

# 水 利 学 报

SHUILI XUEBAO

第 56 卷 2025 年 第 7 期(月刊)

## 目 次

耦合气象信息和可解释深度学习方法的日径流预报.....	廖胜利 王在能 程春田 吴慧军(831)
考虑加载历史的粗粒土蠕变过程通用数学模型.....	邓刚 张茵琪 张延亿 苏羽 孙向军(844)
自适应库水位变幅的竖缝式鱼道出口优化及通过性分析.....	郑铁刚 张志广 孙双科 李广宁 柳海涛 温静雅(853)
考虑库水位和温度变化滞后效应的混凝土坝渗流预测模型研究.....	陈旭东 蓝婷婷 胡少伟 徐颖 郭进军 顾冲时(862)
长江上游梯级水库群防洪库容互用方式研究 .....	牛文静 王正华 冯志州 王祥 许银山 陈桂亚(874)
基于云计算的水库群实时防洪多目标风险调度模型 .....	陈娟 张璐 孙飞飞 邓如霞 钟平安(885)
基于伴随方法的多沙泵站前池流态优化探索.....	王海东 许栋 冉启华 袁赛瑜 唐洪武(898)
水利工程生态服务价值系统化测算体系研究.....	付意成 张剑 赵进勇 张春玲 史俊宝(909)
考虑损伤效应的塑性混凝土本构模型构建及数值实现.....	赛冬拉·马学义 崔激 江志安 张宝增(920)
径流序列两段动态分解-预测-重构中长期预报模型 .....	陈小泽 王忠静 刘丹 石羽佳 KANG Boosik(933)
微小通道内非定常空化流动可视化研究及热力学效应分析.....	刘坤 颜建国 郭鹏程 李文博 赵莉(945)
基于植被指数的喷灌变量灌溉处方图生成方法研究.....	张勇静 赵伟霞 单志杰 黄乾(958)

# JOURNAL OF HYDRAULIC ENGINEERING

Vol. 56 No. 7 2025

(Monthly)

## CONTENTS

Coupling meteorological information and interpretable deep learning methods for daily runoff forecasting .....	LIAO Shengli WANG Zaineng CHENG Chuntian WU Huijun(831)
General mathematical model for creep process of coarse grained soil considering loading history.....	DENG Gang ZHANG Yinqi ZHANG Yanyi SU Yu SUN Xiangjun(844)
Optimization design and passability analysis of vertical slot fishway outlet for self-adapting to water level fluctuation in reservoir.....	ZHENG Tiegang ZHANG Zhiguang SUN Shuangke LI Guangning LIU Haitao WEN Jingya(853)
Research on the predictive model for seepage in concrete dams considering the hysteresis effects of reservoir water level and temperature variations.....	CHEN Xudong LAN Tingting HU Shaowei XU Ying GUO Jinjun GU Chongshi(862)
Research on the interoperability of flood control reservoir capacity in the cascade reservoir group of the upper Yangtze River.....	NIU Wenjing WANG Zhenghua FENG Zhizhou WANG Xiang XU Yinshan CHEN Guiya(874)
A multi-objective risk operation model for real-time flood control of reservoir groups based on cloud computing .....	CHEN Juan ZHANG Lu SUN Feifei DENG Ruxia ZHONG Pingan(885)
Exploration of flow pattern optimization in the forebay of a sediment-laden pump station based on the adjoint method.....	WANG Haidong XU Dong RAN Qihua YUAN Saiyu TANG Hongwu(898)
Systematic accounting system for ecosystem service value of water conservancy projects.....	FU Yicheng ZHANG Jian ZHAO Jinyong ZHANG Chunling SHI Junbao(909)
Development and numerical implementation of a constitutive model for plastic concrete incorporating damage effects .....	SAI DONG LA Maxueyi CUI Wei JIANG Zhian ZHANG Baozeng(920)
A two-stage dynamic decomposition-prediction-reconstruction model for medium-long term runoff forecasting .....	CHEN Xiaoze WANG Zhongjing LIU Dan SHI Yujia KANG Boosik(933)
Visualization study and thermodynamic effect analysis of unsteady cavitation flow in microchannels .....	LIU Kun YAN Jianguo GUO Pengcheng LI Wenbo ZHAO Li(945)
Study on generating method of variable rate irrigation prescription map for sprinkler irrigation based on vegetation index .....	ZHANG Yongjing ZHAO Weixia SHAN Zhijie HUANG Qian(958)