

水利水运工程学报

2017 年 总 目 次

第 1 期(总第 161 期)

含空洞缺陷混凝土试件楔入劈拉性能分析	胡少伟,胡鑫(1)
基于组合赋权模糊云理论的高边坡稳定性评价	徐镇凯,温勇兵,魏博文,蒋水华(10)
地震作用下渗流边坡的动力响应耦合分析	梁超,张金良,练继建(18)
岩体隧洞岩爆过程微震特征及其扩展机制	于洋(26)
不同冻融循环次数混凝土单轴压缩试验	刘博文,彭刚,王孝政,马小亮,邓媛(32)
水库与山洪灾害防治协同预警模式	李宏恩,何勇军(37)
燕山水库汛限水位动态控制方案研究	褚青来,马福恒,叶伟(43)
近 50 年辽宁省大雨与暴雨时空变化特征分析	张亮亮,曹永强,朱明明(49)
国内外高桩码头抗震性能和设计方法研究进展 II:桩-土相互作用	高树飞,贡金鑫,冯云芬(57)
船闸运行状态与通过能力仿真分析	孔庄,廖鹏,杨春红,张明(73)
滑坡涌浪作用下系泊船舶安全试验研究	陈里,杨渠锋,喻涛,王平义(80)
高水头船闸一字闸门水动力特性数值模拟	陈琼,李云,刘本芹,王小东(87)
规则波作用下潜堤透浪系数数值模拟	潘冬冬,郝嘉凌,王红川(95)
不等直径串列圆柱绕流大涡模拟	胡彬,水庆象,王大国(103)
江苏沿海潮流数值模拟与潮流能估算	郇凯,章卫胜,王金华(111)

第 2 期(总第 162 期)

河湖清淤吹填土固结硬化及生态处治效果	唐彤芝,吴月龙,丛建,彭劼,姚雪军,张洪玮(1)
弧形闸门前漩涡特性研究	孙洪亮,刘亚坤,张鸿煜,刘洁洁(10)
国内外高桩码头抗震性能和设计方法研究进展 III:斜桩和桩-上部结构连接的抗震性能	高树飞,贡金鑫,冯云芬(16)
基于网络层次分析法的节水型社会综合评价	李岱远,高而坤,吴永祥,王高旭,万永静(29)
低能耗高保坝型聚羧酸系减水剂的合成及性能	唐修生,郑凌月,陈健(38)
真空预压加固吹填淤泥地基的孔隙水压力特性	许滨华,何宁,周彦章,姜彦彬,朱群峰(45)
基于正交设计的膨胀土冻融循环试验研究	宋迎俊,许雷,鲁洋,钱智宇,张雨灼,李剑萍(51)
基于联系期望的泥石流易发性评价模型	方成杰,钱德玲,徐士彬,姚兰飞,刘杰(59)
水库库首水温分层流物理模型试验分析	武玉涛,任华堂,何洁,夏建新(67)
水力坡度对淹没单丁坝近区水流结构的影响	顾杰,郑宇华(75)
2015 年长江口航道运行维护特征分析	赵德招,万远扬(82)
长江下游新生洲洲头分流段演变特征及洲头守护措施	洪思远,王建中,范红霞,朱立俊(91)
浙江沿海及长江口同步潮位数据比较分析	唐东跃,张沈阳,何文亮(100)
南宁市不同历时降水结构的多时间尺度研究	孙桂凯,高沫,余璇(107)
围垦工程对沙枉河口污染物输运影响分析	丁大志,张静波,周向华,章卫胜(115)

第 3 期(总第 163 期)

不同水文条件下通州沙河段沿程分流分沙特征	王金华, 闻云呈, 章卫胜(1)
堤防决口封堵的水力学特性	李火坤, 曾智超, 邓冰梅, 张利荣, 李宜忠(8)
黄河内蒙段泥沙组成与力学运动特征	秦 毅, 李子文, 刘 强, 李 时, 陈星星(16)
大沽河河道整治的准三维数值模型	杨 静, 黑鹏飞, 张滢元, 假冬冬, 方红卫, 冯金朝(25)
连云港海域悬沙和表层沉积物交换研究	刘 红, 顾 勇, 马兴华, 金 鏐(33)
石家庄市暴雨内涝精细化水动力模型应用	苑希民, 秦旭东, 张晓鹏, 封桂敏(41)
波浪在沙质海床上传播波长变化	倪云林, 章哲文, 唐志波, 王晋宝, 李德堂(51)
蚌埠市农业旱灾脆弱性综合评价	宋占智, 蒋尚明, 金菊良, 周玉良, 张 明(56)
局部冲刷对部分埋入单桩水平承载性状的影响	蒋建平, 陈文杰, 杨 栓(64)
单桩水平承载力鲁棒性设计与分析	张 峰, 王旭东, 周 峰, 成建阳(71)
宏细观振动对选择性热激励效果的影响	贾 宇, 梁永梅, 汤 雷, 李 红, 胡良浩(79)
不同养护方式对水泥-锂渣浆体水化程度影响	吴福飞, 宫经纬, 董双快, 陈昌礼, 赵振华(86)
含冷却水管混凝土坝温度计埋设位置优选	高 俊, 黄耀英, 万智勇, 殷德胜, 袁 斌(93)
不同初始孔隙水压力下混凝土动态力学特性	谢京辉, 彭 刚, 陈灯红, 操 佩, 柳 琪(99)
环境水侵蚀下水泥净浆钙溶蚀的模拟与验证	马 强, 左晓宝, 汤玉娟(107)
杭州湾跨海大桥南岸接线高速公路深厚软基处理	刘慈军, 何 宁, 董英杰, 周彦章, 陈 涛, 国建飞, 周玉娟(116)
我国结构抗浮水位研究现状与展望	王军辉, 陶连金, 韩 煊, 周宏磊(124)

第 4 期(总第 164 期)

五里亭船闸下游引航道综合整治	王晓刚, 王小东, 宣国祥, 鄢 俊(1)
游艇波浪侵蚀长港河河岸的计算分析	刘川顺, 陈曦濛, 鲁晓义(8)
高水头船闸阀门顶缝空化切片试验研究	王 新, 胡亚安, 严秀俊, 吴 波, 钱文勋(14)
太浦闸水量水质联合调度对金泽水库水质影响	戴晶晶, 陈 红, 彭焱梅, 张亚洲, 武 剑, 胡庆芳(20)
基于 Holland 风场的台风浪数值计算	杨万康, 尹宝树, 伊小飞, 杨青莹, 施伟勇(28)
三峡水库蓄水后宜昌枯水位的时变特征及成因	郭 怡, 孙昭华, 罗方冰(35)
基于局部拟合法的低能沙质海岸比尺设计	尹 硕, 潘 毅, 陈永平(43)
太湖流域平原河网区水系连通性评价	诸发文, 陆志华, 蔡 梅, 王元元(52)
海河流域径流变化趋势及其归因分析	张利茹, 贺永会, 唐跃平, 王国庆(59)
生物倍增反应器气泡流态特性分析	董 亮, 曾 涛, 刘少北, 王 勇, 张长练, 何 雨(67)
带键槽透水底板脉动压力试验研究	马 斌, 马永磊, 李昕尧(76)
孤立波作用下海底管道允许悬跨长度简化计算	付长静, 李国英, 赵天龙(83)
循环荷载后围压水对混凝土力学特性影响	杨乃鑫, 陈灯红, 彭 刚, 肖 杰, 徐童淋(89)
堆石料广义塑性模型对不同应力路径适应性研究	卞士海, 李国英, 魏匡民, 米占宽(97)
考虑径流补给的滑坡渗流三维有限元模拟	何玲丽, 田东方(105)

第 5 期(总第 165 期)

土坝溃决跌坎水流水动力特性数值模拟	祝 龙,周冬卉,李 云,宣国祥,王晓刚(1)
阶梯形丁坝下游回流规律分析	钟 亮,孙建云,刘珺洁,周鑫靖(9)
一种气垫式调压室防漏新方法	牟 萍,陈野鹰,刘志敏(18)
50 年来辽宁省不同等级舒适日数演变及空间区划分析	曹永强,郭 明,乌日娜(23)
基于耦合水动力模型的药湖联圩区洪水风险分析	陈俊鸿,陈炼钢,王 岗,施 勇,刘小龙(30)
新型透空组合板式防波堤结构型式及消浪特性分析	唐 雯,胡 俊,程永舟,胡有川(37)
坝垛工程根石走失数值模拟	刘珮勋,兰 雁,陈宇豪,姚 池(45)
甬江及河口附近海域枯季水沙特性分析	王煜祺,陈 珺,吴 峥,李晓坤(51)
入海水道二期对洪泽湖地区洪水风险的影响研究	周 洁,董增川,朱振业(60)
基于 MIKE FLOOD 的城区溃坝洪水模拟研究	王 欣,王玮琦,黄国如(67)
钢筋在堆石料中的拉拔试验研究	何 亮,李国英(74)
基于改进 p - y 曲线法的单桩水平受荷计算	蒋建平,杨 栓(80)
基于层面参数等效的碾压混凝土坝渗流场与应力场耦合分析	魏博文,周方明,徐镇凯(88)
基于 SEM 图像处理的天然硅藻土分形特征分析	王月香,吉 锋,顾欢达,丁建文(96)
基于桩筒复合基础海上风机振动特性分析	管友海,西文喜,唐兴亮,甘 毅,张如林(103)
取样卸荷对膨胀性泥岩强度与变形特性影响的试验研究	马福荣,张信贵,易念平(109)

第 6 期(总第 166 期)

高水头船闸第二分流口自分流体型水力特性研究	祝 龙,李 君,宣国祥,严秀俊,黄 岳(1)
贵港二线船闸下引航道物理模型试验研究	徐进超,宣国祥,刘本芹,黄 岳,祝 龙(9)
三峡库区滑坡涌浪作用下船舶锚链拉力试验研究	胡杰龙,王平义,任晶轩,喻 涛,程志友(14)
基于改进节点虚流量法的渠道工程施工期渗流场分析	裴传康,魏炳乾,陈守开,杨 坡(22)
若尔盖高原泥炭型弯曲河道崩岸过程模拟	李志威,郭 楠,胡旭跃,王晓娟,李艳富(29)
大沽河河道整治方案的准三维数值模拟优化	杨 静,黑鹏飞,张濛元,冯金朝,周 刚,方红卫(37)
掺气坎角度对溢流坝阶梯面掺气空腔的影响	张 靓,杨具瑞,陈玉壮(45)
高桩码头裂缝开合度监测模型研究	陈旭东,李俊杰,霍中艳(53)
分形理论在堆石料流变中的应用	卞士海,李国英,米占宽(60)
混凝土冻融劣化后动态单轴抗压特性试验研究	徐童淋,彭 刚,杨乃鑫,柳 琪(69)
颗粒形状及级配粗颗粒土休止角的影响	王 龙,陆晓平,薄以霆(79)
冻融劣化混凝土循环加卸载外包络线及能量演化	柳 琪,彭 刚,徐童淋,杨乃鑫(85)
近海复杂环境因素对闸墩混凝土裂缝的影响	王振振,张社荣(92)
考虑温度历程的混凝土坝实测应变转换应力分析	练 迪,黄耀英,朱赵辉,高 俊(98)
我国新型城镇化进程中水问题及对策	吴 强,刘 汗(104)
加筋生态护坡技术的应用与发展	张同鑫,潘 毅,张 壮,苏致远,王 倩,徐圣卓,胡玉植,陈永平(110)

HYDRO-SCIENCE AND ENGINEERING

Contents of No.1–6 in 2017

(Total No.161–166)

No.1 (Total No.161), February 2017

- Experimental studies and performance analysis of wedge splitting for concrete specimens with cavity defects
..... HU Shaowei, HU Xin(1)
- Stability evaluation method for high slope based on fuzzy cloud theory combined with weights
..... XU Zhenkai, WEN Yongbing, WEI Bowen, JIANG Shuihua(10)
- Hydromechanical coupling analysis of dynamic response of seepage slope under earthquake
..... LIANG Chao, ZHANG Jinliang, LIAN Jijian(18)
- Characteristics and evolution mechanism of micro-seismic events of rockbursts in deep rock tunnels YU Yang(26)
- Experimental studies on dynamic properties of concrete under different freeze-thaw cycles
..... LIU Bowen, PENG Gang, WANG Xiaozheng, MA Xiaoliang, DENG Yuan(32)
- Early collaborative warning mode for non-engineering measures of reservoirs and flash flood disaster prevention
..... LI Hongen, HE Yongjun(37)
- Dynamic control scheme of flood control level for Yanshan reservoir CHU Qinglai, MA Fuheng, YE Wei(43)
- Spatiotemporal variation characteristics of heavy rainfall and rainstorm in Liaoning Province over past 50 years
..... ZHANG Liangliang, CAO Yongqiang, ZHU Mingming(49)
- Advances in research on seismic performance and design methods for pile-supported wharves Part II : Pile-soil
interaction GAO Shufei, GONG Jinxin, FENG Yunfen(57)
- Analysis of shiplock operation and throughput capacity based on traffic simulation model
..... KONG Zhuang, LIAO Peng, YANG Chunhong, ZHANG Ming(73)
- Model experimental studies of safety of moored ship under landslide surge action
..... CHEN Li, YANG Qufeng, YU Tao, WANG Pingyi(80)
- Numerical simulation of hydrodynamic characteristics of single-leaf gate of high-head navigation lock
..... CHEN Qiong, LI Yun, LIU Benqin, WANG Xiaodong(87)
- Numerical simulation of regular wave transmission coefficient over submerged breakwater
..... PAN Dongdong, HAO Jialing, WANG Hongchuan(95)
- Large eddy simulation of flow past two tandem cylinders with different diameters
..... HU Bin, SHUI Qingxiang, WANG Daguo(103)
- Numerical simulation of tidal current and estimation of tidal current energy in Jiangsu coast
..... LI Kai, ZHANG Weisheng, WANG Jinhua(111)

No.2 (Total No.162), April 2017

- Hardening of hydraulic fill dredged from rivers & lakes and its ecological treatment effect
..... TANG Tongzhi, WU Yuelong, CONG Jian, PENG Jie, YAO Xuejun, ZHANG Hongwei(1)
- Experimental studies on characteristics of vortex formed in front of radial gate
..... SUN Hongliang, LIU Yakun, ZHANG Hongyu, LIU Jiejie(10)
- Advances in research on seismic performance and design methods for pile-supported wharves Part III : Seismic performance of batter
piles and pile-superstructure connections GAO Shufei, GONG Jinxin, FENG Yunfen (16)
- Comprehensive evaluation of water-saving society based on analytic network process
..... LI Daiyuan, GAO Erkun, WU Yongxiang, WANG Gaoxu, WAN Yongjing(29)
- Synthesis and properties of low-energy consumption and high slump retaining type of polycarboxylate superplasticizer
..... TANG Xiusheng, ZHENG Lingyue, CHEN Jian(38)

Discussion on characteristics of pore pressure in hydraulic reclamation silt foundation under vacuum preloading	.....	XU Binhua, HE Ning, ZHOU Yanzhang, JIANG Yanbin, ZHU Qunfeng(45)
Experimental studies on freeze-thaw cycles of expansive soil based on orthogonal design	.....	SONG Yingjun, XU Lei, LU Yang, QIAN Zhiyu, ZHANG Yuzhuo, LI Jianping(51)
An assessment model for debris flow liability to occurrence based on connectional expectation	.....	FANG Chengjie, QIAN Deling, XU Shibin, YAO Lanfei, LIU Jie(59)
Experimental studies on water temperature stratified flow in front region of reservoirs	.....	WU Yutao, REN Huatang, HE Jie, XIA Jianxin(67)
Influences of different hydraulic gradients on flow structures near submerged spur dike	.....	GU Jie, ZHENG Yuhua(75)
Characteristic analysis of dredging maintenance for Yangtze River estuary deepwater navigation channel in 2015	.....	ZHAO Dezhaoh, WAN Yuanyang(82)
Evolution characteristics and protection measures for diversion section of Xinshengzhou shoal head in lower Yangtze River	.....	HONG Siyuan, WANG Jianzhong, FAN Hongxia, ZHU Lijun(91)
Comparative analysis of synchronous tidal data from Zhejiang coast and Yangtze River estuary	.....	TANG Dongyue, ZHANG Shenyang, HE Wenliang(100)
Analysis of multi-time scales of precipitation pattern at different durations for Nanning city	.....	SUN Guikai, GAO Mo, SHE Xuan(107)
Numerical analysis of influences of reclamation works on pollutant transportation along Shawang River estuary	.....	DING Dazhi, ZHANG Jingbo, ZHOU Xianghua, ZHANG Weisheng(115)

No.3 (Total No.163), June 2017

Water-sediment diversion ratio along Tongzhousha shoal reach under different hydrological conditions	.....	WANG Jinhua, WEN Yuncheng, ZHANG Weisheng(1)
Hydraulic characteristics of levee breach closure	.....	LI Huokun, ZENG Zhichao, DENG Bingmei, ZHANG lirong, LI Yizhong(8)
Sediment fraction and its mechanic movement characteristics in Inner Mongolia reach of Yellow River	.....	QIN Yi, LI Ziwen, LIU Qiang, LI Shi, CHEN Xingxing(16)
Application of quasi-3D hydrodynamic numerical model to channel regulation scheme for Dagu River	.....	YANG Jing, HEI Pengfei, ZHANG Yingyuan, JIA Dongdong, FANG Hongwei, FENG Jinchao(25)
Analysis of exchange of suspended and surface sediments in Lianyungang harbor and adjacent sea waters	.....	LIU Hong, GU Yong, MA Xinghua, JIN Liu(33)
Application and research of fine model for Shijiazhuang rainstorm waterlogging	.....	YUAN Ximin, QIN Xudong, ZHANG Xiaopeng, FENG Guimin(41)
Changes in wavelength of wave propagation over a sandy seabed	.....	NI Yunlin, ZHANG Zhewen, TANG Zhibo, WANG Jinbao, LI Detang(51)
Comprehensive assessment of agricultural drought vulnerability based on improved cloud similarity: a case study of Bengbu city	.....	SONG Zhanzhi, JIANG Shangming, JIN Juliang, ZHOU Yuliang, ZHANG Ming(56)
Impacts of local scour on lateral bearing behavior of partially embedded single piles	.....	JIANG Jianping, CHEN Wenjie, YANG Shuan(64)
Robust geotechnical design and analysis of horizontal bearing capacity of laterally loaded pile	.....	ZHANG Feng, WANG Xudong, ZHOU Feng, CHENG Jianyang(71)
Influences of macro and micro vibration on selective thermal excitation effect	.....	JIA Yu, LIANG Yongmei, TANG Lei, LI Hong, HU Lianghao(79)
Influences of different curing methods on cement-lithium slag slurry hydration degree	.....	WU Fufei, GONG Jingwei, DONG Shuangkuai, CHEN Changli, ZHAO Zhenhua(86)
Optimization analysis of setting location of thermometer in concrete dam with cooling water pipes	.....	GAO Jun, HUANG Yaoying, WAN Zhiyong, YIN Desheng, YUAN Bin(93)

Dynamic properties of concrete under different initial pore water pressure	XIE Jinghui, PENG Gang, CHEN Denghong, CAO Pei, LIU Qi(99)
Numerical simulation of calcium leaching process of hardened cement paste under action of environmental water	MA Qiang, ZUO Xiaobao, TANG Yujuan(107)
Treatment technology for deep and thick soft foundation of south linkage expressway of Hangzhou Bay Cross-sea Bridge	LIU Cijun, HE Ning, DONG Yingjie, ZHOU Yanzhang, CHEN Tao, GUO Jianfei, ZHOU Yujuan(116)
Research status and progress of groundwater level against floating of structures in China	WANG Junhui, TAO Lianjin, HAN Xuan, ZHOU Honglei(124)

No.4 (Total No.164) , August 2017

Comprehensive regulation of navigation conditions of lower approach channel of Wuliting navigation lock	WANG Xiaogang, WANG Xiaodong, XUAN Guoxiang, YAN Jun(1)
Calculation and analysis of bank erosion of Changgang River caused by yacht-generated waves	LIU Chuanshun, CHEN Ximeng, LU Xiaoyi(8)
Sectioning test study on valve top gap cavitation of high-head lock	WANG Xin, HU Ya'an, YAN Xiujun, WU Bo, QIAN Wenxun(14)
Impacts of water quantity and quality joint operation for Taipu sluice on water quality in Jinze reservoir	DAI Jingjing, CHEN Hong, PENG Yanmei, ZHANG Yazhou, WU Jian, HU Qingfang(20)
Numerical calculation and research of typhoon waves based on Holland wind field	YANG Wankang, YIN Baoshu, YI Xiaofei, YANG Qingying, SHI Weiyong(28)
Time-variation characteristics and causes of Yichang low-water level since impoundment of Three Gorges reservoir	GUO Yi, SUN Zhaohua, LUO Fangbing(35)
Scale design based on local curve fitting method for low-energy sandy beach	YIN Shuo, PAN Yi, CHEN Yongping(43)
Evaluation of river network connectivity in plain area of Taihu basin	ZHU Fawen, LU Zhihua, CAI Mei, WANG Yuanyuan(52)
Analysis of runoff change trend and its attribution in Haihe River basin	ZHANG Liru, HE Yonghui, TANG Yueping, WANG Guoqing(59)
PIV measurement and POD analysis of bubble flow characteristics in bio-doubling reactor	DONG Liang, ZENG Tao, LIU Shaobei, WANG Yong, ZHANG Changlian, HE Yu(67)
Experimental studies of pulsating pressures on pervious base slab with keyway	MA Bin, MA Yonglei, LI Xinyao (76)
Simplified calculation of allowable free span length of submarine pipelines under action of solitary waves	FU Changjing, LI Guoying, ZHAO Tianlong(83)
Mechanical properties of concrete under confining pressure after cyclic loading	YANG Naixin, CHEN Denghong, PENG Gang, XIAO Jie, XU Tonglin(89)
Study on adaptability of generalized plasticity model of rockfill materials under various stress paths	BIAN Shihai, LI Guoying, WEI Kuangmin, MI Zhankuan(97)
3D FEM numerical simulation of infiltration of landslide considering runoff	HE Lingli, TIAN Dongfang(105)

No.5 (Total No.165) , October 2017

Numerical study of hydrodynamic characteristics of dam-break headcut flow	ZHU Long, ZHOU Donghui, LI Yun, XUAN Guoxiang, WANG Xiaogang(1)
Analysis on law of backflow around step-shaped spur dike	ZHONG Liang, SUN Jianyun, LIU Junjie, ZHOU Xinjing(9)
A new anti-leakage method used in air cushion surge chamber	MU Ping, CHEN Yeying, LIU Zhimin(18)
Analysis of variation in human body comfort days of different grades and its spatial distribution in Liaoning Province in recent 50 years	CAO Yongqiang, GUO Ming, WU Rina(23)
Flood risk analysis for Yaohu Lake dyke based on coupled hydrodynamic model	CHEN Junhong, CHEN Liangang, WANG Gang, SHI Yong, LIU Xiaolong(30)
Analysis of structure and wave dissipation characteristics of a new type of perforated composite plate breakwater	TANG Wen, HU Jun, CHENG Yongzhou, HU Youchuan(37)

Numerical simulation of root stones lost in dam buttress project	LIU Peixun, LAN Yan, CHEN Yuhao, YAO Chi(45)
Analysis of water-sediment characteristics of the Yong River mouth and adjacent sea waters during dry season	WANG Yuqi, CHEN Jun, WU Zheng, LI Xiaokun(51)
Influence of sea-entering channel phase II project on flood risk in Hongze Lake area	ZHOU Jie, DONG Zengchuan, ZHU Zhenye(60)
Simulation research of urban dam break flood based on MIKE FLOOD model	WANG Xin, WANG Weiqi, HUANG Guoru(67)
Pull-out test analysis of steel bar in rockfill materials	HE Liang, LI Guoying(74)
A calculation of horizontal loaded single pile based on improved p - y curve method	JIANG Jianping, YANG Shuan(80)
Coupling analysis of seepage field and stress field of roller compacted concrete dam based on equivalent layer parameters	WEI Bowen, ZHOU Fangming, XU Zhenkai(88)
Fractal characteristics of natural sedimentary diatomaceous earth based on SEM images	WANG Yuexiang, JI Feng, GU Huanda, DING Jianwen(96)
Analysis of vibration characteristics of offshore wind turbine with pile-tube composite foundation	GUAN Youhai, XI Wenxi, TANG Xingliang, GAN Yi, ZHANG Rulin(103)
Experimental study of unloading impact on deformation behavior and strength of mudstone in sampling state	MA Furong, ZHANG Xingui, YI Nianping(109)

No.6 (Total No.166), December 2017

Numerical study of hydraulic characteristics of self-diffuence structure in second diversion port of high-head lock	ZHU Long, LI Jun, XUAN Guoxiang, YAN Xiujun, HUANG Yue(1)
Model test study of low approach channel of Guigang second line shiplock	XU Jinchao, XUAN Guoxiang, LIU Benqin, HUANG Yue, ZHU Long(9)
Experimental study of ship mooring force under action of landslide in Three Gorges Reservoir area	HU Jielong, WANG Pingyi, REN Jingxuan, YU Tao, CHENG Zhiyou(14)
Analysis of seepage field based on improved node virtual flow method in a large-scale canal project during construction period	PEI Chuankang, WEI Bingqian, CHEN Shoukai, YANG Po(22)
Conceptually modelling of cantilever bank failure processes of peat-type meandering channel in the Zoige Plateau	LI Zhiwei, GUO Nan, HU Xuyue, WANG Xiaojuan, LI Yanfu(29)
Simulation and optimization of quasi-3D hydrodynamic numerical model of channel regulation scheme for Dagou River	YANG Jing, HEI Pengfei, ZHANG Yingyuan, FENG Jinchao, ZHOU Gang, FANG Hongwei(37)
Influences of pre-aerator angle variations on length of aerated cavity and pressure of stepped spillway	ZHANG Liang, YANG Jurui, CHEN Yuzhuang(45)
Study of monitoring model of crack opening displacement for high-pile wharf	CHEN Xudong, LI Junjie, HUO Zhongyan(53)
Application of fractal theory in rockfill rheology	BIAN Shihai, LI Guoying, MI Zhankuan(60)
Experimental studies of dynamic uniaxial compressive properties of concrete after freeze-thaw deterioration	XU Tonglin, PENG Gang, YANG Naixin, LIU Qi(69)
Influence of particle size and gradation on repose angle of coarse-grained soil	WANG Long, LU Xiaoping, BO Yiting(79)
Study of outer envelope curve and energy evolution for freeze-thaw deteriorated concrete under cyclic loading and unloading test	LIU Qi, PENG Gang, XU Tonglin, YANG Naixin(85)
Impacts of offshore complex environment factors on cracks in concrete piers	WANG Zhenzhen, ZHANG Sherong(92)
Analysis of transition from measured strain to stress of concrete dams considering temperature effects	LIAN Di, HUANG Yaoying, ZHU Zhaohui, GAO Jun(98)
Water problems and countermeasures during the process of new urbanization in China	WU Qiang, LIU Han(104)
Application and development of TRM technology in revetment works	ZHANG Tongxin, PAN Yi, ZHANG Zhuang, SU Zhiyuan, WANG Qian, XU Shengzhuo, HU Yuzhi, CHEN Yongping(110)