



中文核心期刊
中国科技核心期刊
RCCSE中国核心学术期刊(A)

ISSN 2096-6792
CN 41-1432/TV
CODEN HSSDAW

华北水利水电大学学报

JOURNAL OF NORTH CHINA UNIVERSITY OF WATER
RESOURCES AND ELECTRIC POWER

自然科学版
NATURAL SCIENCE EDITION



期刊主页



全文浏览

第44卷 第1期
2023.01

华北水利水电大学学报

(自然科学版)

第 44 卷第 1 期

(1980 年创刊)

2023 年 1 月

目 次

特约稿

匹配度、协调度与和谐度的概念区别与计算方法对比 左其亭,王骄阳,马军霞,李雯,王孟飞 (1)

水循环与水资源合理配置模型(SWAM)专题

水循环与水资源合理配置模型(SWAM) I:模型原理与构建 赵晶,王涛,毕彦杰,韩宇平,王培灵,刘惊哲 (10)

水循环与水资源合理配置模型(SWAM) II:应用 赵晶,王涛,毕彦杰,韩宇平,张广浩,段晶晶,高峰 (20)

水文水资源

基于 CEEMDAN-VMD-BP 模型的月径流量预测研究 王文川,杜玉瑾,和吉,邱林 (32)

河南省黄河流域用水结构演变与空间均衡状态评价 徐方圆,石家豪,韩宇平,赵衡,王富强 (41)

农业工程

控制排水条件下黄豆氮磷吸收利用及产量的试验研究 廖薇,何军,王平章,贺天忠,马煜,胡小梅,郑传飞 (49)

基于 CRITIC-TOPSIS 的许昌市农业水土资源评价 曹连海,刘晓博,张志强,黄佳 (56)

智慧水利

基于影像的道路积水监测研究 胡昊,李擎,马鑫,陈军朋,孙爽,徐鹏 (62)

土木工程

纤维增强高性能混凝土常规三轴抗压破坏准则 卜静武,吴新宇,徐慧颖 (71)

快速迭代收缩阈值正则化改进算法在桥梁移动荷载识别中的应用研究 陈震,孙梦晴,陈璐,郭丰,李晓克 (79)

地质工程

双线盾构隧道下穿对既有暗挖大断面隧道影响的数值分析 胡秋斌 (84)

颗粒级配对砾性土填料加筋前后的动力特性影响分析 王家全,仲文涛,唐滢,唐毅 (93)

水环境

陆浑水库滨岸带沉积物重金属污染评价及其迁移能力分析 宋刚福,丁孟浩,米晓,宋志鑫 (100)

**JOURNAL OF NORTH CHINA UNIVERSITY OF WATER
RESOURCES AND ELECTRIC POWER
(NATURAL SCIENCE EDITION)**

Vol. 44 No. 1

(Started in 1980)

(Jan. 2023)

CONTENTS

Conceptual Differences and Calculation Methods Comparison of Matching Degree, Coordination Degree and Harmony Degree	
.....	<i>ZUO Qiting, WANG Jiaoyang, MA Junxia, LI Wen, WANG Mengfei</i> (1)
Simulation Water-cycle and Allocation Model (SWAM), Part I : Model Principle and Construction	
.....	<i>ZHAO Jing, WANG Tao, BI Yanjie, HAN Yuping, WANG Peiling, LIU Jingzhe</i> (10)
Simulation Water-cycle and Allocation Model (SWAM), Part II : Application	
.....	<i>ZHAO Jing, WANG Tao, BI Yanjie, HAN Yuping, ZHANG Guanghao, DUAN Jingjing, GAO Feng</i> (20)
Research on Monthly Runoff Prediction Based on CEEMDAN-VMD-BP Model	
.....	<i>WANG Wenchuan, DU Yujin, HE Ji, QIU Lin</i> (32)
Evolution of Water Use Structure and Evaluation of Spatial Equilibrium in the Yellow River Basin of Henan Province	
.....	<i>XU Fangyuan, SHI Jiahao, HAN Yuping, ZHAO Heng, WANG Fuqiang</i> (41)
Experimental Study on the Absorption and Utilization of Nitrogen and Phosphorus and the Yield of Soybean under Controlled Drainage Conditions	<i>LIAO Wei, HE Jun, WANG Pingzhang, HE Tianzhong, MA Yu, HU Xiaomei, ZHENG Chuanfei</i> (49)
Evaluation on Agricultural Water and Soil Resources in Xuchang City Based on CRITIC-TOPSIS	
.....	<i>CAO Lianhai, LIU Xiaobo, ZHANG Zhiqiang, HUANG Jia</i> (56)
Research on Road Water Accumulation Monitoring Based on Image	
.....	<i>HU Hao, LI Qing, MA Xin, CHEN Junpeng, SUN Shuang, XU Peng</i> (62)
Failure Criterion of Steel Fiber Reinforced High Performance Concrete under Triaxial Compression	
.....	<i>BU Jingwu, WU Xinyu, XU Huiying</i> (71)
Application of Iterative Regularization Improved Fast Iterative Shrinkage Threshold Algorithm in Bridge Moving Force Identification	<i>CHEN Zhen, SUN Mengqing, CHEN Lu, GUO Feng, LI Xiaoke</i> (79)
Numerical Analysis of the Influence of Double Line Shield Tunneling on Existing Large Section Mined Tunnel	<i>HU Qiubin</i> (84)
Effect of Particle Size Distribution on Dynamic Characteristics of Gravel Soil Filler before and after Reinforcement	
.....	<i>WANG Jiaquan, ZHONG Wentao, TANG Ying, TANG Yi</i> (93)
Pollution Assessment and Migration Capacity Analysis of Heavy Metal in the Coastal Sediments of Luhun Reservoir	
.....	<i>SONG Gangfu, DING Menghao, MI Xiao, SONG Zhixin</i> (100)