

# 学术研究篇

## 目 次

### 论述与研究

- 城市污水处理厂活性污泥系统仙女虫的产生与防治 ..... 万 琼,安少锋,鲁海峰,等(1)  
好氧颗粒污泥处理综合城市污水的中试研究 ..... 李志华,付进芳,李 胜,等(4)  
自生动态膜生物反应器处理城市污水的运行特性 ..... 官宝锐,徐得潜,王允坤,等(9)  
固定化生物催化剂用于污水厂污泥减量的研究 ..... 周海滨,黄瑞敏,黄黎明(12)  
两瓶型微生物燃料电池处理垃圾渗滤液的研究 ..... 谢 珊,梁 鹏,李 亮,等(16)  
MBR 出水氯胺消毒对三卤甲烷的控制效果 ..... 奚璐翊,杨艳玲,李 星,等(21)  
环流式活性污泥/生物膜组合工艺的脱氮除磷性能 ..... 吉芳英,赵 易,熊 黎,等(25)  
浸没式厌氧膜生物反应器的研发及其除污效能 ..... 周保昌,陆晓峰,卞晓锴,等(29)  
新型组合工艺处理印染废水的中试研究 ..... 宋华龙,戴海润,袁 舟,等(32)  
曝气生物滤池用于电镀废水深度处理的研究 ..... 左 鸣,汪晓军,李达宁(35)

### 技术总结

- 城市供水管网的安全优化运行与污染控制 ..... 刘锐平,曲久辉,刘锁祥,等(39)  
中山市给供水网咸潮模型的建立 ..... 陈 忠,刘 勇,梁卓其,等(44)  
供水管网管垢的特征及其对水质的影响研究 ..... 廖丽妃,胡学香,胡 春,等(47)  
天津市主要水体的氮污染特征分析 ..... 高 翔,蒙海涛,易晓娟(51)  
利用 DEM 划分雨水汇水面积的方法研究 ..... 马立山,姚 力,张海平,等(56)  
高速公路路面径流雨水沉降特性试验研究 ..... 左晓俊,李 贺,府灵敏,等(60)  
市政再生水对铸铁材料的腐蚀特性研究 ..... 刘 峥,石宝友,郑 红,等(64)  
生物膜冲洗的若干问题探讨 ..... 陈 蓉(69)  
黄浦江溢油对松浦大桥取水口的风险分析研究 ..... 李飞鹏,张海平,姜 月,等(71)  
磁絮凝在强化处理受污染河水中的应用 ..... 胡家玮,李 军,陈 瑜,等(75)  
投加粉末活性炭对 MBR 中膜污染的影响 ..... 欧阳科,谢 珊,黎丽华,等(78)  
阳离子改性淀粉处理石化废水的试验研究 ..... 李 娜,徐继润(82)  
反硝化聚磷体系中颗粒污泥的特性研究 ..... 张晓昕,邱 珊,杨基先,等(85)  
不同流态对好氧污泥颗粒化的影响 ..... 饶彤彤,王 立,李 军,等(88)  
不同外加碳源生物滤池的深度处理特性与经济分析 ..... 夏琼琼,颜秀勤,张向阳,等(91)  
城市污水培养好氧颗粒污泥及其降解特性 ..... 刘绍根,梅子鲲,任伟博,等(95)  
低 DO 浓度下 A/O 型 SBR 工艺除污性能研究 ..... 左金龙,李俊生,黄丽坤,等(99)

### 污泥处理与处置

- 《城镇污水处理厂污泥处置 林地用泥质》的编制原则 ..... 郑国砥,陈同斌,高 定,等(103)  
污泥生物发酵车间加设集气罩对臭气扩散的影响 ..... 沈玉君,陈同斌,刘洪涛,等(106)

企业动态:(20)、(24)、(108) 版权声明:(46) 技术交流:(63)

## ACADEMIC RESEARCH EDITION

# C O N T E N T S

### THESES AND RESEARCHES

Production, Prevention and Cure of <i>Nais elonguis</i> in Activated Sludge System of WWTP .....	WAN Qiong, et al. (1)
Pilot Study on Aerobic Granular Sludge for Treating Comprehensive Municipal Wastewater .....	LI Zhi-hua, et al. (4)
Operation Characteristics of Self-forming Dynamic Membrane Bioreactor for Municipal Sewage Treatment .....	GUAN Bao-rui, et al. (9)
Application of Immobilized Biocatalyst to Sludge Reduction in Wastewater Treatment Plant .....	ZHOU Hai-bin, et al. (12)
Landfill Leachate Treatment with Two-bottle H Type Microbial Fuel Cell .....	XIE Shan, et al. (16)
Control Effect of THMs during Chloramine Disinfection of Effluent from MBR .....	JI Lu-ji, et al. (21)
Phosphorus and Nitrogen Removal in Combined Process of Cyclic Activated Sludge and Biofilm .....	JI Fang-ying, et al. (25)
Development of Submerged Anaerobic Membrane Bioreactor and Its Pollutant Removal Efficiency .....	ZHOU Bao-chang, et al. (29)
Pilot Study on a Novel Combined Process for Treating Printing and Dyeing Wastewater .....	SONG Hua-long, et al. (32)
Advanced Treatment of Electroplating Wastewater by Biological Aerated Filter .....	ZUO Ming, et al. (35)

### TECHNOLOGY SUMMARY

Safe and Optimized Operation and Pollution Control of Urban Water Distribution System .....	LIU Rui-ping, et al. (39)
Establishment of Salt Tide Model for Water Supply Network of Zhongshan City .....	CHEN Zhong, et al. (44)
Characterization of Corrosion Scales in Water Distribution System and Their Effect on Water Quality .....	LIAO Li-fei, et al. (47)
Analysis of Nitrogen Pollution Characteristics in Water Bodies of Tianjin .....	GAO Xiang, et al. (51)
Research on Rainwater Catchment Area Delineation Based on DEM .....	MA Li-shan, et al. (56)
Experimental Study on Settleability of Rainfall Runoff from Highway Surface .....	ZUO Xiao-jun, et al. (60)
Corrosion of Cast Iron in Reclaimed Municipal Wastewater .....	LIU Zhe, et al. (64)
Discussion on Some Problems about Biofilm Flushing .....	CHEN Rong (69)
Risk Analysis of Huangpu River Oil Spills on Water Intake at Songpu Bridge .....	LI Fei-peng, et al. (71)
Application of Magnetic Flocculation Technology in Enhanced Treatment of Polluted River Water .....	HU Jia-wei, et al. (75)
Effect of Powdered Activated Carbon on Membrane Fouling in Membrane Bioreactor .....	OUYANG Ke, et al. (78)
Experimental Study on Treatment of Petrochemical Wastewater by Cation Modified Starch Flocculant .....	LI Na, et al. (82)
Study on Characteristics of Granular Sludge in Denitrifying Phosphorus Removal Process .....	ZHANG Xiao-xin, et al. (85)
Effect of Different Flow Patterns on Aerobic Sludge Granulation .....	RAO Tong-tong, et al. (88)
Advanced Treatment Characteristics of Biofilter with Different External Carbon Sources and Its Techno-economic Analysis .....	XIA Qiong-qiong, et al. (91)

Cultivation of Aerobic Granular Sludge Using Municipal Wastewater and Its Degradation Characteristics .....	LIU Shao-gen, et al. (95)
Pollutant Removal Performance of A/O-type SBR Process under Low DO .....	ZUO Jin-long, et al. (99)

### SLUDGE TREATMENT AND DISPOSAL

Formulation Principles of <i>Disposal of Sludge from Municipal Wastewater Treatment Plant—Quality of Sludge Used in Forestland</i> .....	ZHENG Guo-di, et al. (103)
Influence of Gas Cover on Odor Diffusion in Aerobic Biological Fermentation Workshop .....	SHEN Yu-jun, et al. (106)