

主管：上海市科学技术协会

主办：上海市净水技术学会 / 上海市城乡建设和交通委员会科学技术委员会办公室

# 净水技术

Jingshui

Jishu

# 5

ISSN 1009-0177

CN 31-1513/TQ

CODEN JSJSAK

中国科技核心期刊

第四届华东地区优秀期刊

**2012 Vol.31 No.5**

## WATER PURIFICATION TECHNOLOGY

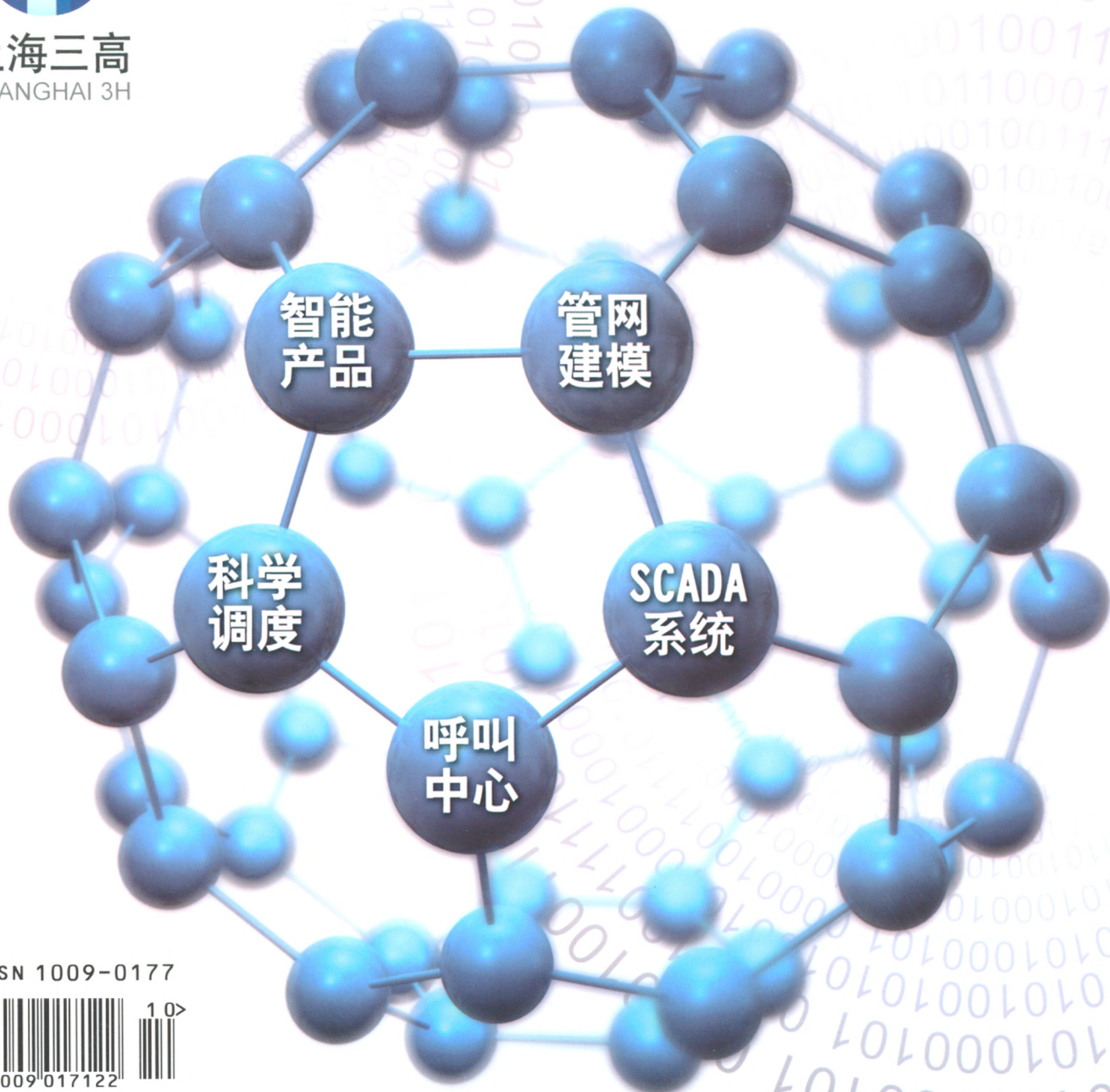


上海三高  
SHANGHAI 3H

公司电话：+86-21-65635776

客服热线：+86-21-55572216

公司网址：[www.shanghai3h.com](http://www.shanghai3h.com)



ISSN 1009-0177



万方数据

# 目 次

## 水资源与给水处理

- 铜锈环棱螺对原水中藻类及营养盐的影响 ..... 顾 静, 王绍祥, 朱宜平, 等 (1)
- 黄浦江上游水源地水质预警监测因子筛选 ..... 张海春, 胡雄星, 韩中豪, 等 (6)
- 青草沙水库浮游藻类的调查及控制 ..... 蒋增辉 (9)
- 采用浸没式平板陶瓷膜处理东江原水的应用试验 ..... 范小江, 盛德洋, 张建国, 等 (15)
- 活性炭-石英砂双层滤池去除氨氮和亚硝酸盐氮的特性 ..... 丁 卫, 盛德洋, 张晓健, 等 (20)
- 正渗透-纳滤耦合处理苦咸水脱盐工艺 ..... 时 强, 张 乾, 阮国岭, 等 (25)
- 水化硅酸钙与沸石滤柱去除水中低浓度氮磷 ..... 董 阳, 雷月华, 李春杰, 等 (29)
- 直接利用雨水资源作为岛礁饮用水水源的技术可行性 ..... 邹士洋, 田 力, 张建平, 等 (33)

## 污废水处理及回用

- 制革废水的铁炭微电解深度处理工艺 ..... 余 彬, 张 杰, 程家迪, 等 (37)

## 设备与材料

- 超滤膜系统内部结构对膜过滤性能的影响 ..... 钱伶俐, 雷晓玲, 何栋奎 (42)
- 共混比及聚合物浓度对 PVC/PVB 相容性及超滤膜性能结构的影响  
..... 朱晶逸, 迟莉娜, 张遥遥, 等 (46)
- 新型反渗透膜阻垢剂 GDMP 阻垢性能评价 ..... 刘宗语, 郇和生, 谢文州 (55)
- 海水及苦咸水处理与利用膜产品质量抽检状况分析 ..... 王 意, 吴建梅, 久岚颖, 等 (59)
- 中空纤维膜纺丝液体系(PVDF/TEP/Al<sub>2</sub>O<sub>3</sub>)的流变性 ..... 张召才, 郭春刚, 刘国昌, 等 (63)

## 设计与工程实例

- 往复式底部刮泥机在矩形沉淀池中的设计与应用 ..... 朱寅春, 阎小玲, 王 晏, 等 (67)
- 钦州港水厂扩建工程设计方案 ..... 沈 文, 熊家晴, 谢志稳 (71)
- 睢宁水厂取水设计方案比选 ..... 邱云龙, 韩素华 (76)
- 城市供水多系统集成 SCADA 调度信息平台 ..... 王伟华 (79)
- 预制线性排水系统与常见室外排水系统比较 ..... 李 燕, 陆 焯 (84)

征订信息 ..... (87, 88, J1, J2)

广告目次 ..... (66)

# CONTENTS

## WATER RESOURCE AND WATER TREATMENT

- Influence of Raising *Bellamyia Aeruginosa* on Algae and Nutrients in Raw Water  
..... Gu Jing, Wang Shaoxiang, Zhu Yiping, *et al.* (1)
- Screening and Selection of Pollution Indicators of Early Warning and Monitoring System for Water Source on  
Upper Reaches of Huangpu River ..... Zhang Haichun, Hu Xiongxing, Han Zhonghao, *et al.* (6)
- Investigation and Control of Phytoplankton in Qingcaosha Reservoir ..... Jiang Zenghui (9)
- Experiment on Application of Treatment for Raw Water From Dongjiang River with Immersion-Type Flat Ceramic Membrane  
..... Fan Xiaojiang, Sheng Deyang, Zhang Jianguo, *et al.* (15)
- Characteristics of Ammonia Nitrogen and Nitrite Nitrogen Removal with GAC-Sand Dual Media Filter Processes  
..... Ding Wei, Sheng Deyang, Zhang Xiaojian, *et al.* (20)
- Technological Processes of Desalination Treatment for Brackish Water with Coupled Forward Osmosis-Nanofiltration System  
..... Shi Qiang, Zhang Qian, Ruan Guoling, *et al.* (25)
- Removal of Low Concentration of Nitrogen and Phosphorus from Water Processes of Filter Columns Adsorption  
Filled with Hydrated Calcium Silicate and Natural Zeolite ..... Dong Yang, Lei Yuehua, Li Chunjie, *et al.* (29)
- Technical Feasibility of Direct Application of Rainwater as Drinking Water Source in Islets  
..... Zou Shiyang, Tian Li, Zhang Jianping, *et al.* (33)

## WASTEWATER TREATMENT AND REUSE

- Advanced Treatment Processes of Ferric-Carbon Microelectrolysis for Tannery Wastewater  
..... Yu Bin, Zhang Jie, Cheng Jiadi, *et al.* (37)

## EQUIPMENT AND MATERIAL

- Influence of Internal Structure of UF System on Filtration Performance of Membrane  
..... Qian Lingcheng, Lei Xiaoling, He Dongkui (42)
- Influence of Blending Ratio and Polymer Concentration on Miscibility of PVC/PVB and Property & Structure of  
Flat Ultra-Filtration Membrane ..... Zhu Jingyi, Chi Lina, Zhang Yaoyao, *et al.* (46)
- Performance Evaluation of a New Type Scale Inhibitor GDMP for RO membrane  
..... Liu Zongyu, Li Hesheng, Xie Wenzhou (55)
- Analysis of Sampling Inspection for Membrane Products Quality in Utilization and Treatment of Seawater and Brackish Water  
..... Wang Yi, Wu Jianmei, Jiu Lanying, *et al.* (59)
- Rheological Behavior of Spinning Solution System (PVDF/TEP/Al<sub>2</sub>O<sub>3</sub>) for Hollow Fiber Membrane  
..... Zhang Zhaocai, Guo Chungang, Liu Guochang, *et al.* (63)

## DESIGN AND ENGINEERING CASES

- Design and Application of Reciprocating Bottom Sludge Scraper for Rectangular Sedimentation Basins  
..... Zhu Yinchun, Yan Xiaolin, Wang Yan, *et al.* (67)
- Design Scheme of Extension Project of Water Treatment Plant in Qin Zhou Port  
..... Shen Wen, Xiong Jiaqing, Xie Zhiwen (71)
- Scheme Selection of Design for Water Intake Project of Water Treatment Plant in Suining  
..... Qiu Yunlong Han Suhua (76)
- SCADA Controlling Information Platform of Integrated Multi-Systems for Urban Water Supply ..... Wang Weihua (79)
- Comparison of Prefabricated Linear Drainage System and Conventional Outdoor Drainage System  
..... Li Yan, Lu Ye (84)

## SUBSCRIPTION

(87, 88, J1, J2)

## ADVERTISING CONTENTS

(66)