



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 5

第40卷 第5期
Vol. 40 No. 5

河海大学学报

(自然科学版)

第 40 卷第 5 期

2012 年 9 月

目 次

· 水文水资源与环境 ·

- MODIS/Terra 遥感雪盖数据在青藏高原河源区的应用 郝振纯, 张磊磊, 童 凯, 康 颖 (479)
- 基于 SCE-UA 算法的新安江模型参数优化及应用 董洁平, 李致家, 戴健男 (485)
- SWAT 模型参数区域化在黄河源区的应用 刘 庆, 张友静, 刘 祺, 郝振纯, 房莹莹 (491)
- 江苏近海水域水环境质量现状评价 顾 莉, 华祖林, 树 锦, 褚克坚, 荣 金 (498)
- 太湖水环境功能区调整方案 胡开明, 逢 勇, 余 辉, 李 喆, 王 民 (503)
- 赣江中下游浮游动物时空分布特征及水质综合评价 计 勇, 张 洁, 孙晓秋, 麻 夏 (509)
- 湖泊形态健康内涵及其集对分析评价——以大纵湖为例 冷 辉, 张凤太, 王腊春, 李 娜 (514)
- 南京莫愁湖沉积物中重金属污染调查
..... 赵大勇, 王 猛, 曾 中, 马 婷, 燕文明, 吴伟恒, 颜 衍 (520)
- 芬顿氧化 PAM 助凝法预处理高浓度烟草香料废水试验
..... 何玉洁, 陈 卫, 郑晓英, 张 轶, 王兴楠, 黄 希, 夏 敏 (525)

· 水利水电工程 ·

- 基础变形模量不确定条件下拱坝最大有限元等效应力分析 孙林松, 孔德志 (530)
- 圆管型与廊道型气垫式调压室水力性能比较 刘德有, 张罗彬, 陈五一, 王 丰 (534)
- 水工钢结构腐蚀的图像识别技术 郭建斌, 王 楠, 王泽民 (539)
- 基于突变理论的拱坝整体安全度分析 王少伟, 夏 辉, 崔英杰, 任 娇 (544)
- 基于含沙紊动水流掺混长度的含沙量垂线分布 丰 青, 李瑞杰, 江森汇, 郑 俊 (549)
- 山东半湿润井灌区精细地面灌溉技术试验 马海燕, 张展羽, 杜贞栋, 吕宁江, 李其光, 王 昕 (555)

· 土木工程 ·

- 弹性地基上框架结构内力计算方法 汪基伟, 提桂娟, 冷 飞 (563)
- 两种常用本构模型在基坑开挖数值模拟中的适用性 蒋明镜, 朱方园, 刘 芳 (568)
- 道路复合曲线放样元素的快速计算及精度评定 周保兴, 岳建平, 郑应新 (576)
- 光滑有限单元法及其应用 张旭明, 孙建国 (582)

· 机电与信息工程 ·

- 基于风速估计和风剪切的风力发电机组变桨距控制
..... 杜 静, 谢双义, 金 鑫, 钟 翔, 罗 敏, 何玉林 (586)
- 多机进相运行若干问题探讨 韦延方, 卫志农, 孙国强, 胡文旺, 孙永辉 (590)
- 征订启事 (497) (562) (596)

本期责任编辑: 高建群

英文编辑: 王 培

期刊基本参数: CN32-1117/TV * 1957 * b * A4 * 120 * zh * P * ¥ 15.00 * 1800 * 21 * 2012-09

CONTENTS

•Hydrology, Water Resources and Environment•

- Application of MODIS/Terra remote sensing data of snow cover to five rivers' source regions in Tibetan Plateau HAO Zhenchun, ZHANG Leilei, TONG Kai, KANG Ying (479)
- Application of SCE-UA algorithm to optimization of Xin'anjiang model parameters DONG Jieping, LI Zhijia, DAI Jiannan (485)
- Application of parameter regionalization of SWAT model to source region of Yellow River LIU Qing, ZHANG Youjing, LIU Qi, HAO Zhenchun, FANG Yingying (491)
- Assessment of water quality in coastal water areas of Jiangsu Province GU Li, HUA Zulin, SHU Jin, CHU Kejian, RONG Jin (498)
- Adjustment of water environmental functional zones in Taihu Lake HU Kaiming, PANG Yong, LYU Hui, LI Zhe, WANG Min (503)
- Spatio-temporal distribution characteristics of zooplankton and water quality assessment in middle and lower reaches of Ganjiang River JI Yong, ZHANG Jie, SUN Xiaoqiu, MA Xia (509)
- Implication of lake's healthy morphology and its assessment through set pair analysis:
A case study of Dazong Lake LENG Hui, ZHANG Fengtai, WANG Lachun, LI Na (514)
- Investigation of heavy metal pollution in sediments of Mochou Lake in Nanjing ZHAO Dayong, WANG Meng, ZENG Jin, MA Ting, YAN Wenming, WU Weiheng, YAN Yan (520)
- Pretreatment experiment of high-concentration aromatic tobacco flavor wastewater with Fenton reagent and PAM coagulation ... HE Yujie, CHEN Wei, ZHENG Xiaoying, ZHANG Yi, WANG Xingnan, HUANG Xi, XIA Min (525)

•Water Conservancy and Hydropower Engineering•

- Analysis of arch dam's maximal finite element equivalent stress with consideration of uncertainty of deformation modulus of foundation rock mass SUN Linsong, KONG Dezhi (530)
- Comparison of hydraulic performance of round pipe-shaped and corridor-shaped air-cushioned surge tank LIU Deyou, ZHANG Luobin, CHEN Wuyi, WANG Feng (534)
- Image identification technology of corrosion in hydraulic steel structure GUO Jianbin, WANG Nan, WANG Zemin (539)
- Analysis of global safety degree of arch dam based on catastrophe theory WANG Shaowei, XIA Hui, CUI Yingjie, REN Jiao (544)
- Vertical distribution of suspended sediment concentration based on mixing length of sediment-laden turbulent flow FENG Qing, LI Ruijie, JIANG Senhui, ZHENG Jun (549)
- Experimental research on precision surface irrigation technique for well irrigation district in semi-humid region in Shandong Province ... MA Haiyan, ZHANG Zhanyu, DU Zhendong, LYU Ningjiang, LI Qiguang, WANG Xin (555)

•Civil Engineering•

- Calculation method of internal force of frame structures on elastic foundations WANG Jiwei, TI Guijuan, LENG Fei (563)
- Applicability of two constitutive models to numerical simulation of foundation excavation JIANG Mingjing, ZHU Fangyuan, LIU Fang (568)
- Rapid calculation of road compound curve lofting elements and precision assessment ZHOU Baoxing, YUE Jianping, ZHENG Yingxin (576)
- Smoothed finite element method and its application ZHANG Xuming, SUN Jianguo (582)

•Electromechanics and Information Engineering•

- Variable pitch control of wind turbines based on estimated wind speed and wind shear DU Jing, XIE Shuangyi, JIN Xin, ZHONG Xiang, LUO Min, HE Yulin (586)
- Discussion of several issues of leading phase operation of multi-generators WEI Yanfang, WEI Zhinong, SUN Guoqiang, HU Wenwang, SUN Yonghui (590)