



QK1710798

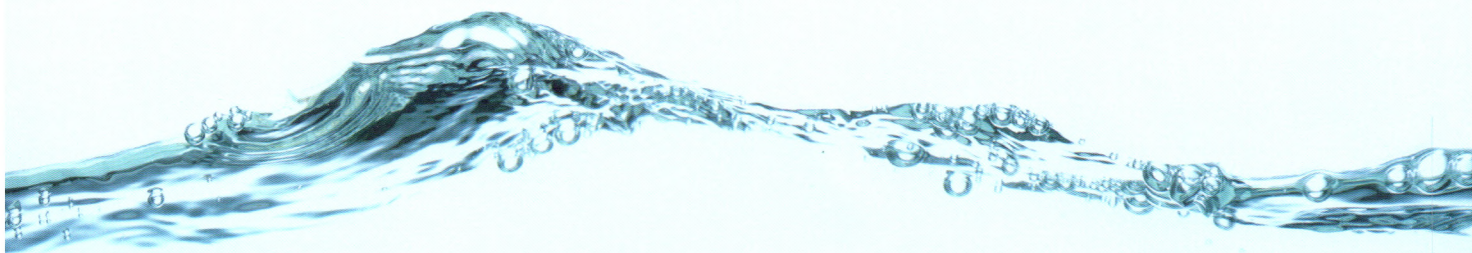


国家期刊奖提名奖 | 中国国际影响力优秀期刊 | ISSN 1009-2242
中国精品科技期刊 | 中国百种杰出学术期刊 | CN 61-1362/TV

水土保持学报

JOURNAL OF SOIL AND WATER CONSERVATION

第31卷 第3期 Vol.31 No.3 **2017**



ISSN 1009-2242



万方数据

中国土壤学会 主办
中国科学院水利部水土保持研究所

水土保持学报

第31卷第3期 2017年6月

目次

全球河流输沙量分布格局及其影响因素	景昭伟, 何洪鸣, Soksamng Keo, 等(1)
基于 TRMM 数据的巴基斯坦降雨侵蚀力估算及空间降尺度模拟	彭洁, 李爱农, 雷光斌, 等(10)
基于 CSLE 模型的贵州省水土流失规律分析	陈美淇, 魏欣, 张科利, 等(16)
不同覆盖措施对褐土养分流失的影响	李瀚之, 余新晓, 樊登星, 等(22)
模拟降雨条件下侧柏林地枯落物对坡面产流产沙的影响	何玉广, 信忠保, 余新晓, 等(27)
不同植被覆盖度对紫色土坡面侵蚀过程的影响	戴金梅, 查轩, 黄少燕, 等(33)
不同植被过滤带对农田径流泥沙和氮磷拦截效果与途径	李晓娜, 张国芳, 武美军, 等(39)
城市高羊茅草坪绿地水沙调控效应	魏小燕, 毕华兴, 李敏, 等(45)
次降雨对马尾松低效林改造初期坡面产流产沙的影响	张海涛, 宫渊波, 付万权, 等(51)
北京北部褐土区 2 种典型植物措施减流减沙效应	王葆, 程金花, 王文凯, 等(56)
降雨作用下坡面红土起动条件研究	张祖莲, 洪斌, 黄英, 等(62)
坡度对农业耕作措施水土保持作用的影响	赵龙山, 侯瑞, 吴发启, 等(69)
雨季喀斯特小流域氮输出特征及其受降雨的影响	曾杰, 吴起鑫, 李思亮, 等(73)
三峡水库消落带淹水—落干交替下紫色土力学特性变化模拟	吕发友, 鲍玉海, 贺秀斌, 等(79)
砾石含量及粒径对崩岗崩积体渗透特性的影响	詹振芝, 黄炎和, 蒋芳市, 等(85)
不同恢复年限弃渣场入渗特征研究与评价	李叶鑫, 史东梅, 吕刚, 等(91)
2 种草本植物根系对崩岗洪积扇土壤抗剪强度的影响	李慧, 黄炎和, 蒋芳市, 等(96)
果园生草对氮素表层累积及径流损失的影响	毕明浩, 梁斌, 董静, 等(102)
黄土丘陵区近 10 年典型小流域对侵蚀环境演变的泥沙响应	张宁宁, 刘普灵(106)
希拉穆仁天然草地不同群落土壤入渗特征	王则宇, 蒙仲举, 崔向新, 等(112)
砭砂岩区主要造林树种枯落物及林下土壤持水特性	杨振奇, 秦富仓, 李晓琴, 等(118)
海州露天煤矿排土场复垦区不同土地利用类型土壤入渗特征	吕刚, 傅昕阳, 李叶鑫, 等(123)
陕北黄土区人工刺槐林地土壤水势特征	肖恩邦, 孙保平, 陈串, 等(129)
矿山废弃地植物种植模式对土壤改良效果	杨帅, 高照良, 白皓, 等(134)
青海高寒山区 5 种林分的土壤特性及其水源涵养功能	刘凯, 贺康宁, 田赞, 等(141)
托木尔峰自然保护区台兰河上游森林植被水源涵养功能	马国飞, 满苏尔·沙比提(147)
喀斯特高原峡谷区不同恢复模式的土壤生态效应	鲍乾, 杨瑞, 李万红, 等(154)
垄膜沟秸秆种植方式对夏玉米水热效应的影响	陈光杰, 冯浩, 吴淑芳, 等(162)
梭梭和沙拐枣对风沙土壤水热盐动态的影响	刘海东, 刘娇, 赵英, 等(169)
高潜水位矿区不同复垦方式下土壤热导率及其影响因素	闵祥宇, 李新举(176)
半干旱黄土丘陵区植物休眠期覆盖对土壤水热变化的影响	吴贤忠, 李毅, 汪有科(182)
秸秆覆盖对冬小麦农田土壤有机碳及其组分的影响	李蓉蓉, 王俊, 毛海兰, 等(187)
脱石膏施用下宁夏盐碱土盐运移特征	樊丽琴, 杨建国, 尚红莺, 等(193)
紫色土丘陵区坡面土壤有机碳含量及储量分布特征	樊红柱, 张泽洪, 郭松, 等(197)
黄土高原西部针叶林植物器官与土壤碳氮磷化学计量特征	孙美美, 关晋宏, 岳军伟, 等(202)
不同降雨强度下北京山区典型林地土壤水分时空变化特征	侯贵荣, 余新晓, 刘自强, 等(209)
太子河源头水源涵养林不同植被类型矿质态氮流失特征及其对环境因子的响应	王琼, 荣湘民, 李法云, 等(216)
名山河流域不同土壤类型和土地利用方式下有机碳的分布特征	李欣雨, 夏建国, 鄯广奎, 等(224)
黄土丘陵区林地干化土壤降雨入渗及水分迁移规律	张敬晓, 汪星, 汪有科, 等(231)
地膜覆盖对黄土高原旱作春玉米田土壤碳氮组分的影响	付鑫, 王俊, 赵丹丹(239)
高寒草地不同退化程度下土壤微生物及土壤酶活性变化特征	蒋永梅, 师尚礼, 田永亮, 等(244)
脲酶—硝化抑制剂缓释肥对不同土壤氮素释放特性及黄瓜 NPK 吸收利用的影响	赵婉伊, 徐卫红, 王崇力, 等(250)
不同有机物料对连作大豆土壤养分含量及生物性状的影响	王笃超, 吴景贵, 李建明(258)
封育和水平沟生态恢复措施对宁夏黄土丘陵区典型草原土壤生物学特性的影响	周瑶, 马红彬, 贾希洋, 等(263)
配施有机肥减氮对川中丘区土壤微生物量与酶活性的影响	王兴龙, 朱敏, 杨帆, 等(271)
钾肥用量对大蒜—棉花套作体系产量和土壤钾素有效性的影响	田晓飞, 李成亮, 张民, 等(277)
肥料减施条件下水稻土壤有机碳组分对紫云英—稻草协同利用的响应	周兴, 廖育林, 鲁艳红, 等(283)
微咸水灌溉对土壤盐分分布及冬小麦生长的影响	王海霞, 徐征和, 鹿桂斌, 等(291)
黄土区典型小流域包气带土壤水同位素特征	柯浩成, 李占斌, 李鹏, 等(298)
白洋淀沉积物—沉水植物—水系统氮、磷分布特征	王亚琼, 薛培英, 耿丽平, 等(304)
不同有机物料对原生盐碱地水稳性团聚体特征的影响	何瑞成, 吴景贵, 李建明(310)
干湿交替作用对西南地区黄壤团聚体稳定性的影响	郭铃莉, 王玉杰, 王彬, 等(317)
柠檬酸对茶园紫色土微团聚体竞争吸附 Zn、Cd 影响	杨弋, 夏建国, 黄江伟, 等(322)
地下滴灌影响要素及其敏感性分析	范王涛, 李刚(330)
积雪与地表联合覆盖条件下冻融土壤盐运移规律	唐文政, 王春霞, 范文波, 等(337)

期刊基本参数: CN 61-1362/TV * 1987 * b * A4 * 344 * zh * P * ¥40.00 * 1000 * 55 * 2017-06

责任编辑 韦青侠

王红红

编辑 董志刚

Journal of Soil and Water Conservation

Vol. 31 No. 3 Jun. ,2017

Contents

The Distributional Patterns of Sediment loads of Global Rivers and Influencing Factors	JING Zhaowei, et al(1)
Estimation and Spatial Downscaling of Rainfall Erosivity Using TRMM Precipitation Data in Pakistan	PENG Jie, et al(10)
Analysis of the Characteristics of Soil and Water Loss in Guizhou Province Based on CSLE	CHEN Meiqi, et al(16)
Effects of Different Mulching Methods on Soil Nutrient Loss in Cinnamon Soil	LI Hanzhi, et al(22)
Influence of Litter Layer of <i>Platycladus orientalis</i> Forests on Runoff and Sediment Yield of the Slope Under Simulated Rainfall.....	HE Yuguang, et al(27)
Effects of Slope Gradients on Erosion Under Different Vegetation Coverage on Purple Slopes	DAI Jinmei, et al(33)
Interception Ways and Effects of Grass Filter Strips on Sediment, Nitrogen and Phosphorus in Agricultural Runoff	LI Xiaona, et al(39)
A Study on the Effects of Urban <i>Festuca arundinacea</i> Grassland on the Regulation of Runoff and Sediment	WEI Xiaoyan, et al(45)
Effects of Single Rainfall on Slope Runoff and Sediment Yield of Low-efficiency <i>Pinus massoniana</i> Lamb. Forest in the Initial Stage of Reconstruction ...	ZHANG Haitao, et al(51)
Effects of Two Typical Plant Measures on Runoff and Sediment Reduction in a Cinnamon Soil Region in Northern Beijing	WANG Bao, et al(56)
A Study on the Starting Conditions of Rainfall-affected Laterite Particles on Slopes	ZHANG Zulian, et al(62)
Effects of Slope Gradient on Soil and Water Conservation Benefit of Tillage Practices in Agricultural Lands	ZHAO Longshan, et al(69)
Characteristics of Nitrogen Export and the Effects of Rainfall during the Rainy Season in a Karst Small Catchment	ZENG Jie, et al(73)
Simulation of the Changes in Purple Soil Mechanical Properties in Response to Alternate Submergence and Exposure in the Riparian Zone of the Three Gorges Reservoir	LÜ Fayou, et al(79)
Effects of Content and Size of Gravel on Soil Permeability of the Colluvial Deposit in Benggang	ZHAN Zhenzhi, et al(85)
Research and Evaluation on Infiltration Characteristics of Dumps with Different Restoration Ages	LI Yexin, et al(91)
Effects of Two Herbal Plants' Roots on Soil Shear Strength in a Collapsing Gully Alluvial Fan	LI Hui, et al(96)
Effects of Cover Crop (<i>Vulpia myuros</i>) on the Accumulation and Runoff Loss of Nitrogen in Orchard	BI Minghao, et al(102)
Sediment Response to Erosive Environment Evolution of a Typical Watershed in the Loess Hilly Region in the Past 10 Years	ZHANG Ningning, et al(106)
Soil Infiltration Characteristics of Different Plant Communities in the Xilamuren Grassland	WANG Zeyu, et al(112)
Water-Holding Characteristics of Litters and Soil Under Major Afforestation Tree Species in the Feldspathic Sandstone Region	YANG Zhenqi, et al(118)
Soil Infiltration Characteristics under Different Land Utilization Types in the Dump Reclamation Area of the Haizhou Open-cast Coal Mine	LÜ Gang, et al(123)
A Study on Soil Water Potential Characteristics of <i>Robinia pseudoacacia</i> in North Shaanxi Loess Region	XIAO Enbang, et al(129)
Soil Improvement Effects of Planting Patterns on Mining Abandoned Lands on the Loess Plateau	YANG Shuai, et al(134)
Soil Characteristics and Water Conservation Function of Five Forest Types in Qinghai Alpine Region	LIU Kai, et al(141)
Water Conservation Function of Forest Ecosystems in the Upper Tailan River in the Mount Tumor Nature Reserve	MA Guofei, et al(147)
Soil Ecological Effects of Different Restoration Models in the Karst Plateau Gorge Region	BAO Qian, et al(154)
Effects of Plastic Film Combined with Straw Mulching on Soil Hydrothermal Regime of Summer Maize	CHEN Guangjie, et al(162)
Effects of <i>Haloxyylon ammodendron</i> and <i>Calligonum mongolicum</i> on Water-heat-salt Dynamics in Sandy Soil	LIU Haidong, et al(169)
Soil Thermal Conductivity and Influencing Factors Under Different Reclamation Modes in a Mining Area with High Groundwater Level	MIN Xiangyu, et al(176)
Effects of Film Mulching on Soil Moisture and Temperature Changes during Plant Dormancy Period in Semiarid Loess Hilly Region	WU Xianzhong, et al(182)
Effects of Straw Mulching on Soil Organic Carbon and Fractions of Soil Carbon in a Winter Wheat Field	LI Rongrong, et al(187)
Characteristics of Soil Water and Salt Movement in a Saline Alkali Soil Treated with Desulfurized Gypsum	FAN Liqin, et al(193)
Distribution Characteristics of Soil Organic Carbon Content and Storage on Slope in the Purple Soil Hilly Region	FAN Hongzhu, et al(197)
Carbon, Nitrogen, and Phosphorus Stoichiometry in Plant Organs and Soil of Coniferous Forests on the Western Loess Plateau.....	SUN Meimei, et al(202)
Spatial and Temporal Variation Characteristics of Soil Moisture in Typical Forest Land in Beijing Mountain Region Under Different Rainfall Intensity ...	HOU Guirong, et al(209)
Mineral Nitrogen Loss in Different Types of Vegetation and Its Response to Environmental Factors in the Water Conservation Forest in the Headstream of Taizi River	WANG Qiong, et al(216)
Distribution of Organic Carbon under Different Soil Types and Utilization Patterns in Mingshan River Watershed	LI Xinyu, et al(224)
Regularities of Rainfall Infiltration and Water Migration in Woodland Drying Soil in the Loess Hilly Region	ZHANG Jingxiao, et al(231)
Effects of Plastic Film Mulching on Soil Carbon and Nitrogen Fractions in a Dryland Spring Maize Field on the Loess Plateau	FU Xin, et al(239)
Characteristics of Soil Microorganism and Soil Enzyme Activities in Alpine Meadows Under Different Degrees of Degradation	JIANG Yongmei, et al(244)
Effects of Slow-release Fertilizer Containing Urease-Nitrification Inhibitor on Nitrogen Release Characteristics in Different Soils and Uptake and Utilization of Nitrogen, Phosphorus, and Potassium by Cucumber	ZHAO Wanyi, et al(250)
Effects of Different Organic Materials on Soil Nutrient Contents and Biological Properties of Continuous Cropping of Soybean	WANG Duchao, et al(258)
Effects of Enclosure and Level Trench Engineering Ecological Restoration on Soil Biological Characteristics of Typical Steppe in Loess Hilly Area in Ningxia	ZHOU Yao, et al(263)
Effects of Reducing Nitrogen and Applying Organic Fertilizers on Soil Microbial Biomass Carbon and Enzyme Activity in the Hilly Area of Central Sichuan Basin	WANG Xinglong, et al(271)
Effects of Potassium Application Rates on Crop Yield and Soil Potassium Content in a Garlic-Cotton Intercropping System Under a Four-year Located Experiment	TIAN Xiaofei, et al(277)
Responses of Contents of Soil Organic Carbon Fractions to Chinese Milk Vetch-rice Straw Synergistic Dispatching Under the Condition of Reducing Fertilizer Application	ZHOU Xing, et al(283)
Effects of Brackish Water Irrigation on Water-salt Distribution and Winter Wheat Growth	WANG Haixia, et al(291)
Soil Water Isotope Characteristics of the Vadose in a Typical Small Watershed on the Loess Plateau of China	KE Haocheng, et al(298)
Distribution Characteristics of Nitrogen and Phosphorus in Sediments-Submerged Macrophytes-Water Systems of Baiyangdian Lake	WANG Yaqiong, et al(304)
Effects of Different Organic Materials on the Characteristics of Water Stable Aggregates in a Primary Saline Alkali Soil	HE Ruicheng, et al(310)
Influence of Dry-Wet Cycles on Aggregate Stability of Yellow Soil in Southwest China	WU Lingli, et al(317)
Effects of Citric Acid on Competitive Adsorption of Zn and Cd by Soil Micro-aggregates in a Tea Plantation	YANG Yi, et al(322)
An Experimental Study on Influencing Factors Under Subsurface Drip Irrigation	FAN Wangtao, et al(330)
A Study on Water and Salt Movement Law of Freezing and Thawing Soil Under Snow and Surface Coverage	TANG Wenzheng, et al(337)

《水土保持学报》第 7 届(2017—2020 年)编委会名单

编委会主任:刘宝元

编委会副主任:付会芳

编委会成员(按姓氏笔划排序):						
山	仑	(院 士)	马永清	王光谦	(院 士)	
王全九	王 瑄	韦革宏	付会芳	邓良基	史衍玺	刘文兆
刘宝元	刘国彬	刘春生	刘 鹏	吕 军	成自勇	何丙辉
李占斌	李定强	李 勇	邵明安	张旭东	张兴昌	张杨珠
张科利	张福锁	吴启堂	吴普特	沈其荣	余新晓	陈求稳
陈洪松	陈新平	林昌虎	杨明义	杨 洁	卓慕宁	姚文艺
赵成义	赵雨森	郑粉莉	郑晓静	(院 士)	贺秀斌	宫渊波
阎百兴	黄占斌	黄炎和	康绍忠	(院 士)	傅伯杰	(院 士)
梁 音	曾 波	董治宝	程积民	雷廷武	雷国平	谭文峰
蔡体久	蔡崇法	蔡强国	戴全厚			
Bingcheng Si(加拿大)			Changhui Peng(加拿大)			
Chi-hua Huang(美国)			D. E. Walling(英国)			
Franz Makeschin(德国)			Frédéric Darboux(法国)			
Ning-hu Su(澳大利亚)			Robert Horton(美国)			
Sang-Soo Kwak(韩国)			Yun Chen(澳大利亚)			

水土保持学报(双月刊 1987 年创刊)		JOURNAL OF SOIL AND WATER CONSERVATION	
Shuitu Baochi Xuebao		Bimonthly (Started in 1987)	
第 31 卷第 3 期(总第 150 期) 2017 年 6 月		Vol. 31 No. 3(Total No. 150) Jun. ,2017	
主办单位	中国土壤学会 中国科学院水利部水土保持研究所	Sponsored by	Soil Science Society of China 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	刘 宝 元	Editor-in-Chief	LIU Baoyuan
编辑出版	《水土保持学报》编辑部 (陕西 杨凌 西农路 26 号 邮编 712100) (电话: 02987012707 传真:02987012210)	Edited and Published by	Editorial Department of Journal of Soil and Water Conservation(Tel:02987012707) (Xinong Road No. 26, 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	陕西省邮政局	Distributed by	The Post Office of Shaanxi Province
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, China 100044)

ISSN 1009-2242 CN 61-1362/TV	国内外公开发行	国内邮发代号:52-150	国外发行代号:BM4722
E-mail: journal@ms. iswc. ac. cn	http://stbexb. alljournal. com. cn/ch/index. aspx		定价:40 元