

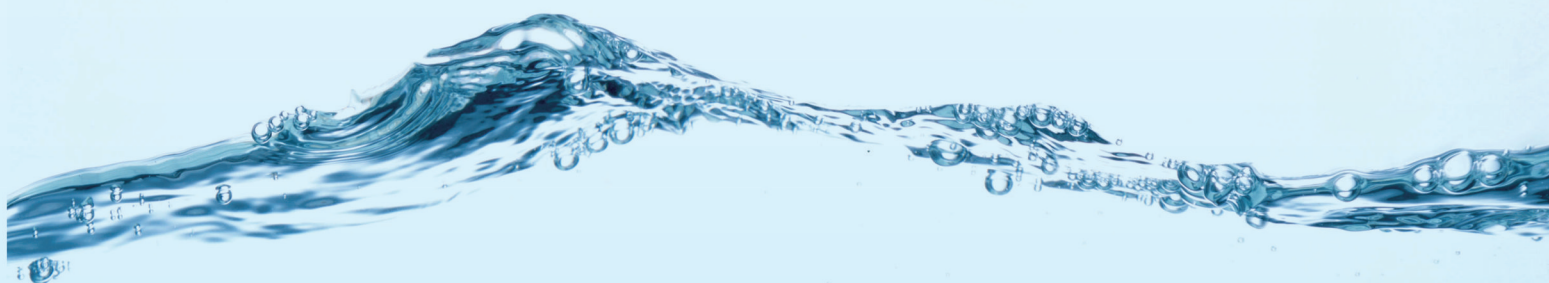


国家期刊奖提名奖 | 中国国际影响力优秀期刊 | ISSN 1009-2242
中国精品科技期刊 | 中国百种杰出学术期刊 | CN 61-1362/TV

水土保持学报

JOURNAL OF SOIL AND WATER CONSERVATION

第33卷 第6期 Vol.33 No.6 **2019**



ISSN 1009-2242



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33卷第6期 2019年12月

目次

雷达测雨及其在土壤侵蚀中的应用研究进展	田丹丹, 殷水清(1)
丛枝菌根真菌促进植物摄取土壤磷的作用机制	薛英龙, 李春越, 王苾蓉, 等(10)
地形因子计算方法对土壤侵蚀评价的影响	梁晓珍, 符素华, 丁琳(21)
土石混合崩积体坡面细沟跌坑发育试验研究	蒋芳市, 张海东, 陈培松, 等(27)
生育期对红壤旱坡花生地氮素径流流失的影响	王凌云, 聂小飞, 左继超, 等(34)
模拟降雨条件下垄沟坡度对溶解态氮磷流失的影响	扈晓碟, 张含玉, 刘前进, 等(41)
稻田田面水与排水径流中胶体磷流失贡献及流失规律	闫大伟, 梁新强, 王飞儿, 等(47)
喀斯特坡地侵蚀泥沙养分流失与粒径分布的关系	周梦玲, 郭建斌, 崔明, 等(54)
植被毯对内蒙古清水河县黄土丘陵区沟壑区黄土边坡产流产沙量的影响	郭宇, 王树森, 马迎梅, 等(61)
敦煌阳关西土沟流域高含沙洪水河道入渗特征分析	程文举, 席海洋, 张经天(72)
地面覆盖条件下雨强和坡度对红黏土坡面侵蚀过程的影响	常松涛, 查轩, 黄少燕, 等(79)
延怀盆地葡萄种植区不同土地利用方式表土风蚀特征分析	李晓娜, 宋进库, 张微微, 等(86)
2种雨型的黄土坡面侵蚀室内试验	朱建东, 吴礼舟, 李绍红, 等(92)
模拟降雨条件下地表起伏对产流产沙的影响	李和谋, 梁心蓝, 赵小东, 等(99)
短历时强降雨对典型喀斯特坡耕地侵蚀产沙的影响	任青青, 严友进, 甘艺贤, 等(105)
鄂东南崩岗区花岗岩风化岩体抗剪强度的异向性	娜荷芽, 魏玉杰, 陈敏, 等(113)
晋西黄土区不同植被类型土壤抗冲性及表层根系分布特征	金晓, 陈丽华(120)
基于 SWAT 模型的寿昌江流域产沙模拟及影响因素分析	李朝月, 方海燕(127)
黄土丘陵区不同坡度撂荒地入渗特征影响因素试验研究	肖婧, 王兵(136)
玉米马铃薯间作和起垄对坡面水动力学特性的影响	欧阳緘人, 字淑慧, 吴开贤, 等(143)
砾石覆盖对紫色土坡面流水动力学参数的影响	马晨雷, 戴翠婷, 刘窑军, 等(150)
肥液浓度对浑水膜孔灌多点源入渗水氮运移的影响	康守旋, 费良军, 姜瑞瑞, 等(156)
岩溶山地植被恢复中碳酸盐岩红土入渗特征及其影响因素	冯娜, 刘冬冬, 赵荣存, 等(162)
宁夏清水河流域水库拦沙量分析	杨吉山, 张晓华, 宋天华, 等(170)
黄土丘陵区典型植被土壤物理性质差异及其对导水特性影响	李永宁, 王忠禹, 王兵, 等(176)
定量分解气候变化与人类活动对季节径流变异的贡献率	魏晓婷, 黄生志, 黄强, 等(182)
黄土区高标准梯田生态服务功能及其价值	王彦武, 牛莉婷, 张峰, 等(190)
御道口牧场不同类型防护林的枯落物水文效应	郝弯弯, 赵鹏, 李思维, 等(197)
川西亚高山次生林恢复过程中土壤物理性质及水源涵养效应	朱万泽, 盛哲良, 舒树森(205)
晋西黄土残源沟壑区刺槐人工林土壤水分植被承载力研究	王宁, 毕华兴, 郭孟霞, 等(213)
降雨对不同土地利用类型土壤水氮变化特征的影响	杨翠萍, 脱云飞, 张岛, 等(220)
添加木质素和生物炭对土壤氮、磷养分及水分损失的影响	宋彬, 孙茹茹, 梁宏旭, 等(227)
亚热带红壤区不同土地利用方式下的土壤剖面水流特征	张海林, 杨秀锋, 易军, 等(233)
枸杞苜蓿间作模式下水分调控对枸杞光合特性与水分利用的影响	齐广平, 银敏华, 苏鹏海, 等(242)
喀斯特石漠化区林草恢复对土壤团聚体及其有机碳含量的影响	王进, 刘子琦, 鲍恩悛, 等(249)
内蒙古砒砂岩不同类型区土壤有机质与速效钾特征	邢启鑫, 饶良懿, 王志臻, 等(257)
生物炭对豫西丘陵区农田土壤团聚体稳定性及碳、氮分布的影响	悦飞雪, 李继伟, 乔鑫鑫, 等(265)
旱后复水条件下磷添加对白羊草根系形态及氮磷累积的影响	康继月, 王世琪, 刘金彪, 等(273)
化肥减量配合紫云英还田对双季稻产量及氮肥利用率的影响	陈静蕊, 秦文婧, 王少先, 等(280)
增效剂对稻田田面水氮素转化及水稻产量的影响	俞巧钢, 胡若兰, 叶静, 等(288)
不同水盐处理对苜蓿耗水、品质及产量的影响	侯晨丽, 田德龙, 徐冰, 等(293)
盐碱胁迫对文冠果幼苗水力学特征和碳素分配的影响	张芸香, 王林, 田吉, 等(299)
不同灌水量对黄河三角洲盐碱地改良效果研究	胡琴, 陈为峰, 宋希亮, 等(305)
有机—无机配施对盐渍土壤水稻生长及养分利用的影响	陈猛猛, 张士荣, 吴立鹏, 等(311)
湿地松林土壤生化特性和酶活性对模拟硫沉降的响应	房焕英, 肖胜生, 潘萍, 等(318)
不同热解温度茶渣生物质炭对茶园土壤吸附解吸 NH_4^+ —N 的影响	林婉媛, 夏建国, 肖欣娟, 等(326)
重庆梁滩河表层沉积物氮形态时空特征及影响因素	刘欢, 孔维苇, 王晓锋, 等(332)
芜湖市城区驾校微环境地表灰尘中汞的分布特征及影响因素	王月, 方凤满, 吴明宏, 等(342)
福州不同农田土地利用类型土壤碳氮磷生态化学计量学特征	刘旭阳, 陈晓旋, 陈优阳, 等(348)
改良剂配合水分管理减少水稻吸收土壤中镉的研究	徐颖菲, 谢国雄, 章明奎(356)
外源 H_2O_2 对镉胁迫下酸枣幼苗生长及生理特性的缓解效应	麻云霞, 李钢铁, 梁田雨, 等(361)
不同马铃薯品种对 Cd、Pb 吸收累积的差异	黄芳, 辜娇峰, 周航, 等(370)

期刊基本参数: CN 61-1362/TV * 1987 * b * A4 * 376 * zh * P * ¥45.00 * 1000 * 52 * 2019-12

万方数据

执行主编

付会芳

责任编辑

王红红

董志刚

Contents

Advances in Radar Rainfall Measurement and Its Application in Soil Erosion	TIAN Dandan, et al(1)
Mechanisms of Phosphorus Uptake from Soils by Arbuscular Mycorrhizal Fungi	XUE Yinglong, et al(10)
The Influence of Terrain Factors' Calculation Methods on Soil Erosion Evaluation	LIANG Xiaozhen, et al(21)
Experimental Study on the Drop Pit Development of Rill Erosion on Soil-rock Mixed Colluvial Deposit Slopes	JIANG Fangshi, et al(27)
Effects of Growth Periods on Nitrogen Loss in Runoff of Peanut Land on Dry Slope of Red Soil	WANG Lingyun, et al(34)
Impact of Furrow Slopes on Losses of Dissolved Nitrogen and Phosphorus Under Simulated Rainfall	HU Xiaodie, et al(41)
Contribution of Colloidal Phosphorus Loss in Runoff of Paddy Surface Water and Drainage	YAN Dawei, et al(47)
Relationship Between Nutrient Loss and Particle Size Distribution in Eroded Sediment of Karst Slope	ZHOU Mengling, et al(54)
Effect of Vegetation Carpet on Runoff and Sediment Yield of Loess Slope in Hilly-Gully Loess Region of Qingshuihe County, Inner Mongolia	GUO Yu, et al(61)
Analysis on Infiltration Characteristics of Hyper-concentrated Flood River Channel in Xitugou Watershed of Yangguan, Dunhuang	CHENG Wenju, et al(72)
Influence of Rainfall Intensity and Slope on Red Clay Slope Erosion Under Mulching Conditions	CHANG Songtao, et al(79)
Wind Erosion Characteristics of Surface Soil Under Different Land Uses in Grape Planting Area of Yanhuai Basin	LI Xiaona, et al(86)
Laboratory Experiment of Rainfall-induced Erosion on Loess Slopes Under Two Rainfall Patterns	ZHU Jiandong, et al(92)
Effects of Surface Relief on Runoff and Sediment Yield Under Simulated Rainfall Experiments	LI Hemou, et al(99)
Effects of Short-Duration High-Intensity Rainfall on Erosion and Sediment Yield of Typical Karst Slope Farmland	REN Qingqing, et al(105)
The Anisotropy of Shear Strength for Granitic Soils in Collapsing Gully Erosion Area of Southeastern Hubei	NA Heya, et al(113)
Soil Anti-scourability and Root Distribution Characteristics in Surface Soil Under Different Vegetation Types in the Loess Region of Western Shanxi Province	JIN Xiao, et al(120)
Simulation of Sediment Yield and Analysis of Influencing Factors in the Shouchang River Basin Based on SWAT Model	LI Chaoyue, et al(127)
Experimental Study on the Influence Factors of Infiltration Characteristics of Abandoned Grassland with Different Slope Gradients in Loess Hilly Region	XIAO Jing, et al(136)
Effects of Maize and Potato Intercropping and Ridging on Flow Hydraulics Under Simulation Rainfall	OUYANG Chengren, et al(143)
Effects of Gravel Covering on Hydraulic Characteristics of Slope Flow on Purple Soil	MA Chenlei, et al(150)
Effect of Fertilizer Concentration on Water and Nitrogen Migration in Multi-point Source Infiltration of Hydrophobic Membrane	KANG Shouxuan, et al(156)
Infiltration Characteristics and Influencing Factors of Carbonate Laterite from Karst Mountain Areas During Vegetation Restoration	FENG Na, et al(162)
Analysis of Sediment-Retaining Amount by Reservoirs in Qingshuihe Watershed of Ningxia	YANG Jishan, et al(170)
Differences in Soil Physical Properties of Typical Vegetation in Loess Hilly Region and Effects on Water Conductivity	LI Yongning, et al(176)
Quantitative Decomposition of Contributions of Climate Change and Human Activities to Seasonal Runoff Variability	WEI Xiaoting, et al(182)
Ecological Service Function and Its Value of High-standard Terrace in Loess Region	WANG Yanwu, et al(190)
Hydrologic Effects of Different Forest Types Shelterbelt Litter in Yudaokou Ranch	HAO Wanwan, et al(197)
Soil Physical Properties and Water Holding Capacity of Natural Secondary Forests in a Sub-alpine Region of Western Sichuan, China	ZHU Wanze, et al(205)
Study on Soil Water Vegetation Carrying Capacity of <i>Robinia pseudoacacia</i> Plantation in the Loess Gully Area of Western Shanxi Province	WANG Ning, et al(213)
Effects of Rainfall on Soil Water and Nitrogen Change Characteristics Under Different Land Uses	YANG Cuiping, et al(220)
Effects of Lignin and Biochar Addition on Soil Nitrogen and Phosphorus Nutrients and Water Loss	SONG Bin, et al(227)
Characteristics of Red Soil Water Flows Under Different Land Use Types in the Subtropics Zone	ZHANG Hailin, et al(233)
Effects of Water Regulation on Photosynthetic Characteristics and Water Use of <i>Lycium Barbarum</i> Under the Mode of Intercropping Alfalfa and <i>Lycium Barbarum</i>	QI Guangping, et al(242)
Effects of Forest and Grass Restoration on Soil Aggregates and Its Organic Carbon in Karst Rocky Desertification Areas	WANG Jin, et al(249)
Characteristics of Soil Organic Matter and Available Potassium in Different Types of Pisha Sandstone Area of Inner Mongolia	XING Qixin, et al(257)
Effects of Biochar Application on Soil Aggregates Stability and Organic Carbon and Total Nitrogen Distribution in the Hilly Area of Western Henan Province, China	YUE Feizue, et al(265)
Effects of Phosphorus Addition on Root Morphology, Nitrogen and Phosphorus Accumulation of Old World Bluestems Under Re-watering After Drought	KANG Jiyue, et al(273)
Effects of Reduced Chemical Fertilizer Combined with Chinese Milk Vetch (<i>Astragalus sinicus</i> L.) Incorporation on Rice Yield and Nitrogen Use Efficiency in Double—rice Cropping System	CHEN Jingrui, et al(280)
Effects of Synergist Addition on the Nitrogen Transformation of Surface Water and Rice Yield in Paddy Field	YU Qiaogang, et al(288)
Effects of Different Water and Salt Conditions on Water Consumption, Quality and Yield of Alfalfa	HOU Chenli, et al(293)
Effects of Saline-alkali Stress on Hydraulic Characteristic and Carbon Allocation in <i>Xanthoceras sorbifolia</i> Seedling	ZHANG Yunxiang, et al(299)
Study on Improvement Effect of Different Irrigation Volumes on Saline-alkali Land in the Yellow River Delta	HU Qin, et al(305)
Effects of Combined Application of Organic and Inorganic Fertilizers on Rice Growth and Agronomic Efficiency in Saline Soil	CHEN Mengmeng, et al(311)
Effects of Sulphur Deposition on Soil Biochemical Properties and Enzymes Activities in <i>Pinus elliottii</i> Plantation	FANG Huanying, et al(318)
Effect of $\text{NH}_4^+ - \text{N}$ Adsorption-desorption by Tea Residue Biochar Prepared at Different Pyrolysis Temperatures in Tea Plantation Soil	LIN Wanpin, et al(326)
Temporal and Spatial Characteristics and Influencing Factors of Nitrogen Morphology in Surface Sediments of Liangtan River, Chongqing	LIU Huan, et al(332)
Distribution Characteristics and Influencing Factors of Mercury in Surface Dust of Driving School Micro-environment in Wuhu City	WANG Yue, et al(342)
Ecological Stoichiometric Characteristics of Soil Carbon, Nitrogen and Phosphorus Under Different Agricultural Land-Use Types in Fuzhou	LIU Xuyang, et al(348)
Reduction of Cadmium Uptake of Rice Plant from Soil by Application of Amendments Combined with Water Management	XU Yingfei, et al(356)
Alleviative Effects of Exogenous H_2O_2 on Growth and Physiological Characteristics of <i>Zizyphus jujuba</i> Seedlings Under Cadmium Stress	MA Yunxia, et al(361)
Differences of Cadmium and Lead Absorption and Accumulation in Different Potato Varieties	HUANG Fang, et al(370)