



ISSN 1000-1980

CODEN HDXZAI

河海大学学报

(自然科学版)

JOURNAL OF HOHAI UNIVERSITY
(NATURAL SCIENCES)

全国中文核心期刊 中国科技核心期刊



中国 南京
Nanjing, China

万方数据

2012 6

第40卷 第6期
Vol. 40 No. 6

河海大学学报

(自然科学版)

第40卷第6期

2012年11月

目次

· 水文水资源与环境 ·

降雨-径流关系的区域规律

..... 李致家, 于莎莎, 李巧玲, 姚成, 余钟波, 颜梅春, 芮孝芳 (597)

水文模型与GIS二元结构集成方法与实现

..... 王船海, 杨勇, 丁贤荣, 任立良, 张晓祥 (605)

风速引起的湍流对挥发性污染物传质的影响 陈丽萍, 程璟涛, 蒋军成, 邓广发 (610)

湿润地区中小河流山洪预报方法研究与应用 叶金印, 吴勇拓, 李致家, 常露 (615)

组合赋权法在河流健康评价权重计算中的应用

..... 山成菊, 董增川, 樊孔明, 杨江浩, 刘晨, 方庆 (622)

近51年松花江流域气温时空变化特征 陆志华, 夏自强, 于岚岚, 王景才 (629)

· 水利水电工程 ·

无坝体温度监测数据老坝的导温系数反演分析 王建, 卢兆辉, 路振刚 (636)

混凝土大坝温度状态的多目标模糊综合评价

..... 瞿立新, 周宜红, 黄耀英, 宫经纬, 周绍武, 李金河, 陈文夫 (641)

基于液化判别的尾矿坝动力稳定性分析 张富有, 李刘操, 徐松 (648)

复杂嵌套网格模型及其在三河闸大修工况泄流流态模拟中的应用

..... 黄章羽, 马晓忠, 王玲玲, 张友明, 成高峰, 胡孜军 (653)

新型PS模型沙特性研究 薛伟, 雷雪婷, 俞冰, 吴苏舒 (659)

水稻不同生育阶段稻田水位调控对产量因子及产量的影响

..... 王君, 俞双恩, 丁继辉, 胡哲, 肖梦华 (664)

· 土木工程 ·

真空-堆载联合预压处理地基的沉降特性 彭劼, 何钜, 张文彬, 苏波, 宋恩润, 洪雷 (670)

粉煤灰混凝土早期强度的现场调查与试验研究 胡晓鹏, 牛荻涛, 张永利 (676)

基于小波变换的大跨度桥梁上车轮轴间距和车速监测 周志红, 吴邵庆, 费庆国 (681)

基于VIS模型的南京江宁新区下垫面格局分析 苏伟忠, 杨桂山, 陈爽 (686)

· 港口航道与海洋工程 ·

一种改进的几何学波浪破碎指标 冯卫兵, 曹海锦, 张俞 (692)

基于分层地基模型的闸首分缝底板计算方法 何良德, 梅霆, 周俊波, 谢红, 孙保虎 (698)

· 机电与信息工程 ·

电池储能系统对风力发电系统可靠性的影响 袁越, 张新松, 傅质馨 (704)

超声波在悬浮液中的衰减 苏杭丽 (710)

简讯、征订启事 (604) (621) (635) (647) (669) (685) (697) (709) (714)

《河海大学学报(自然科学版)》2012年总目次 (I)

本期责任编辑:胡新宇 英文编辑:王培

期刊基本参数:CN32-1117/TV * 1957 * b * A4 * 120 * zh * P * ¥15.00 * 1800 * 20 * 2012-11

CONTENTS

· Hydrology, Water Resources and Environment ·

- Regional pattern of rainfall-runoff relationship
..... *LI Zhijia, YU Shasha, LI Qiaoling, YAO Cheng, YU Zhongbo, YAN Meichun, RUI Xiaofang* (597)
- Dual-structured hydrological model and GIS integration method and its implementation
..... *WANG Chuanhai, YANG Yong, DING Xianrong, REN Liliang, ZHANG Xiaoxiang* (605)
- Effect of turbulence induced by wind velocity on volatile pollutants mass transfer
..... *CHEN Liping, CHENG Jingtao, JIANG Juncheng, DEND Guangfa* (610)
- Forecasting methods for flash floods in medium and small rivers in humid regions and their applications
..... *YE Jinyin, WU Yongtuo, LI Zhijia, CHANG Lu* (615)
- Application of combination weighting method to weight calculation in river health evaluation
..... *SHAN Chengju, DONG Zengchuan, FAN Kongming, YANG Jianghao, LIU Chen, FANG Qing* (622)
- Characteristics of spatio-temporal variation of temperature in Songhua River Basin from 1960 to 2010
..... *LU Zhihua, XIA Ziqiang, YU Lanlan, WANG Jingcai* (629)

· Water Conservancy and Hydropower Engineering ·

- Inverse analysis of thermal diffusivity for old dams without temperature monitoring data
..... *WANG Jian, LU Zhaohui, LU Zhengang* (636)
- Multi-objective fuzzy synthetic evaluation of temperature status of concrete dam
..... *QU Lixin, ZHOU Yihong, HUANG Yaoying, GONG Jingwei, ZHOU Shaowu, LI Jinhe, Chen Wenfu* (641)
- Dynamic stability analysis of tailings dam based on liquefaction evaluation
..... *ZHANG Fuyou, LI Liucuo, XU Song* (648)
- Application of a nested grid hydrodynamic model to discharge pattern simulation overhaul conditions of Sanhe Sluice
..... *HUANG Zhangyu, MA Xiaozhong, WANG Lingling, ZHANG Youming, CHENG Gaofeng, HU Zijun* (653)
- Characteristics of novel artificial sediment (PS) *XUE Wei, LEI Xueting, YU Bing, WU Sushu* (659)
- Effects of paddy field water level control on yield factor and rice yield at different rice growth stages
..... *WANG Jun, YU Shuangen, DING Jihui, HU Zhe, XIAO Menghua* (664)

· Civil Engineering ·

- Ground settlement characteristics under vacuum and surcharge combined preloading
..... *PENG Jie, HE Ju, ZHANG Wenbin, SU Bo, SONG Enrun, HONG Lei* (670)
- Field investigation and experimental research on early-stage strength of fly ash concrete
..... *HU Xiaopeng, NIU Ditao, ZHANG Yongli* (676)
- Axle spacing and speed monitoring of a moving vehicle on a large-span bridge based on wavelet transform
..... *ZHOU Zhihong, WU Shaoqing, FEI Qingguo* (681)
- Land surface pattern of Jiangning New Area of Nanjing based on VIS model
..... *SU Weizhong, YANG Guishan, CHEN Shuang* (686)

· Harbor, Waterway and Ocean Engineering ·

- Extended geometric wave breaking indices *FENG Weibing, CAO Haijin, ZHANG Yu* (692)
- Calculation method of parting floor of lock head based on layered foundation model
..... *HE Liangde, MEI Ting, ZHOU Junbo, XIE Hong, SUN Baohu* (698)

· Electromechanics and Information Engineering ·

- Impacts of battery energy storage system on reliability of wind energy generation system
..... *YUAN Yue, ZHANG Xinsong, FU Zhixin* (704)
- Ultrasonic attenuation in suspension *SU Hangli* (710)