学院	Administrated by	The Chinese Academy of Sciences
主编	张兴昌	Editor-in-Chief	ZHANG Xing-chang
编辑出版	《水土保持研究》编辑部 (陕西杨凌 712100) (电话: 029-87012705)	Edited and Published by	Editorial Department of Research of Soil and Water Conservation (Tel: 029-87012705) (Yangling, Shaanxi, China, 712100)
印刷	陕西天地印刷有限公司 (陕西西安 710016)	Printed by	Shaanxi Tiandi Printing Co., Ltd. (Xi'an, Shaanxi, China, 710016)
国内发行	杨凌示范区邮政局	Distributed by	The Post Office of Yangling Demonstration Zone
订购	全国各地邮电局(所)	Ordered by	Post Office all over the Country
国外发行	中国国际图书贸易总公司 (北京 399 信箱 100044)	Foreign distributed by	China International Book Trading Corporation (P. O. Box 399 Beijing 100044)