



河南省一级期刊

ISSN 1002-5634
CN 41-1249/TV

JOURNAL
OF NORTH
CHINA INSTITUTE
OF WATER
CONSERVANCY AND
HYDROELECTRIC POWER

華北水
利水
電學
院

學
報

3

2012

ISSN 1002-5634



万方数据

第33卷 第3期
Vol.33 No.3

JOURNAL OF NORTH CHINA INSTITUTE OF WATER CONSERVANCY AND HYDROELECTRIC POWER

Vol. 33 No. 3

(Started in 1980)

(Jun. 2012)

CONTENTS

Dynamic Allocation of Water Environmental Capacity Based on Analytic Hierarchy Process and Geographical Information System	LEI Hong-jun, JIANG Li-guang, WEI Yi-chang(1)
Stability Analysis of Foundation and Abutment of Arch Dam Based on ANSYS	DING Ze-lin, WANG Jing, HUANG De-cai(4)
Numerical Analysis of Temperature and Stress on Concrete Slab of CFRD during Whole Dam Construction	CHEN Shou-kai, MA Du-zhong, GUO Li-xia, et al(9)
Earth-filled Construction and Quality Control in Zhengzhou Section of the Middle South-to-North Water Transfer Project	LI Dao-xi, WANG Yi-fei, CHENG Lin, et al(13)
Cellular Automata Simulation of Traffic Flow Considering the Influence of Commercial Hotspots	XUE Hai, DONG Ming-jia, WANG Yu, et al(16)
Analysis on Wheat Drought Risk Based on Information Diffusion Technology in Xi'an City	CHEN Xiao-nan, JIA Qi, GAO Yu, et al(20)
Experimental Research on Hydraulic Characteristics of Wall Pressing Flow for Rectangle Sharp-crested Weir	PENG Ru-wu, ZHANG Xin, PENG Ying-hui(23)
Evaluation on Water-saving Potentiality of Agricultural Irrigation	JIANG Xin-hui, XU Qi-shi(27)
Ecological Regulation of Gate Dam in North Canal	GU Hong-mei, REN Ying, XIAO Fang, et al(30)
Derivation and Application of Available Information Model Unii Hydrograph	XIANG Li-yuan, XU Hai-jun(34)
Discussions on Yellow River Water and Sediment Regulation Activities	WAN Zhan-wei, LUO Qiu-shi, GUO Xuan-ying(37)
Research on Pavement Structure with Safety and Durability for Super Long Tunnel	LIU Jian-wei, LIU Hai, ZHU Xiao-bin(40)
Analysis on Complex Grid Structure of a Commercial Center Roof	JIANG Shi-ru, ZHANG bin(44)
Numerical Simulation on Unsteady Flow in Centrifugal Compressor with Inlet Guide Vanes	WANG Yu-chuan, LI Zhen-hua(47)
Custom Modeling on Thermal Power Unit and Its Control System	TIAN Xin-shou, SHI Yan(51)
Design on a Regional Power Grid Intelligent Reactive Optimal System	LI Ji-hui, ZHANG Fan(55)
Application of Improved Fuzzy Decision to Evaluation of Wind Power Industry	WANG Rui-lian, SHANG Hua(59)
Lectotype and Experiment on the Flue Gas Valve at the Outlet of Cement Kiln of Power Generation by Waste Heat	SHI Hai-ying, WEI Yong-jie, CHEN Jin-huan(62)
Power Generation Program on the Waste Gas Afterheat of Chromate Smelting Rotary Kiln	TONG Wei-feng, HUANG Gao-quan, PENG Yan(66)
Exploration of Integrated Management Model in County Power Regulation	ZHAO Jiang-hua, SHI Xue-wu, ZHAO Gao-feng(69)
Design and Realization of E-commerce Recommendation System Based on JavaEE	BAI Juan, YAN Xin-qing(72)
Statics Analysis of Bridge Fabrication Machine Support Bracket Based on the Finite Element	LI Quan-cai, WU Jun-feng, WU Cui-rong(74)
Influence of Bolt Pretension on the Rigidity of Flexible Flange Joints	SI Hui-li(78)
Analysis of Pile-anchor Supporting Structure of Deep Foundation Pit Based on FLAC3D	YAN Gang-li, WANG Bin(82)
Stability Assessment on a Landslide Deposit Body in Huangzangsi Water Conservancy Project	HAN Xiao, LI Ri-yun, HUANG Yin-wei(86)
A Construction Technique of Rotary Spray Water Stop in Two Hard Plastic and Sand-layered Soils	LV Da-wei, TANG Yang, XIE Rong-qiang(90)
Application of GPR in the Dam Foundation Engineering of Hydropower Station	HUA Xiao-ming, WU Feng-shou(94)
Discussion on Analytical Methods of Dynamic Characteristics of Soil	FENG Zi-jiang, LIU Yu, HOU Xiao-yan, et al(97)
Application of Fuzzy Evaluation Method Based on AHP to Water Quality Evaluation	QIAN Hui, XI Wen-juan(100)
Effect of Tingkou Reservoir Construction in Shaanxi Province on the Environment and Its Countermeasures	YANG Yu-xia, ZHANG Jun-feng, XU Xiao-Lin, et al(104)
Generation and Application of Oxidizing Species in Photoelectrocatalytic Reaction	LIU Bing-tao, SONG Hai-yan, LI Guo-ling(108)
A Method for Grey Multi-attribute Risk Decision-making Based on Prospect Theory	DING Jin-jin, SONG Bo(111)
Effect of Ownership Structure on Voluntary Information Disclosure Based on Endogenous Perspective	CAO Yu-gui, JIANG Xin(116)
Simulation on Plasma Resonance Absorption Properties of Triangular Ag Nanoparticle Array Based on FDTD Method	MEI Fei, YANG Zhi-jie, XU Lei, et al(121)
A Remote Dimming Control Design of LED Based on PWM	WANG Ning, MA Zhen, TIAN Zhuang-zhuang(125)

华北水利水电学院学报

第33卷第3期

(1980年创刊)

(2012年6月)

目次

青年博士论坛——水利篇

- 基于层次分析和地理信息系统的水环境容量动态分配 雷宏军,姜丽光,魏义长 (1)
- 基于 ANSYS 的拱坝坝肩及坝基整体稳定分析 丁泽霖,王 婧,黄德才 (4)
- 堆石坝面板混凝土施工期温度和应力全坝段仿真分析 陈守开,马大仲,郭利霞,郭 磊 (9)
- 南水北调中线工程郑州段土方填筑施工与质量控制 李道西,王逸飞,程 林,阎利明,陈宝成 (13)
- 考虑商业热点影响的交通流元胞模拟 薛 海,董明家,王 宇,刘文静 (16)

水利土木工程

- 基于信息扩散技术的西安市小麦干旱风险分析 陈晓楠,贾 琦,高 宇,刘 爽,段春青 (20)
- 矩形薄壁堰贴壁流体力学特性的试验研究 彭儒武,张 昕,彭英慧 (23)
- 农业灌溉节水潜力评价 姜新慧,徐其士 (27)
- 北运河闸坝生态调度研究 谷红梅,任 影,肖 芳,徐建新 (30)
- 全信息模式单位线的推求与应用 项丽媛,许海军 (34)
- 黄河调水调沙有关问题的探讨 万占伟,罗秋实,郭选英 (37)
- 特长隧道安全耐久性路面结构研究 刘建伟,刘 海,朱晓斌 (40)
- 某商业中心屋面复杂网架结构分析 江世茹,张 斌 (44)

机械与动力工程

- 带前置导叶离心压缩机非定常流动的数值模拟 王玉川,李振华 (47)
- 火电机组及其控制系统的自定义建模 田新首,石 岩 (51)
- 某区域电网智能无功优化系统设计 李纪辉,张 帆 (55)
- 改进模糊决策在风电产业评价中的应用 王瑞莲,尚 华 (59)
- 水泥窑余热发电窑头取风烟阀门的选型与试验 石海英,魏永杰,陈金环 (62)
- 熔冶炼回转窑废气余热发电方案 仝伟峰,黄高泉,彭 岩 (66)
- 县级电网调控一体化管理模式的探索 赵江华,师学五,赵高峰 (69)
- 基于 JavaEE 的电子商务推荐系统的设计与实现 白 娟,闫新庆 (72)
- 基于有限元法造桥机支撑托架的静力学分析 李叔才,吴俊峰,武翠荣 (74)
- 螺栓预拉力对柔性法兰连接节点刚度影响的实验设计 司惠礼 (78)

岩土工程

- 基于 FLAC3D 的深基坑锚支护结构分析 闫纲丽,王 斌 (82)
- 黄藏寺水利枢纽工程某松散堆积体稳定性评价 韩 啸,李日运,黄银伟 (86)
- 两层硬塑土夹砂层旋喷止水施工技术 吕大槐,汤 扬,谢荣强 (90)
- 地质雷达在水电站坝基工程中的应用研究 花晓鸣,吴丰收 (94)
- 土的动力特性分析方法探讨 冯子江,刘 玉,侯晓燕,鲜莉莉,徐成中 (97)

环境工程与工程管理

- 基于 AHP 权重的模糊评价法在水质评价中的应用 钱 会,席文娟 (100)
- 陕西省亭口水库建设对环境的影响及对策 杨玉霞,张军锋,徐晓琳,马秀梅,郝岩彬,程 伟 (104)
- 氧化性物种在光电催化反应中的产生和利用 刘秉涛,宋海燕,李国亭 (108)
- 一种基于前景理论的灰色多属性风险型决策方法 丁进进,宋 博 (111)
- 内生视角下的股权结构对自愿性信息披露的影响 曹玉贵,姜 鑫 (116)

数理研究

- 基于 FDTD 的三角形银纳米颗粒阵列等离子共振吸收特性的模拟 梅 菲,杨治杰,许 磊,徐进霞,陈志强 (121)
- 一种基于 PWM 的 LED 遥控调光控制设计 王 宁,马 贞,田壮壮 (125)

基本参数:CN41-1249/TV*1980*b*A4*128*zh*P*¥10.00*1500*35*2012-06

执行编辑:乔翠平 蔡洪涛 陈海涛 杜明侠 英文编辑:李道西