

山地学报 第 29 卷(2011) 总目次

第 1 期

加强人山关系地域系统为核心的山地科学研究	钟祥浩(1)
高寒山区退耕地不同植被恢复方式下群落稳定性	赵成章,董小刚,石福习,达光文,杨文斌(6)
基于树轮资料重建祁连山东段冷龙岭 1848 年以来的干湿变化	侯迎,王乃昂,张学敏,程弘毅,路俊伟(12)
黑河中游山前平原区退耕地土壤有机碳库特征	常宗强,裴雯,冯起,苏永红(19)
哀牢山山顶苔藓矮林林冠腐殖土的养分含量和微生物生物量特征	李泽西,刘文耀,陈林,宋亮(26)
天山北坡三工河流域中山带森林发育与气候土壤的关系	李艳忠,罗格平,许文强,尹昌应,韩其飞,冯异星(33)
新疆天山北坡日照时数变化特征	
——以玛纳斯-石河子-沙湾线为例	禹朴家,徐海量,张青青,侯亮,安红燕,龚君君(43)
基于 HEC-HMS 模型的时间步长对次洪模拟的影响分析	林峰,陈莹,陈兴伟,陈芬(50)
低丘红壤区不同降雨类型对浅层地下水位动态变化的影响	
——以江西省余江县为例	程训强,王明珠,唐家良,张斌(55)
海南省大敢森林景观恢复示范区退化原始林特征	张晓红,邵景安,张超,马志波(62)
高速远程滑坡超前冲击气浪动力学机理	程谦恭,王玉峰,朱圻,王宏丹(70)
降雨型滑坡预报中计算前期有效降雨量的一种新方法	李长江,麻土华,孙乐玲,朱兴盛(81)
强降雨在山地灾害链成灾演化中的关键控制作用	崔云,孔纪名,田述军,阿发友(87)
坡顶条形荷载作用边坡潜在滑裂面与稳定性分析	何思明,张晓曦,罗渝(95)
交错齿槛槽排导粘性泥石流的试验	高全,陈晓清,贾世涛,黄凯(101)
云南省公路水毁时空分布与态势	张家明,徐则民,刘华磊(109)
西藏乌柳群落特征	朱雪林,黄清麟,张超,普布顿珠,旦增(116)
西藏灌木林种群分布格局	张超,黄清麟,普布顿珠,旦增(123)

第 2 期

山地生态学的研究进展、重点领域与趋势	王根绪,邓伟,杨燕,程根伟(129)
长江流域侵蚀产沙尺度效应的区域分异	闫云霞,许炯心,Marwan Hasson,廖建华(141)
基于 GIS 的梅里雪山国家公园土壤侵蚀敏感性情景分析	张志明,尹梅,孙振华,王文礼,欧晓昆(154)
云南哀牢山麓季风常绿阔叶林及思茅松林的群落学特征	宋亮,刘文耀,马文章,赵相健,周蒙,杨国平(164)
九寨沟自然保护区景观变化与保护	邓贵平,颜磊,章小平(173)
末次盛冰期长江南京下关-栖霞山段的古河槽	曹光杰,张玉兰,李彦彦(183)
河北省天桂山典型溶洞景观成因类型	王健,陈琢,张梅平,黄华芳(188)
龙虎山世界地质公园丹霞地貌成景系统特征及其演化	郭福生,姜勇彪,胡中华,刘林清,李虹(195)
龙虎山丹霞地貌危岩景观成因及保护	姜伏伟,郭福生,姜勇彪,胡中华(202)
无泥型软弱层带饱水前后强度特性现场试验	胡卸文,伊小娟,胡恒洋,曾记全(210)
堰塞湖溃决人工结构体滞洪效果实验研究	陈晓清,赵万玉,高全,贾世涛,朱兴华(217)
粘性泥石流沟口回淤实验研究	柳雪峰,游勇(226)
泥石流警报技术探索	钟敦伦,张金山,谢洪,崔鹏(234)
基于信息量模型的玉树地震次生地质灾害危险性评价	牛全福,程维明,兰恒星,刘勇,颀耀文(243)

II

暴雨泥石流冲出距离预测	铁永波,唐川,倪化勇(250)
关于《贵州关岭“6.28”特大滑坡特征和成因机理》一文的商榷	张信宝(254)

第3期

格尔木河流域面积-高程积分值的地貌学分析	张敬春,李川川,张梅,刘耕年(257)
滇西北纳帕海湿地区域土壤速效氮组分的分异及指示意义	胡金明,袁寒,李杰,董云霞,马彬斌(269)
2009年喀喇昆仑山叶尔羌河冰川阻塞湖及冰川跃动监测	牛竞飞,刘景时,王迪,Kenneth Hewitt(276)
环青海湖风能资源的评估——以沙珠玉为例	李应业,时兴合,戴升,汪青春(283)
九华山森林生态系统生态服务价值评估	张乐勤,荣慧芳,许杨,许信旺(291)
ENSO与长江流域中游地区雨季极端降水的关系	汶林科,崔鹏,杨红娟,邹强,向灵芝(299)
基于遥感技术的三峡库区土壤侵蚀量评估及影响因子分析	范建容,刘飞,郭芬芬,张怀珍(306)
金沙江奔子栏-达日河段大型泥石流堆积扇的成因机制	陈剑,崔之久,戴福初,许冲(312)
汶川地震后四川安县甘沟堵溃泥石流及其对策	游勇,陈兴长,柳雪峰(320)
小湾水电站库区新民坝子滑坡稳定性研究	刘云鹏,黄润秋,邓辉(328)
“8.13”四川清平群发性泥石流灾害成因及其影响	苏鹏程,韦方强,冯汉中,游勇,程尊兰,徐爱松(337)
应用于滑坡的拉力型锚索失效机理	罗强,李亮(348)
都汶路恢复重建中的主要地震次生山地灾害与明洞工程	王全才,王兰生,李宗有,王浩,徐小林(356)
藏东南色季拉山急尖冷杉林线地带地上生物量随海拔的变化特征	刘新圣,张林,孔高强,罗天祥(362)
青藏高原典型冰湖溃决泥石流预警技术	程尊兰,洪勇,黎晓宇(369)
青藏高原城镇化动力机制的演变与优化——以“一江两河”地区为例	唐伟,钟祥浩,周伟(378)

第4期

庐山 JL 剖面红土磁化率特征及古环境记录	朱丽东,姜永见,张明强,叶玮,李凤全,冯义雄(385)
九寨沟箭竹海沉积物中 BSi 含量及其环境指示意义	李世广,胡欣欣,唐亚,黄成敏(395)
哈萨克斯坦东北部 310 年来初夏温度变化的树轮记录	尚华明,魏文寿,袁玉江,喻树龙,张同文,张瑞波(402)
山地高梯度森林生物质能效应研究(I):研究方法	明庆忠,郭树荣,角媛梅(409)
山地高梯度森林生物质能效应研究(II):案例	明庆忠,郭树荣,角媛梅(417)
山坡土壤化学性质的空间变异影响	冯德程,刘金涛,陈喜(427)
基于 GIS 的汶川地震灾区小流域土壤侵蚀评价 ——以彭州龙门山区为例	司渤洋,第宝锋,张斌,余波(433)
基于遥感和 GIS 的黄土高原中阳县土壤侵蚀评价	王晓慧,陈永富,陈尔学,雒艳兰(442)
河南襄城植烟田土壤肥力空间变异性与适宜性综合评价	陈海生,裴孝钟,魏跃伟,刘国顺(449)
近 50 多年来新疆伊犁河谷产业结构演进特征	高翠霞,陈忠升,陈亚鹏,陈亚宁(459)
紫色土坡耕地细沟发育的形态演变	严冬春,王一峰,文安邦,史忠林,龙翼(469)
裂点发育及其对堰塞坝的稳定性影响	张康,王兆印,刘怀湘,余国安(474)
汶川地震触发的绵远河流域崩塌滑坡的特征	李为乐,黄润秋,唐川,许强(483)
厚层堆积层震裂斜坡变形特征及破坏机制 ——以小金县某震裂不稳定斜坡为例	侯伟龙,巨能攀,屈科,杨红兵,王科(493)
拉力分散型锚索在边坡二次加固中的应用	丁瑜,乔建平,王全才(499)
不同成因类型堰塞湖的应急处置措施比较	邓宏艳,孔纪名,王成华(505)

第5期

物种功能多样性及其研究方法	张金屯,范丽宏(513)
---------------------	--------------

长江上游优先保护生态系统类型及分布	朱万泽,王玉宽,范建容,申旭红,田兵伟,魏宗华(520)
锥峰和塔峰溶丘地貌的表层喀斯特带径流溶蚀形成机制	张信宝,刘再华,王世杰,陈喜(529)
山地灾害和人类活动干扰下九寨沟下季节海的沉积变化	陈盼,唐亚,乔雪,肖维阳,蹇代军(534)
黔东南地区景观格局的动态变化及驱动力	郭烁,杜世宏,赵松婷,吕靓(543)
长白山突变型林线岳桦对气候变化的响应	王晓东,刘惠清(551)
西南山地森林变化对洪水频率影响的模拟	程根伟,石培礼,田雨(561)
基于多源信息的区域尺度山地植被带数字化提取	孙然好,张百平,许娟(566)
云南高原城市发展对降雨的影响——以楚雄市为例	李宏波,何萍(575)
重庆市三峡库区工业园区土地集约利用评价	于世杰,邱道持(581)
从空间 Poisson 过程看蒋家沟泥石流	李泳,苏鹏程,苏凤环(586)
河北省宽城县某滑坡特征与稳定性评价	彭永良,郭得令,胡卸文,顾成壮,周军(591)
“5.12”汶川地震诱发典型滑坡的类型和特征	李秀珍,孔纪名(598)
泥石流堆积扇重构系统的设计与实现	李洪雷,胡凯衡,李泳,杨宇(608)
青藏高原西北缘地形抬升速率与地质年代的关系	赵尚民,周成虎,程维明,陈曦(616)
青藏高原夏季夜雨率空间分布及其变化特征	余忠水,康世昌,蒋建莹(627)
CoLM 模型在高原多年冻土区的单点模拟适用性	肖瑶,赵林,李韧,姚济敏(633)

第 6 期

格氏栲天然林土壤有机碳空间分布及其影响因素

.....	刘金福,苏松锦,何中声,洪伟,吴彩婷,董金相,黎丽珍(641)
基于地统计学的甘肃臭草群落土壤水分空间异质性	史丽丽,赵成章,高福元,张军霞,张静(649)
地表覆盖对坡面流流速影响的模拟试验	曹颖,张光辉,唐科明,罗榕婷(654)
澜沧江—湄公河干流底沙重金属含量空间变化及污染评价	苏斌,傅开道,钟荣华,宋静宜(660)
岷江干旱河谷中心地段植被微尺度空间格局特征	王晶,包维楷(668)
武夷山风景名胜区景观格局演变与驱动机制	游巍斌,何东进,黄德华,洪伟,詹仕华,巫丽芸,覃德华,陈炳容,俞建安,蒋鑫(677)
面向对象的山区区域多源遥感影像分割尺度选择及评价	鲁恒,李永树,唐敏(688)
土地利用结构多目标优化遗传算法	黄海(695)
北京山区林地土壤水分动态变化	王贺年,余新晓,李轶涛(701)
基于 GIS 和 RS 的四川省彭州市土壤侵蚀敏感性评价	陈学华,周建中(707)
贵州喀斯特石山植被的自然恢复——以公路裸岩陡边坡为例	朱克亮(713)
国外土壤微形态学研究的进展	徐祥明,何毓蓉(721)
永胜金沙江寨子村古滑坡和古堰塞湖的发现	李乾坤,徐则民,张家明(729)
汶川地震后四川省都江堰市龙池镇群发泥石流灾害	余斌,马煜,张健楠,吴雨夫,张惠惠,李丽,褚胜名,亓星(738)
基于分形维数权重的泥石流危险度评价	王威,田杰,马东辉,刘晓然(747)
南京幕府山地区地质灾害与地热调查	孙伟,朱诚,王晓翠,马春梅,李兰,章锦河,吴立(753)

JOURNAL OF MOUNTAIN SCIENCE CONTENTS of Vol. 29, 2011

No. 1

- Strengthen Research on Mountain Science as the Core of Man-mountain Areal System ZHONG Xianghao(5)
- Community Stability under Different Vegetations Restored of Abandoned Lands in Alpine Areas
..... ZHAO Chengzhang, DONG Xiaogang, SHI Fuxi, DA Guangwen, YANG Wenbin(11)
- Precipitation Reconstruction from Tree Ring Width over the Eastern Part of the Qilian Mountains, Northwestern China
..... HOU Ying, WANG Naiang, ZHENG Xuemin, CHENG Hongyi, LU Junwei(18)
- Soil Organic Carbon Character to Vegetations Changing from Abandoned Farmlands in Plain before Mountain in Middle Part
of Heihe River CHANG Zongqiang, PEI Wen, FENG Qi, SU Yonghong(25)
- Physical and Chemical Properties and Microbial Biomass of Canopy Soil in the Montane Cloud Forest in Ailao Mountains
..... LI Zexi, LIU Wenyao, CHEN Lin, SONG Liang(32)
- Forest Development and Their Relationships with Climatic and Soil in the Mid-mountain Area of Sangong River Watershed, Northern
Slope of Tianshan Mountains LI Yanzhong, LUO Geping, XU Wenqiang, YIN Changying, HAN Qifei, FENG Yixing(42)
- Variation of Sunshine Hour in the North Slope of Tianshan Mountains, Xinjiang—A Case Study of Manasi-Shihezi-Shawan
..... YU Pujia, XU Hailiang, ZHANG Qingqing, HOU Liang, AN Hongyan, GONG Junjun(49)
- Effects of Time Step Length on Simulation Results of the HEC – HMS LIN Feng, CHEN Ying, CHEN Xingwei, CHEN Fen(54)
- Dynamic Changes of Underground Water Tables Affected by Different Rainfall Types in Low Hilly Red Soil Area
——A Case Study of Yujiang County, Jiangxi CHENG Xunqiang, WANG Mingzhu, TANG Jialiang, ZHANG Bin(61)
- Characteristics of Degraded Primary Forests in Dagan Demonstration Area of Forest Landscape Restoration, Hainan
..... ZHANG Xiaohong, SHAO Jing'an, ZHANG Chao, MA Zhibo(69)
- Dynamics of the Airblasts Generated by Rock Avalanches CHENG Qiangong, WANG Yufeng, ZHU Qi, WANG Hongdan(80)
- A New Approach to Calibrate Antecedent Precipitation for Rainfall-triggering Landslide Forecast
..... LI Changjiang, MA Tuhua, SUN Leling, ZHU Xinsheng(86)
- The Critical Role for Heavy Rainfall in the Evolution of the Mountain Hazards Chains
..... CUI Yun, KONG Jiming, TIAN Shujun, A Fayou(94)
- Potential Sling Surface Position and Slope Stability Analysis under the Strip Load HE Siming, ZHANG Xiaoxi, LUO Yu(100)
- Experiment of Drainage Canal with Indented-sill for Viscous Debris Flow
..... GAO Quan, CHEN Xiaoqing, JIA Shitao, HUANG Kai(108)
- Spatial-temporal Distribution and Situation of Water-wastering of Highways in Yunnan
..... ZHANG Jiaming, XU Zemin, LIU Hualei(115)
- Characteristics of *Salix cheilophila* Communities in Tibet
..... ZHU Xuelin, HUANG Qinglin, ZHANG Chao, PUBU Dunzhu, DAN Zeng(122)
- Population Distribution Patterns of Shrub in Tibet ZHANG Chao, HUANG Qinglin, PUBU Dunzhu, DAN Zeng(128)

No. 2

- The Advances, Priority and Developing Trend of Alpine Ecology
..... WANG Genxu, DENG Wei, YANG Yan, CHENG Genwei(140)
- Spatial Variation of Scale Effects of Sediment Yield in the Yangtze River Basin
..... YAN Yunxia, XU Jiongxin, Marwan Hasson, LIAO Jianhua(153)

A GIS – based Soil Erosion Model for Assessment of Vegetation Scenarios in Meili Snow Mountain National Park, Yunnan, China	.....	ZHANG Zhiming, YIN Mei, SUN Zhenhuan, WANG Wenli, OU Xiaokun	(162)
Community Characteristics of Monsoon Evergreen Broad-leaved and <i>Pinus kesiya</i> var. <i>langbianensis</i> Forests in the West Foot of Ailao Mountain, Yunnan	.....	SONG Liang, LIU Wenyao, MA Wenzhang, ZHAO Xiangjian, ZHOU Meng, YANG Guoping	(172)
The Changes of Landscape and the Adaptive Management Strategies at Jiuzhaigou Nature Reserve in Sichuan, China	.....	DENG Guiping, YAN Lei, ZHANG Xiaoping	(182)
The Paleo-valley in Xiaguan-Qixia Mountain of Nanjing Reach of the Yangtze River during the Last Glacial Maximum	.....	CAO Guangjie, ZHANG Yulan, LI Yanyan	(187)
The Genetic Sorts of the Typical Karst Caves in Tianguishan, Hebei Province	.....	WANG Jian, CHEN Zhuo, ZHANG Meiping, HUANG Huafang	(194)
Evolution and Genesis System Features of Danxia Lanform in Longhushan World Geopark	.....	GUO Fusheng, JIANG Yongbiao, HU Zhonghua, LIU Linqing, LI Hong	(201)
Causes of Formation and Protection for Landscape-rockfall of Danxia Landform in Longhushan	.....	JIANG Fuwei, GUO Fusheng, JIANG Yongbiao, HU Zhonghua	(209)
Field Test on Strength Characteristics of Non-clay Weak Interbed before and after Saturation	.....	HU Xiewen, YI Xiaojuan, HU Hengyang, ZENG Jiquan	(215)
Experimental Research on Effect of Man-made Structure Controlling Dam-break Flood	.....	CHEN Xiaoqing, ZHAO Wanyu, GAO Quan, JIA Shitao, ZHU Xinghua	(225)
Experimental Study on Back Siltation in the Outlet of Viscous Debris Flow Channel	.....	LIU Jinfeng, YOU Yong	(233)
Techniques of Debris Flow Alarm	.....	ZHONG Dunlun, ZHANG Jinshan, XIE Hong, CUI Peng	(242)
Susceptibility Assessment of Secondary Geological Disaster Based on Information Value Methodology for Yushu Earthquake Region	.....	NIU Quanfu, CHENG Weiming, LAN Hengxing, LIU Yong, XIE Yaowen	(249)
Predication of Rainstorm-induced Debris Flow Runout Distance	.....	TIE Yongbo, TANG Chuan, NI Huayong	(253)
Discussion with the Article of “on Guizhou Guanling Landslide Formation Mechanism and Its Characteristics”	.....	ZHANG Xinbao	(256)

No. 3

Geomorphologic Analysis of the Golmud River Drainage Basin Based on Hypsometric Integral Value	.....	ZHANG Jingchun, LI Chuanchuan, ZHANG Mei, LIU Gengnian	(268)
Variation of Soil Rapid Available Nitrogen Components and Its Implication in Napahai Lake-Marsh Region, Northwest Yunnan Mountain	.....	HU Jinming, YUAN Han, LI Jie, DONG Yunxia, MA Binbin	(275)
Monitoring on Ice-dammed Lake and Related Surging Glaciers in Yarkant River, Karakorum in 2009	.....	NIU Jingfei, LIU Jingshi, WANG Di, Kenneth Hewitt	(282)
Evaluation of Wind Resources in Qinghai Lake; Shazhuyu Example	.....	LI Yingye, SHI Xinghe, DAI Sheng, WANG Qingchun	(290)
Evaluation Research of the Service Value of the Forest Ecosystem in Jiuhua Mountain, Anhui	.....	ZHANG Leqin, RONG Huifang, XU Yang, XU Xingwang	(298)
The Relationship between ENSO and the the Precipitation Extremes along the Middle Reaches of Yangtze River during the Monsoon Season	.....	WEN Linke, CUI Peng, YANG Hongjuan, ZOU Qiang, XIANG Lingzhi	(305)
Soil Erosion Assessment and Cause Analysis in Three Gorges Reservoir Area Based on Remote Sensing	.....	FAN Jianrong, LIU Fei, GUO Fenfen, ZHANG Huaizhen	(311)
Genetic Mechanism of the Major Debris-flow Deposits at Benzilan-Dari Segment, the Upper Jinsha River	.....	CHEN Jian, CUI Zhijiu, Dai Fuchu, XU Chong	(319)
Dam-breaking Debris Flows and Its Countermeasures of Gangou Gully Following the Wenchuan Earthquake in Anxian County,			

Sichuan	YOU Yong, CHEN Xingzhang, LIU Jinfeng (327)
Stability of Xinminbazi Landslide Located in Xiaowan Hydropower Station Reservoir Region	
.....	LIU Yunpeng, HUANG Runqiu, DENG Hui (336)
Causes and Effects of Group-occurring Debris Flow Disasters in Qingping Town, Mianyu River Upstream, Sichuan	
.....	SU Pengcheng, WEI Fangqian, FENG Hanzhong, YOU Yong, CHENG Zunlan, XU Aisong (347)
Investigation into Failure Mechanism of Prestressed Anchor Cables Under Concentrated Tension in Controlling Landslide	
.....	LUO Qiang, LI Liang (355)
Open Tunnel Engineering and Secondary Disasters of Earthquake in the Post-earthquake Reconstruction Projects along Duwen Road	
.....	WANG Quancai, WANG Lansheng, LI Zongyou, Wang Hao, XU Xiaolin (361)
Altitudinal Variation in Aboveground Biomass of <i>Abies georgei</i> var. <i>smithii</i> at Timberline of the Sergymela Mountains, Southeast Tibet	
.....	LIU Xinsheng, ZHANG Lin, KONG Gaoqiang, LUO Tianxiang (368)
The Warning Technology of Debris Flow Caused by Glacier-lake Outburst in Qinghai – Tibet Plateau	
.....	CHENG Zunlan, HONG Yong, LI Xiaoyu (377)
The Evolvement and Optimization of Urbanization Dynamics in “Three – River Area” on Tibetan Plateau	
.....	TANG Wei, ZHONG Xianghao, ZHOU Wei (384)

No. 4

Characteristics of Magnetic Susceptibility and Its Paleoenvironmental Records from JL Red Earth Section, Lushan Area	
.....	ZHU Lidong, JIANG Yongjian, ZHANG Mingqiang, YE Wei, LI Fengquan, FENG Yixiong (394)
Biogenic Silica Distribution in the Sediments from Arrow Bamboo Lake in Jiuzhaigou World Nature Heritage Reserve, China:	
Environmental Implication	LI Shiguang, HU Xinxin, TANG Ya, HUANG Chengmin (401)
Early Summer Temperature History in Northeastern Kazakhstan during the Last 310 Years Recorded by Tree Rings	
.....	SHANG Huaming, WEI Wenshou, YUAN Yujiang, YÜ Shulong ² , ZHANG Tongwen, ZHANG Ruibo (408)
High Gradient Effects of Forest Biomass Energy in Mountainous Region (I): Research Methods	
.....	MING Qingzhong, GUO Shurong, JIAO Yuanmei (416)
High Gradient Effects of Forest Biomass Energy in Mountainous Region (II): Case Study	
.....	MING Qingzhong, GUO Shurong, JIAO Yuanmei (426)
Spatial Variation of Hillslope Soil Chemical Attributes	FENG Dezeng, LIU Jintao, CHEN Xi (432)
Evaluation of Soil Erosion Based on GIS in a Small Watershed in Wenchuan Seismic Disaster Area	
——A Case Study of Longmen Mountain Areas in Pengzhou City	SI Boyang, DI Baofeng, ZHANG Bin, YU Bo (441)
Quantified Evaluation of Soil Erosion in Zhongyang County, the Loess Plateau	
.....	WANG Xiaohui, CHEN Yongfu, CHEN Erxue, LUO Yanlan (448)
Spatial Variability and Comprehensive Suitability Evaluation of Soil Fertility Factors in Xiangcheng Tobacco Planting Region	
.....	CHEN Haisheng, PEI Xiaozhong, WEI Yuewei, LIU Guoshun (457)
Characteristics of Industrial Structure Evolution in Recent More Than 50 Years in Ili River Valley of Xinjiang	
.....	GAO Cuixia, CHEN Zhongsheng, CHEN Yapeng, CHEN Yaning (468)
Configuration Evolvement of Rill Development on Purple Slopeland	
.....	YAN Dongchun, WANG Yifeng, WEN Anbang, SHI Zhonglin, LONG Yi (473)
Effect of Knickpoint Development in Controlling the Stability of the Landslide Dam	
.....	ZHANG Kang, WANG Zhaoyin, LIU Huaixiang, YU Guoan (482)
Landslides Triggered by “5. 12” Wenchuan Earthquake in the Mianyu River Basin, China	
.....	LI Weile, HUANG Runqiu, TANG Chuan, XU Qiang (492)
Deformation Characteristics and Failure Mechanism of Shatter Unstable Slope of Thick Layer Accumulative Formation	

- Taing one Shatter unstable Slope in Xiaojin County as an Example
 HOU Weilong, JU Nengpan, QU Ke, YANG Hongbing, WANG Ke(498)
- Application of Dispersion-type Tensile Cable on Secondary Reinforcement in Slope Engineering
 DING Yu, QIAO Jianping, WANG Quancai(504)
- The Comparison of Emergency Treatment on Dammed Lakes Caused by Different Types Geologic Hazards
 DENG Hongyan, KONG Jiming, WANG Chenghua(510)

No. 5

- Development of Species Functional Diversity and Its Measurement Methods ZHANG Jintun, FAN Lihong(519)
- Types and Distribution of Priority Conservation Ecosystems in the Upper Reaches of the Yangtze River
 ZHU Wanze, WANG Yukuan, FAN Jianron, SHENG Xuhong, TIAN Bingwei, WEI Zonghua(528)
- Dynamic Mechanism of Runoff Corrosion in the Epikarst Zone on the Formation of Cone and Tower Karst Landforms
 ZHANG Xinbao, LIU Zaihua, WANG Shijie, CHEN Xi(533)
- Environmental Change Revealed by Lake Sedimentation in Jiuzhaigou National Reserve, Sichuan, China
 CHEN Pan, TANG Ya, QIAO Xue, XIAO Weiyang, JIAN Daijun(542)
- Change of Landscape Pattern and Its Driving Forces in Qiandongnan Prefecture
 GUO Luo, DU Shihong, ZHAO Songting, LÜ Liang(550)
- Climatic Response of *Betula ermanii* from Closed Treeline in Changbai Mountains WANG Xiaodong, LIU Huiqing(560)
- Simulation of Forest Impacts to the Flood Frequency Characteristics of Mountainous River in South-western China
 CHENG Genwei, SHI Peili, TIAN Yu(565)
- Modeling the Spatial Distribution of Altitudinal Vegetation Belts Based on Multi-source Data
 SUN Ranhao, ZHANG Baiping, XU Juan(574)
- Impact of Urban Development on the Rainfall in Yunnan Plateau
 ——A Case Study in Chuxiong City LI Hongbo, HE Ping(580)
- Exploration for Evaluation of Intensive Land Utilization of the Three Gorges Reservoir Area's Industrial Zone in Chongqing
 YU Shijie, QIU Daochi(585)
- Debris Flow as a Spatial Poisson Process LI Yong, SU Pengcheng, SU Fenghuan(590)
- Characteristics and Stability Analysis of a Landslide in Kuancheng County, Hebei Province
 PENG Yongliang, GUO Deling, HU Xiewen, GU Chengzhuang, ZHOU Jun(597)
- Types and Characteristics of Typical Landslides Triggered by “5. 12” Wenchuan Earthquake LI Xiuzhen, KONG Jiming(607)
- Design and Implementation of Debris Flow Alluvial Fan Reconstruction System
 LI Honglei, HU Kaiheng, LI Yong, YANG Yu(615)
- Relationships between Topographic Uplifting Velocity and Geological Times for the Northwestern Edge of Qinghai – Tibet Plateau
 ZHAO Shangmin, ZHOU Chenghu, CHENG Weiming, CHEN Xi(626)
- Spatial and Temporal Variations of the Night-Rain Rate during Summer over the Tibetan Plateau
 YU Zhongshui, KANG Shichang, JIANG Jianyin(632)
- Applicability of CoLM Model (Single-point) on Permafrost Regions of the Qinghai-Xizang Plateau
 XIAO Yao, ZHAO Lin, LI Ren, YAO Jimin(640)

No. 6

- Spatial Distribution and Influencing Factors of Soil Organic Carbon in Mid-subtropical *Castanopsis kawakamii* Natural Forest
 LIU Jinfu, SU Songjin, HE Zhongsheng, HONG Wei, WU Caiting, DONG Jinxiang, LI Lizhen(647)
- Spatial Variability of Soil Moisture of *Melica przewalskyi* Community Based on Geostatistics

.....	SHI Lili,ZHAO Chengzhang,GAO Fuyuan,ZHANG Jiunxia,ZHANG Jin(653)
Experiment on the Effect of Simulated Surface Cover on the Overland Flow Velocity	
.....	CAO Ying, ZHANG Guanghui, TANG Keming,LUO Rongting(659)
Spatial Change of Heavy Metal Concentration and Pollution Assessment in Bed Loads along Mainstream of the Lancang – Mekong River	..... SU Bin, FU Kaidao, ZHONG Ronghua,SONG Jingyi(667)
Fine-scale Spatial Pattern Typical Vegetation at the Dry Minjiang River Valley	..... WANG Jing,BAO Weikai(676)
Spatial Pattern and Driving Mechanism in Wuyishan Scenery District	
...YOU Weibin, HE Dongjin, Huang Dehua, HONG Wei, WU Liyun, WANG Yinzi, CHEN Bingrong, YU Jianan, FAN Shengfeng(687)	
Evaluation and Selection of Segmentation Scale with Object-oriented Method in Multiple Source Remote Sensing Image of Mountain Areas	..... LU Heng,LI Yongshu,TANG Min(694)
Multi-objective Genetics Algorithm for Land Use Structure Optimization	..... HUANG Hai (700)
Soil Water Dynamics of Four Advantage Forest in Beijing Mountain Area	..... WANG Henian, YÜ Xinxiao, LI Yitao(706)
Soil Erosion Sensitivity Evaluation on Pengzhou in Sichuan Province Based on RS and GIS	
.....	CHEN Xuehua,ZHOU Jianzhong(712)
Vegetation Natural Recovery in Guizhou Karst Area——A Case Study by Highway Rocky Slope	..... ZHU Keliang(720)
Review of Soil Micromorphology in Foreign	..... XU Xiangming,HE Yurong(728)
The Ancient Landslide and Dammed Lake Found in the Jinsha River near Zhaizicun, Yongsheng, Yunnan, China	
.....	LI Qiankun, XU Zemin, Zhang Jiaming(737)
The Group Debris Flow Hazards after the Wenchuan Earthquake in Longchi, Dujiangyan, Sichuan Province	
.....	YU Bin, Ma Yu, ZHANG Jiannan, WU Yufu, ZHANG Huihui, LI Li, CHU Shengming, QI Xing(746)
Evaluation of Dangerous Degree of Debris Flow Basedon Fractal Dimension Weight	
.....	WANG Wei,TIAN Jie,MA Donghui,LIU Xiaoran(752)
Investigation of Geothermal Resource and Geologic Hazards at Mufu Mountain Area in Nanjing	
.....	SUN Wei, ZHU Cheng, MA Chunmei, LI Lan, ZHANG Jinhe, WANG Xiaocui, WU Li(758)