

# 长江科学院院报

(月刊)

2011年2月 第28卷 第2期 总第148期

## 目 次

### 水资源与环境

水权与初始水权分配研究综述 ..... 李 新 常福宣 陈 进(1)

### 工程安全与灾害防治

基于病害指数的大坝溃决可能性评价研究 ..... 周克发 袁 辉(10)

大坝安全监测数据粗差识别技术研究 ..... 周元春 甘孝清 李端有(16)

### 工程水力学

几种典型水工建筑物进水口消涡措施试验研究 ..... 段文刚 黄国兵 张 辉等(21)

### 岩土工程

基于 CT 技术的砾石土浸润试验研究 ..... 左永振 程展林 丁红顺(28)

复杂岩质边坡预应力锚索优化设计 ..... 徐 青 徐 寅 陈胜宏等(32)

大直径长桩接触面参数的敏感性分析 ..... 王孝兵 文松霖 徐文强(38)

岩质高边坡裂缝成因分析 ..... 崔华丽 费文平 张国强(45)

### 水工结构与材料

大型水电工程导流洞封堵体稳定性分析 ..... 董志宏 丁秀丽 叶三元等(50)

磨细矿渣对现场活性骨料碱 - 硅反应的抑制 ..... 唐修生 黄国泓 祝烨然(56)

高土石围堰堰体材料力学特性及变形研究 ..... 孙开畅 田 斌 孙志禹(60)

### 信息技术应用

江河截流施工动态决策支持系统 ..... 周厚贵(65)

基于多时相 CBERS 影像的陆生生境变化研究 ..... 陈鹏霄 申邵洪(69)

### 长江防洪模型专栏

三峡工程运用初期上荆江杨家脑至都穴河床冲淤变化试验研究 ..... 黄 莉 孙贵州 李发政(74)

模型沙特性研究进展 ..... 闵凤阳 姚仕明 黎礼刚(79)

### 信息之窗

·简讯· “乌江沙沱水电站混凝土性能试验”项目通过验收(68) 长江科学院承担嘉兴电厂三期取水口预留岩坎拆除爆破圆满成功(78)

---

本期责任编辑: 王 懇

期刊基本参数: CN42 - 1171/TV \* 1984 \* m \* A4 \* 86 \* zh \* P \* ¥10.00 \* 1300 \* 15 \* 2011 - 02

本刊电子信箱: cjk@163.net

本刊投稿网址: <http://www.crsri.cn/ckyyb/index.asp>

JOURNAL OF YANGTZE RIVER SCIENTIFIC  
RESEARCH INSTITUTE

( Monthly )

Feb. 2011 Vol. 28 No. 2 Sum No. 148

CONTENTS

**WATER RESOURCES AND ENVIRONMENT**

- Summary of Researches on Water Rights and Initial Water Rights Allocation ..... LI Xin, CHANG Fu-xuan, CHEN Jin( 1 )

**ENGINEERING SAFETY AND DISASTER PREVENTION**

- Study on Possibility Assessment of Dam Breach Based on Dam Disease Index ..... ZHOU Ke-fa, YUAN Hui( 10 )

- Research on Gross Error Identification Techniques of Dam Safety Monitoring Data ..... ZHOU Yuan-chun, GAN Xiao-qing, LI Duan-you( 16 )

**ENGINEERING HYDRAULICS**

- Experimental Research on Vortexes Eliminating of Several Typical Hydraulic Intakes ..... DUAN Wen-gang, HUANG Guo-bing, ZHANG Hui, et al( 21 )

**ROCK-SOIL ENGINEERING**

- Gravel Soil Infiltration Study Based on CT Technology ..... ZUO Yong-zhen, CHENG Zhan-lin, DING Hong-shun( 28 )

- Optimization Design of Prestressed Anchorage Cables in Complicated Rock Slope ..... XU Qing, XU Yin, CHEN Sheng-hong, et al( 32 )

- Sensitivity Analysis of Interface Parameters of Large-Diameter Long Pile ..... WANG Xiao-bing, WEN Song-lin, XU Wen-qiang( 38 )

- Analysis on Crack Causes of High Rock Slope ..... CUI Hua-li, FEI Wen-ping, ZHANG Guo-qiang( 45 )

**HYDRAULIC STRUCTURE AND MATERIAL**

- Analysis on Stability of Diversion Tunnel Plug of Large-scale Hydropower Engineering ..... DONG Zhi-hong, DING Xiu-li, YE San-yuan, et al( 50 )

- Inhibition of Ground Slag on Alkaline Silica Reaction of Field Active Aggregate ..... TANG Xiu-sheng, HUANG Guo-hong, ZHU Ye-ran( 56 )

- Mechanical Character and Deformation of Material of Three Gorges Project's Phase II Cofferdam ..... SUN Kai-chang, TIAN Bin, SUN Zhi-yu( 60 )

**INFORMATION TECHNOLOGY APPLICATION**

- Dynamic Decision Supporting System for River Closure Construction ..... ZHOU Hou-gui( 65 )

- Research on Terrestrial Eco-Environment Changing Based on Multi-Temporal CBERS Images ..... CHEN Peng-xiao, SHEN Shao-hong( 69 )

**MONOGRAPH ON FLOOD CONTROL MODEL**

- Physical Modeling of Morphological Changes in Upper Jingjiang River Course from Yangjianao to Haoxue at Initial Operation Stage of Three Gorges Project ..... HUANG Li, SUN Gui-zhou, LI Fa-zheng( 74 )

- Advances in Study on Characteristics of Model Sand ..... MIN Feng-yang, YAO Shi-ming, LI Li-gang( 79 )