

# 山地学报 第 31 卷(2013) 总目次

## 第 1 期

- 南岭夷平面风化壳发育时间问题探讨——以粤北大布镇剖面为例 ..... 周尚哲, 朱丽东, 李淑珍, 郑景雄(1)
- 生态建设背景下三江源自然保护区生态系统服务价值变化 ..... 赖 敏, 吴绍洪, 戴尔阜, 尹云鹤, 潘 韬, 赵东升(8)
- 南方喀斯特石漠化分区的名称商榷与环境特点 ..... 王世杰, 张信宝, 白晓永(18)
- 基于 ANFIS 的坡地水土流失预测 ..... 李新虎, 赵成义, 杨 洁(25)
- 云南山地土壤垂直带信息图谱分析 ..... 杨月圆, 王金亮, 陈有君(31)
- 九华山山地雾形成的气象条件及地形影响 ..... 汪学军(39)
- 高寒杂类草甸牧压梯度下植被碳密度季节动态及分配特征 ..... 吴启华, 李英年, 刘晓琴, 李红琴, 毛绍娟(46)
- 基于日降雨量的年均降雨侵蚀力估算模型及其应用——以四川省凉山州为例 ..... 黄凤琴, 第宝锋, 黄成敏, 谭 琼(55)
- 丛生竹根系抗拉力学特性 ..... 惠 尚, 张云伟, 刘 晶, 朱廷国(65)
- 紫色土坡地侵蚀产沙过程的<sup>7</sup>Be 法初探 ..... 史忠林, 文安邦, 严冬春, 巨 莉, 郭 进(71)
- 武当山景区雷电环境及古建筑防雷 ..... 段振中, 朱传林, 刘国臻(77)
- 地貌信息熵在地震后泥石流危险性评价中的应用 ..... 王 钧, 欧国强, 杨 顺, 季宪军, 陆桂红(83)
- 磨刀溪岩石滑坡分析与治理 ..... 于兴国, 宋响军, 王恭先(92)
- “9·07”彝良地震诱发次生山地灾害调查及减灾建议 ..... 王东坡, 何思明, 葛胜锦, 潘长平, 翟敏刚(101)
- 不同水力路径下非饱和粉质土的破坏与变形特性 ..... 马田田, 韦昌富, 魏厚振, 田慧会(108)
- 西藏扎墨公路嘎隆拉隧道岩爆倾向性实验研究 ..... 靳晓光, 王 艳, 林 志, 孙建国(114)
- 藏东南泥石流沉积区植物群落结构和物种多样性特征 ..... 喻 武, 万 丹, 汪书丽, 杨东升(120)
- 金沙江下游金塘古滑坡堰塞湖阶地 ..... 张信宝, David Higgitt, 刘维明, 唐 强(127)

## 第 2 期

- 基于陆路交通网的空间通达性分析——以兰州—西宁城市区域为例 ..... 白永平, 吴常艳, 陈博文(129)
- 定居牧民对草地退化的适应策略——以那曲县为例 ..... 花晓波, 阎建忠, 刘 祥(140)
- 黄河源区牧民观念更新的生计促进效应 ..... 方一平(150)
- 减轻山区资源环境承载压力与扶贫的途径探讨——安康市教育扶贫模式实证研究 ..... 何家理(160)
- 试论中国山区城镇化方向选择及对策 ..... 邓 伟, 唐 伟(168)
- 湖相沉积物酸溶与酸不溶组常量元素的地球化学行为及其环境意义 ..... 雷国良, 张虎才, 朱 芸, 张文翔, 常凤琴(174)
- 泾阳泾河段全新世剖面元素地球化学特征与洪水变化 ..... 顾 静, 周 杰, 黄河清, 赵景波(184)
- 黄土坡面汇沙对细沟侵蚀的影响与贡献 ..... 申 楠, 王占礼, 刘俊娥, 杨晓梅, 焦 念, 谭贞学(194)
- 汶川地震诱发山地斜坡震动的地形放大效应 ..... 罗永红, 王运生(200)
- 岷江上游水系对龙门山断裂带右旋走滑作用的响应 ..... 陈 浩, 李 勇(211)
- 云南蒋家沟古泥石流特征 ..... 雷发洪, 胡凯衡, 马 超, 田 密(218)
- 青藏高原工程走廊冻土分布模型及其变化趋势 ..... 鲁嘉濠, 牛富俊, 程 花, 林战举, 刘 华, 罗 京(226)
- 青藏高原植被覆盖变化及其与气候变化的关系 ..... 刘军会, 高吉喜, 王文杰(234)
- 陕西商南金丝峡地质公园地质遗迹特征及地质意义 ..... 杨望墩, 郭 威, 张 阳, 全强虎, 查方勇(243)
- 江西井冈山的地貌特征及其形成机制 ..... 叶张煌, 刘嘉麒, 尹国胜, 严兆彬(250)

## 第 3 期

- “4·20”芦山 7.0 级地震次生山地灾害活动特征与趋势  
..... 崔 鹏, 陈晓清, 张建强, 杨宗佑, 游 勇, 范建容, 苏凤环, 孔应德, 朱兴华(257)

森林植被的水分自营作用及其观测试验论证方法 .....	程根伟,田雨(266)
滇中不同植被恢复策略下土壤入渗性能及其影响因素 .....	侯秀丽,付登高,阎凯,李博,段昌群(273)
岷江上游植被覆被对水热条件的响应 .....	张文江,李启权,宋克超,黎小东,王焱,王欣,覃光华(280)
辽宁太子河上游沿岸景观格局的幅度效应 .....	孔维静,王一涵,潘雪莲,张远(287)
环境因子对土壤水分空间异质性的影响——以北京市怀柔区为例 .....	蔡庆空,蒋金豹,崔希民,郭微,马开锋,洪雪倩(294)
都江堰城市空间形态演变周期性特征及其驱动机制 .....	杨勇,邓伟,张继飞,吴雪玲(300)
石漠化景观格局对土地利用时空演变的响应 .....	王媛媛,周忠发,魏小岛(307)
论山地灾害链 .....	钟敦伦,谢洪,韦方强,刘洪江,汤家法(314)
动床条件下粘性泥石流沟道淤积实验研究 .....	林雪平,游勇,柳金峰,赵彦波,刘曙光(327)
栾川“7·24”暴雨泥石流启动模式分类 .....	邵莲芬,彭祖武,王硕楠,戴巍,胡媛媛,余宏明(334)
G318川藏公路段泥石流危险性评价 .....	邹强,崔鹏,杨伟(342)
舟曲2010年“8·8”特大泥石流灾害致灾因素 .....	王根龙,张茂省,于国强,叶万军(349)
地震后泥石流临界雨量变化特征——以汶川地震区小岗剑沟为例 .....	陈源井,余斌,朱渊,王涛,亓星(356)
五台山生态旅游发展评价及对策 .....	周彬,钟林生,陈田,涂玮(362)
山岳型旅游目的地形象感知研究——以五台山风景名胜区为例 .....	刘智兴,马耀峰,高楠,张岩君,王玎玎(370)
国际山地研究计划的启示 .....	邓伟,熊永兰,赵纪东,邱敦莲,张志强,王安邦(377)

## 第4期

山地陡倾小交角层状岩体隧道围岩变形模拟 .....	曹兴松,吴梦军,刘世雄,方林,王波(385)
强震后高烈度区泥石流危险性评价——以汶川地震区G213线映秀到彻底关段为例 .....	涂国强,程尊兰,刘建康,黄金辉(391)
单排微型桩加固碎石土滑坡物理模型试验 .....	孔纪名,蔡强,张引,韩培锋(399)
降雨对泥石流源地土体活动的指数式放大效应 .....	郭晓军,李泳,崔鹏(406)
节理控制的降雨入渗通道对黄土开挖边坡稳定性的影响 .....	王新刚,余宏明,胡斌,连宝琴(413)
鬼招手滑坡的特征及失稳机制 .....	徐伟,倪化勇,王德伟,徐如阁(418)
雪崩防治工程研究与应用现状 .....	刘大翔,程尊兰,赵鑫,黄金辉,刘建康(425)
巴丹吉林沙漠沙山粒度组成与沙山地貌分带 .....	邵天杰,赵景波,董治宝(434)
长白山不同海拔泥炭地泥炭藓残体的分解 .....	李伟,卜兆君,张兵将,龙川,唐瑞江,崔钱王(442)
长白山西坡小叶章侵入苔原带调查与机理分析 .....	宗盛伟,许嘉巍,吴正方(448)
轿子山自然保护区土壤理化性质垂直变异特征与环境因子关系 .....	王平,任宾宾,易超,刘红楠(456)
三江并流区云南贡山片植被景观类型分布特征 .....	欧光龙,彭明春,王崇云,向伶(464)
契合地貌特征的山地城镇道路规划——以西南山地典型城镇为例 .....	曹珂,肖竞(473)
基于生态导向的山地城市空间结构控制——以重庆涪陵区城市规划为例 .....	郑圣峰,侯伟龙(482)
芦山地震后初期余震时间序列的分形演化特征 .....	覃发超,史凯,张斌,刘春琼,邓青春,罗明良,王磊(489)
芦山“4·20”地震后宝兴县城打水沟泥石流发育趋势及防治方案 .....	游勇,柳金峰,陈兴长(495)
芦山地震重灾区崩塌滑坡易发性评价 .....	苏凤环,崔鹏,张建强(502)
重庆大学教育部重点实验室 .....	赵万民,李和平(510)

## 第5期

森林水文作用的流域尺度效应及其评价 .....	沙玉坤,程根伟,李卫朋(513)
湘西喀斯特区植烟土壤速效钾含量分布及影响因素 .....	邓小华,杨丽丽,周米良,田茂成,田峰,冯晓华,吴秋明(519)
祁连山北坡土壤特性与植被垂直分布的关系 .....	牛赞,刘贤德,敬文茂,雷军,苗毓新(527)
山体效应对台湾常绿阔叶林分布上限的影响 .....	张朔,张百平,姚永慧,齐文文,庞宇,赵芳(534)
喀斯特小流域分布式土壤侵蚀估算模型 .....	高翔,蔡雄飞,王济,胡国锋(542)
紫色土旱坡地土壤异养呼吸速率及其温度敏感性 .....	花可可,王小国,朱波(548)

武陵山片区县域产业增长的空间特征 .....	丁建军,冷志明(555)
川西地区退耕还林政策对农民收入的影响 .....	王欠,方一平(565)
雍家沟泥石流活动特征与堵江分析 .....	乐茂华,朱静,黄勋,唐得胜,蒋志林,常鸣(573)
基于斜坡单元和公路功能的滑坡风险评价 .....	田述军,孔纪名(580)
高切坡潜在破裂面预测与超前支护桩加固研究 .....	王娟,何思明(588)
粘性泥石流坝后回淤比降的实验研究 .....	吴鑫,马东涛,杨敏(594)
甘肃南部武都地区泥石流危险性评价 .....	宁娜,齐识,张鹏,田黎明,马金珠(601)
“4·20”芦山地震灾区重建综合发展能力的构建 .....	邓伟,刘颖,唐伟,谢芳婷(610)
“4·20”芦山地震崩塌滑坡与公路危险性评价——以宝兴县省道 S210 沿线为例 .....	张建强,苏凤环,范建容(616)
芦山地震重灾区地形因子分析 .....	张子瑜,范建容,张建强,苏凤环(624)
芦山地震中 G318 线天全段崩塌发育规律 .....	高延超,陈宁生,徐如阁,巴仁基,南帅(632)

## 第6期

当雄念青唐古拉山脉南坡不同海拔垫状点地梅分布特征 .....	何永涛,石培礼,张宪洲,杜明远,闫巍,孙维(641)
高寒河谷流动沙地生境因子变化及其对播种期的影响 .....	李海东,沈渭寿,燕守广,王涛,唐军(647)
AIRS 资料在川藏地区适用性的验证 .....	倪成诚,李国平,熊效振(656)
青藏高原中部草地地上生物量遥感估算方法 .....	除多,普布次仁,德吉央宗,姬秋梅,唐洪(664)
青藏高原农牧区干旱灾害风险分析 .....	赵志龙,刘峰贵,张镜铨,张海峰,周强,刘佩,邹新华(672)
金沙江河谷—水系发育的年代学框架分析与探讨 .....	苏怀,明庆忠,潘保田,高红山,张文翔,董铭,史正涛(685)
青海湖沙柳河镇南部土壤入渗规律 .....	赵景波,张慧慧,马淑苗(693)
纤维丝固土护坡植生法在边坡防护中的水土保持效应 .....	刘世雄,曹兴松,程睿,章梦涛,陈振峰(701)
降雨作用下崩岗形成细观机理模拟 .....	熊传祥,王涛,鲁晓兵(710)
崩岗侵蚀分布特征及其成因 .....	陈晓安,杨洁,肖胜生,宋月君,郑海金,沈乐(716)
川中丘陵区河成壶穴的形态对比及成因 .....	刘晓娇,徐娟,张斌,刘守江,覃发超,罗明良(723)
江西信江盆地丹霞地貌空间分布及其成因 .....	姜勇彪,郭福生,陈珊珊(731)
河南省栾川县泥石流源地土大直剪试验 .....	谢凯,余宏明,彭祖武,李科,王硕楠,陈鹏宇(738)
头寨大型高速远程滑坡碎屑流堆积体的粒度组成 .....	王品,徐则民(745)
锚杆参数对锚固边坡抗震性能的影响 .....	徐乾,张永兴,陈建功(753)
百年接力,用镜头续写历史——《百年追寻——见证中国西部环境变迁》书评 .....	周麟(760)
总目次(31卷2013) .....	(I—III)

# JOURNAL OF MOUNTAIN SCIENCE CONTENTS of Vol. 31 2013

## No. 1

- Discussion of the Weathering Crust Development Time on the Nanling Planation Surface ——Take the Dabuzhen as an Example  
..... ZHOU Shangzhe ,ZHU Lidong ,LI Shuzhen ZHENG Jingxiong( 7)
- Dynamic Valuation on Ecosystem Services to Ecological Construction in the Three – River Headwaters Nature Reserve ,China  
..... LAI Min ,WU Shaohong ,DAI Erfu ,YIN Yunhe ,PAN Tao ZHAO Dongsheng( 17)
- Discussion on Nomenclature of the Karst Desertification Regions and Illustration for Their Environment Characteristics in  
Southwest China ..... WANG Shijie ,ZHANG Xinbao ,BAI Xiaoyong( 24)
- The Prediction of Soil and Water Loss on Slope Based on ANFIS ..... LI Xinhua ZHAO Chengyi ,YANG Jie( 30)
- Information Tupu Analysis on Mountainous Soil Vertical Zone in Yunnan ,China  
..... YANG Yueyuan ,WANG Jinliang ,CHEN Youjun( 38)
- Meteorological Conditions and Terrain Effect the Formation of Mountain Fog in Mount Jiuhua ..... WANG Xuejun( 45)
- Seasonal Dynamics of Vegetation Carbon Density and Distribution Characteristics in Alpine Weeds Meadow under Different  
Grazing Intensity ..... WU Qihua ,LI Yingnian ,LIU Xiaoqin ,LI Hongqin ,MAO Shaojuan( 54)
- Spatial Distribution of Soil Erosion in Liangshan ,Sichuan Based on a New Equation to Estimate the Rainfall Erosivity  
..... HUANG Fengqin ,DI Baofeng ,HUANG Chengmin ,TAN Qiong( 64)
- Mechanical Characteristics of Tensile Strength for Sympodial Bamboo Roots  
..... HUI Shang ZHANG Yunwei ,LIU Jing ZHU Tingguo( 70)
- Indicating Erosion and Sediment Yielding Processes on Purple Soil Slopes Using  $^7\text{Be}$  Measurements  
..... SHI Zhonglin ,WEN Anbang ,YAN Dongchun ,JU Li ,GUO Jin( 76)
- Lightning Environment in Wudangshan Mountain Scenic Area and Lightning Protection of Ancient Buildings  
..... DUAN Zhenzhong ZHU Chuanlin ,LIU Guozhen( 82)
- Applicability of Geomorphic Information Entropy in the Post-earthquake Debris Flow Risk Assessment  
..... WANG Jun ,OU Guoqiang ,YANG Shun ,JI Xianjun ,LU Guihong( 91)
- Modaoxi Rock Landslide Analysis and Control ..... YU Xingguo ,SONG Xiangjun ,WANG Gongxian( 100)
- Mountain Hazards Induced by the Earthquake of Sep 07 2012 in Yiliang and the Suggestions of Disaster Reduction  
..... WANG Dongpo ,HE Siming ,GE Shengjin ,PAN Changling ZHAI Mingang( 107)
- Characteristics of Failure and Deformation of an Unsaturated Silty Soil Experiencing Various Hydraulic Histories  
..... MA Tiantian ,WEI Changfu ,WEI Houzhen ,TIAN Huihui( 113)
- Test Study of Rockburst Proneness on Galongla Tunnel of Zhamo Highway in Tibet ,China  
..... JIN Xiaoguang ,WANG Yan ,LIN Zhi ,SUN Jianguo( 119)
- Community Structure and Species Diversity of Debris Flow Deposition Area in Southeast of Tibet ,China  
..... YU Wu ,WAN Dan ,WANG Shuli ,YANG DongSheng( 126)
- Terraces of Ancient Giant Jintang Landslide-dammed Lake in Jinsha River  
..... ZHANG Xinbao ,David Higgitt ,LIU Weiming ,TANG Qiang( 127)

## No. 2

- Analysis on Spatial Accessibility Based on Land Transportation Network: A Case Study of Lanzhou – Xining City Region  
..... BAI Yongping ,WU Changyan ,CHEN Bowen( 139)

- Settled Herdsmen's Adaptation Strategies to Pasture Degradation——Case Study of Naqu County in Tibet Plateau  
..... HUA Xiaobo , YAN Jianzhong , Liu Xiang( 149)
- Effect of Pastoralist's Perception Innovation on Livelihood Improvement in the Source Region of Yellow River , China  
..... FANG Yiping ( 159)
- Exploration on the Ways to Relieve the Pressure of the Resources and Environment and to Alleviate the Poverty  
——An Empirical Study on the Educational Poverty Alleviation Model in Ankang City ..... HE Jiali( 167)
- General Directions and Countermeasures for Urbanization Development in Mountain Areas of China  
..... DEMG Wei , TANG Wei( 173)
- Geochemical Behavior of Acid Soluble and Insoluble Fractions and Their Application to Paleoenvironment Reconstruction  
of Lacustrine Sediment ..... LEI Guoliang ZHANG Hucai , ZHU Yun , ZHANG Wenxiang , CHANG Fengqin( 183)
- Element Geochemical Characteristics and the Flood Changes at the Holocene Profiles in Jinghe Valley of Jingyang  
..... GU Jing ZHOU Jie HUANG Heqing ZHAO Jingbo( 193)
- The Impact and Contribution of Influx of Sediment onto Rill to Rill Erosion on Loess Hillslope  
..... SHEN Nan , WANG Zhanli , LIU Jun' e , Yang Xiaomei , JIAO Nian , TAN Zhenxue( 199)
- Mountain Slope Ground Motion Topography Amplification Effect Induced by Wenchuan Earthquake  
..... LUO Yonghong , WANG Yunsheng ( 210)
- Water System Responding to the Dextral Strike-slipping of the Longmenshan Fault Zone in the Upper Min River Basin  
..... CHEN Hao , LI Yong( 217)
- Characteristic of Ancient Debris Flows in Jiangjia Ravine ..... LEI Fahong , HU Kaiheng , MA Chao , TIAN Mi( 225)
- The Permafrost Distribution Model and Its Change Trend of Qinghai - Tibet Engineering Corridor  
..... LU Jiahao , NIU Fujun , Cheng Hua , LIN Zhanju , LIU Hua , Luo Jing( 233)
- Variations of Vegetation Coverage and Its Relations to Global Climate Changes on the Tibetan Plateau during 1981—2005  
..... LIU Junhui , GAO Jixi , WANG Wenjie( 242)
- Canyon Geopark and Its Geological Significance in Shangnan , Shaanxi , China  
..... YANG Wangtun , GUO Wei ZHANG Yang , QUAN Qianghu , ZHA Fangyong( 249)
- Landform Features and Formation Mechanism in Mt. Jinggangshan , Jiangxi , China  
..... YE Zhanghuang , LIU Jiaqi , YIN Guosheng , YAN Zhaobin( 256)

### No. 3

- Activities and Tendency of Mountain Hazards Induced by the Ms7.0 Lushan Earthquake , April 20 2013  
... CUI Peng , CHEN Xiaoqing ZHANG Jianqiang , YANG Zongji , YOU Yong , FAN Jianrong , SU Fenghuan , KONG Yingde ,  
ZHU Xinghua( 265)
- The Water Self-supporting Effects of Forest and Its Field Experimental Verification ..... CHENG Genwei , TIAN Yu( 272)
- Soil Infiltration and Correlative Analysis with Some Factors in the Different Restoration Method in Central Yunnan  
..... HOU Xiuli , FU Denggao , YAN Kai , LI Bo , DUAN Changqun( 279)
- The Response of Vegetation Cover to the Variation of Heat and Water Conditions in Upper Minjiang Watershed , China  
..... ZHANG Wenjiang , NING jicai , SONG Kechao , LI Xiaodong , WANG Yan , WANG Xin , QIN Guanghua( 286)
- Extent Effect of Landscape Pattern along Upper Reaches of Taizi River , Liaoning , China  
..... KONG Weijing , WANG Yihan , PAN Xuelian , ZHANG Yuan( 293)
- Influences of Environmental Factors on Spatial Heterogeneity of Soil Moisture——A Case Study in Huairou District of Beijing  
..... CAI Qingkong , JIANG Jinbao , CUI Ximin , GUO Zheng , MA Kaifeng , HONG Xueqian( 299)
- The Periodicity Scenarios of Urban Morphology and Its Driving Factors in Dujiangyan  
..... YANG Yong , DENG Wei , ZHANG Jifei , WU Xueling( 306)

- Rocky Desertification Landscape Pattern on Spatio-temporal Evolution of Land Use the Response  
 ..... WANG Yuanyuan ,ZHOU Zhongfa ,WEI Xiaodao( 313)
- Discussion on Mountain Hazards Chain ..... ZHONG Dunlun ,XIE Hong ,WEI Fangqiang ,LIU Hongjiang ,TANG Jiafa( 326)
- Experimental Study on Channel Deposition of Viscous Debris Flow over Erodible Beds  
 ..... LIN Xueping ,YOU Yong ,LIU Jinfeng ,ZHAO Yanbo ,LIU Shuliang( 333)
- Classification of “7 • 24”Rainstorm Debris Flow Based on Start-up Model in Luanchuan County of Henan , China  
 ..... SHAO Lianfen ,PENG Zuwu ,WANG Shounan ,DAI Wei ,HU Yuanyuan ,YU Hongming( 341)
- Hazard Assessment of Debris Flows along G318 Sichuan – Tibet Highway ..... ZOU Qiang ,CUI Peng ,YANG Wei( 348)
- Factor Analysis for Catastrophic Debris Flows on August 8 2010 in Zhouqu City of Gansu ,China  
 ..... WANG Genlong ,ZHANG Maosheng ,YU Guoqiang ,YE Wanjun( 355)
- Characteristics of Critical Rainfall of Debris Flow after Earthquake——A Case Study of the Xiaogangjian Gully  
 ..... CHEN Yuanjing ,YU Bin ,ZHU Yuan ,WANG Tao ,QI Xing( 361)
- Assessing and Countermeasure of Ecotourism Development in Mountain Wutai  
 ..... ZHOU Bin ,ZHONG Linsheng ,CHEN Tian ,TU Wei( 369)
- A Research on Tourism Destination Image Perception of Mountain Resorts——A Case Study of Mountain Wutai Scenery Area in China  
 ..... LIU Zhixing ,MA Yaofeng ,GAO Nan ,ZHANG Yanjun ,WANG Dingding( 376)
- Enlightenment from International Mountain Research Projects  
 ..... DENG Wei ,XIONG Yunlan ,ZHAO Jidong ,QIU Dunlian ,ZHANG Zhiqiang ,WEN Anbang( 384)

#### No. 4

- Deformation Simulation of Steep over-dip Stratified Surrounding Rock for Small Angle between Tunnel and Rock Strike  
 ..... CAO Xingsong ,WU Mengjun ,LIU Shixiong ,FANG Lin ,WANG Bo( 390)
- Assessment of Debris Flow Danger in High-intensity Earthquake Area after Intense Earthquake  
 ——A Case Study of the Yingxiu – Chediguan Section of G213 Highway Hit by the Wenchuan Earthquake  
 ..... TU Guoqiang ,CHENG Zunlan ,LIU Jiankang ,HUANG Jinhui( 398)
- Physical Model Test of Debris Landslide Reinforcement with Single Row Micro-pile  
 ..... KONG Jiming ,CAI Qiang ,ZHANG Yin ,HAN Peifeng( 405)
- Exponential Amplification Effect of Rainfall on Slope Failures in Debris Flow Source Region  
 ..... GUO Xiaojun ,LI Yong ,CUI Peng( 412)
- Impact Analysis of the Joint Control Excavation Loess Slope’ s Stability under the Influence of Rainfall Infiltration Channel  
 ..... WANG Xingang ,YU Hongming ,HU Bin ,LIAN Baoqin( 417)
- The Basic Characteristics and Instability Mechanism of Guizhaoshou Landslides  
 ..... XU Wei ,NI Huayong ,WANG Dewei ,XU Ruge( 424)
- Research and Application Situation of Avalanche Prevention and Control Engineering  
 ..... LIU Daxiang ,CHENG Zunlan ,ZHAO Xin ,HUANG Jinhui ,LIU Jiankang( 433)
- Particle Size Composition and Geomorphology Zoning of the Megadune in the Badain Jaran Desert  
 ..... SHAO Tianjie ,ZHAO Jingbo ,DONG Zhibao( 441)
- Decomposition of *Sphagnum* Litter in 4 Peatlands of the Changbai Mountains along an Altitudinal Gradient  
 ..... LI Wei ,BU Zhaojun ,ZHANG Bingjiang ,LONG Chuan ,TANG Ruijiang ,CUI Qianwang( 447)
- Investigation and mechanism analysis on the Invasion of *Deyeuxia. angustifolia* to Tundra Zone in Western Slope of  
 Changbai Mountain ..... ZONG Shengwei ,XU Jiawei ,WU Zhengfang( 455)
- The Correlation between Soil Characteristics and Environmental Factors along Altitude Gradient of Jiaozi Mountain Nature Reserve  
 ..... WANG Ping ,REN Binbin ,YI Chao ,LIU Hongnan( 463)

Distribution of Vegetation Landscape in Gongshan County of Yunnan Province the Core Area of the Three Parallel Rivers Belt	OU Guanglong ,PENG Mingchun ,WANG Chongyun ,XIANG Lin( 472)
Road System Planning Based on Topographic Analysis——Case Studies of Mountainous Cities in Southwest China	CAO Ke ,XIAO Jing( 481)
Based on the Ecological Orientation of City Spatial Structure Control	
——The Revision of Main Plan of Fuling District as an Example	ZHENG Shengfeng ,HOU Weilong( 488)
Fractal Evolution of the Early Aftershock Sequence of Lushan Earthquake	
	QIN Fachao ,SHI Kai ,ZHANG Bin ,LIU Chunqiong ,DENG Qingchun ,LUO Mingliang ,WANG Lei( 494)
The Potential Tendency and Mitigation Measures of Dashui Gully in Baoxing Coutny after Lushan “4 • 20”Earthquake of Schuan	
	YOU Yong ,LIU Jinfeng ,CHEN Xingzhang( 501)
Rockfall and Landside Susceptibility Assessment in Lushan Earthquake Region	
	SU Fenghuan ,CUI Peng ,ZHANG Jianqiang ,GAN Guobing( 509)

## No. 5

The Impacts and Evaluations of Catchment Scales on Forest Hydrology	SHA Yukun ,CHENG Genwei ,LI Weipeng( 518)
Distribution of Available Potassium Contents of Tobacco-growing Soil and Its Influencing Factors in Karst Region of Xiangxi	
	DENG Xiaohua ,YANG Lili ,ZHOU Miliang ,TIAN Maocheng ,TIAN Feng ,FENG Xiaohua ,WU Qiuming( 526)
Relationship between Characteristics of Soil and Vertical Distribution of Vegetation on the Northern Slope of Qilian Mountains	
	NIU Yun ,LIU Xiande ,JING Wenmao ,LEI Jun ,MIAO Yuxin( 533)
The Effects of Mass Elevation Effect on the Distribution of Evergreen Broad-leaved Forests of Taiwan	
	ZHANG Shuo ,ZHANG Baiping ,YAO Yonghui ,QI Wenwen ,PANG Yu ,ZHAO Fang( 541)
Distributed Soil Erosion Estimation Model for Small Watershed in Karst Area	
	GAO Xiang ,CAI Xiongfei ,WANG Ji ,HU Guofeng( 547)
Soil Heterotrophic Respiration Rate and Its Sensitivity to Temperature on Sloping Upland of Purple Soil	
	HUA Keke ,WANG Xiaoguo ,ZHU Bo( 554)
Spatial Characteristics of Growth Effect of Counties’ Industries in Wuling Mountain Area ,China	
	DING Jianjun ,LENG Zhiming( 564)
Influence of Grain for Green Policy on Farmers’ Income in Western Sichuan ,China	
	WANG Qian ,FANG Yiping( 572)
Activity Characteristics and Damming of Yongjiagou Debris Flow in Qingping Area after Wenchuan Earthquake	
	LE Maohua ,ZHU Jing ,HUANG Xun ,TANG Desheng ,JIANG Zhilin ,CHANG Ming( 579)
Risk Assessment of Landslide Based on Slope Unit and Highway Function	
	TIAN Shujun ,KONG Jiming( 587)
Prediction the Potential Rupture Surface for High Cut Slope and Study on the Pre-embedded Piles	
	WANG Juan ,HE Siming( 593)
Experiment on Siltation Gradient of Viscous Debris Flow behind Gravity Check-dam	
	WU Xin ,MA Dongtao ,YANG Min( 600)
The Hazards Assessment of Debris Flow in Wudu of Southern Gansu ,China	
	NING Na ,TIAN Liming ,ZHANG Peng ,QI Shi ,MA Jinzhu( 609)
Reconstruction on Comprehensive Development Ability of April 20th Lushan Earthquake-Stricken Area	
	DENG Wei ,LIU Ying ,TANG Wei ,XIE Fangting( 615)
Distribution of Landslides and Collapses Induced by 2013 “4 • 20” Lushan Earthquake and Hazards Assessment:	
a Case Study of S210 Highway	ZHANG Jianqiang ,SU Fenghuan ,FAN Jianrong( 623)
Topographic Factors Analysis of Lushan Earthquake-hit Area	
	ZHANG Ziyu ,FAN Jianrong ,ZHANG Jianqiang ,SU Fenghuan( 631)
Development and Distribution of Collapses Induced by “4 • 20”Lushan Earthquake: Taking Tianquan Section of China National	
Highway 318 as a Sample	GAO Yanchao ,CHEN Ningsheng ,XU Ruge ,BA Renji ,NAN Shuai( 640)

## No. 6

Elevational Distribution of Cushion Plant <i>Androsace tapete</i> in the Southern Slope of Nyainqentanglha Mountains ,Tibetan Plateau .....	HE Yongtao ,SHI Peili ,ZHANG Xianzhou ,DU Mingyuan ,YAN Wei ,SUN Wei( 646)
Variations of Habitat Factors on Sand Dunes in the Alpine Valley and Its Influences on the Best Sowing Period .....	LI Haidong ,SHEN Weishou ,YAN Shouguang ,WANG Tao ,TANG Jun( 655)
Validation of the Applicability of AIRS Data in Sichuan – Tibet Region of China .....	NI Chengcheng ,LI Guoping ,XIONG Xiaozhen( 663)
Aboveground Biomass Estimate Methods of Grassland in the Central Tibet .....	CHU Duo ,PUBU Ciren ,DEJI Yangzong ,JI Qiumei ,TANG Hong( 671)
Drought Disaster Risk Analysis of Tibetan Plateau .....	ZHAO Zhilong ,ZHANG Yili ,LIU Fenggui ,ZHOU Qiang ,LIU Pei ,ZOU Xinhua( 684)
The Analysis and Discussions on the Chronological Frame of Jinshajiang River Valley-drainage .....	SU Huai ,MING Qingzhong ,PAN Baotian ,GAO Hongshang ,ZHANG Wengxiang ,DONG Ming ,SHI Zhengtao( 692)
Soil Infiltration Rule in Southern Shaliuhe Town of Qinghai Lake Area .....	ZHAO Jingbo ,ZHAO Huihui ,MA Shumiao( 700)
Soil and Water Conservation Effect of Continuous Spraying Filaments and Fixing Soil Planting Technology in the Side Slope Protection .....	LIU Shixiong ,CAO Xingsong ,CHENG Rui ,ZHANG Mengtao ,CHEN Zhenfeng( 709)
Meso-mechanical Simulation of Slope Disintegration Erosion Under Rainfall .....	XIONG Chuanxiang ,WANG Tao ,LU Xiaobing ( 715)
Distribution Characteristics and Causes of Collapse Erosion .....	CHEN Xiaolan ,YANG Jie ,XIAO Shengsheng ,SONG Yuejun ,ZHENG Haijin ,SHEN Le( 722)
Morphological Comparison and Cause of River Potholes in Sichuan Hilly Area .....	LIU Xiaojiao ,XU Juan ,ZHANG Bin ,LIU Shoujiang ,QIN Fachao ,LUO Mingliang( 730)
Spatial Distribution and Its Genesis of the Danxia Landforms in Xinjiang Basin ,Jiangxi .....	JIANG Yongbiao ,GUO Fusheng ,CHEN Shanshan( 737)
Large Scale Direct Shear Test of Debris Flow Source Soil in Luanchuan of Henan .....	XIE Kai ,YU Hongming ,PENG Zuwu ,LI Ke ,WANG Shuonan ,CHEN Pengyu( 744)
The Grain Size Composition of Touzhai Rock-avalanche Deposits .....	WANG Pin ,XU Zemin( 752)
Effects of Anchor Parameters on Seismic Performance of Anchor Slope .....	XU Qian ,ZHANG Yongxing ,CHEN Jiangong( 759)
CONTENTS of Vol. 31 2013 .....	( IV – VIII)