

ISSN1000-4602

CN12-1073/TU

# 中国给水排水

著名商标®

(ZHONGGUO JISHUI PAISHUI)

CHINA WATER & WASTEWATER



全国中文核心期刊 中国科技论文统计源期刊

第29卷 第15期

2013年8月



江苏康尔臭氧有限公司  
JIANGSU KONER OZONE CO.,LTD.

专注臭氧科技 服务水工业

电话: 0511-88426298 88424298

网址: [www.koner.cn](http://www.koner.cn)

ISSN 1000-4602



15>

住房和城乡建设部主管  
主办 中国市政工程华北设计研究总院  
国家城市给水排水工程技术研究中心

万方数据

15  
2013

### 论述与研究

- 低温下水解反硝化工艺的中试运行研究 ..... 熊 姚,杜理智,鲍立新,等(1)  
常温CSTR半亚硝化启动与稳定运行试验研究 ..... 吴 迪,李 冬,仲 航,等(5)  
管式压力生物膜反应器的同步脱氮除磷效能 ..... 陈 涅,马 啼,周 健,等(10)  
尿液废水腐熟肥化技术研究 ..... 徐康宁,李继云,张 驰,等(14)  
基于微波预处理的源头污泥减量研究 ..... 王亚炜,肖庆聪,阎 鸿,等(19)  
多生境菌群与微型后生动物同步强化污泥原位消减 ..... 韦彦斐,陈 潜,杨硕果,等(24)  
聚合物对离子交换膜脱盐性能的影响及其污染特性 ..... 陈 珊,李永明,于水利(29)  
异养硝化菌生物增强活性炭处理低温水的效能 ..... 秦 雯,李伟光,张多英,等(34)  
短波紫外对铜绿微囊藻的灭活与微囊藻毒素的降解 ..... 欧桦瑟,韦朝海,高乃云,等(39)  
微涡旋絮凝在宁夏某水厂改造中的应用评价 ..... 徐 慧,肖 寒,肖 峰,等(43)

### 技术总结

- 活性污泥反硝化除磷性能的影响因素研究 ..... 白少元,张 华,林雨倩,等(49)  
Biostyr曝气生物滤池处理城市污水的影响因素 ..... 王 琳,窦娜莎(55)  
用于城市污水脱氮的新型生态陶粒混凝土挂膜特征 ..... 石明岩,李晓佳,郑海良,等(59)  
曝气生物滤池作为双泥法硝化单元的中试研究 ..... 张真江,李 继,孙飞云,等(65)  
HRT对中心岛式一体化OCO工艺处理效果的影响 ..... 殷旭东,顾 敏,李德豪(68)  
循环流化床一体化污泥干化焚烧炉热工及排放性能 ..... 吕清刚,侯海盟,朱建国,等(73)  
微生物菌剂的构建及其在污水处理中的应用 ..... 郭静波,陈 微,马 放,等(76)  
曝气生物滤池去除SS以及水头损失增长的特性研究 ..... 李 婷,董文艺,王宏杰,等(81)  
SDS对污泥水解过程中胞外聚合物及性状的影响 ..... 王 怡,曲鹏程,郑淑健,等(85)  
城市污泥等温热风对流干燥过程的能耗分析 ..... 吴中华,吴 龙,李占勇,等(89)  
印染污泥干燥过程中气体污染物的释放研究 ..... 黄瑞敏,杨署军,刘 欣(94)  
填埋场间歇微氧渗滤液回灌技术工程研究 ..... 张晓星(98)  
碳源对厌氧活性污泥产生磷化氢的影响 ..... 张朝升,张可方,孙 亮,等(103)  
防腐剂对复合型生物絮凝剂防腐保质性能的影响 ..... 李立欣,李 昂,马 放,等(107)  
光电催化技术同时降解有机物与回收重金属的研究 ..... 张隽瑀,郭礼宝,赵 旭,等(111)  
曝气深度对城市河道沉积物氮释放及形态的影响 ..... 杜 旭,王国祥,刘 波,等(115)  
两江重庆段沉积物中腐殖酸特性及其对荧蒽的吸附 ..... 许晓毅,胡 丹,李泊娇,等(121)  
高级氧化强化海水生物预处理去除有机物的研究 ..... 郭兴芳,陈 立,陶润先(126)  
BoostPE300能量回收装置在海水淡化工程中的应用 ..... 苏慧超,王生辉,赵河立,等(130)  
ePTFE/PP和PVDF亲水膜的化学稳定性研究 ..... 赵延伟,侯立安,于水利(134)  
区域装表法在铁路给水管网治漏中的应用 ..... 杜高潮(138)  
基于图论与枚举算法的城市污水管网优化设计 ..... 韩东刚,王赫婧,尤学一,等(141)  
上海市原水及地表水中SEs调查及风险评估 ..... 李青松,高乃云,马晓雁,等(146)  
超滤技术在给水处理中的运用及运行特性研究 ..... 林县平,陆少鸣,李 芳,等(150)  
城市供水管网的试验模型研究 ..... 何忠华,袁一星(154)  
滨海城市绿地土壤盐分的暴雨冲刷效应与排水管理 ..... 吕永鹏,肖建军,戴荻茜,等(159)

展会信息:(133)

期刊基本参数:CN 12-1073/TU \* 1985 \* s \* A4 \* 162 \* zh \* P \* ¥15.00 \* 15000 \* 36 \* 2013-08

# CHINA WATER & WASTEWATER

## CONTENTS

Vol.29 No.15 Serial No.347 Aug.2013

### THESES AND RESEARCHES

Pilot-scale Study on Hydrolysis-Denitrification Technology at Low Temperature .....	XIONG Ya, et al.( 1 )
Start-up and Stable Operation of Partial Nitrification in CSTR at Normal Temperature .....	WU Di, et al.( 5 )
Simultaneous Nitrogen and Phosphorus Removal in Tubular Pressurized Biofilm Reactor .....	CHEN Li, et al.(10)
Purification of Source-separated Urine for Producing Liquid Fertilizer .....	XU Kang-ning, et al.(14)
Source Sludge Reduction by Conventional Activated Sludge Process Combined with Microwave Pretreatment .....	WANG Ya-wei, et al.(19)
MEMA and Micro-metazoa for Simultaneous Enhancement of In-situ Sludge Reduction .....	WEI Yan-fei, et al.(24)
Influence of Polymer on Desalination Performance and Fouling Characteristics of Ion Exchange Membrane .....	CHEN Shan, et al.(29)
Efficiency of Heterotrophic Nitrification Bacteria in Biologically Enhanced Activated Carbon Process for Treatment of Low Temperature Water .....	QIN Wen, et al.(34)
Inactivation of <i>Microcystis aeruginosa</i> and Degradation of Microcystin-LR Using Short Wavelength Ultraviolet .....	OU Hua-se, et al.(39)
Estimation of Micro-eddy Flocculation in A Water Treatment Plant .....	XU Hui, et al.(43)

### TECHNOLOGY SUMMARY

Factors Influencing Denitrifying Phosphorus Removal Characteristics of Activated Sludge .....	BAI Shao-yuan, et al.(49)
Affecting Factors of Biostyr Biological Aerated Filter for Municipal Wastewater Treatment .....	WANG Lin, et al.(55)
Characteristics of Biofilm Colonization in New Ecological Ceramsite Concrete Used in Nitrogen Removal from Municipal Wastewater .....	SHI Ming-yan, et al.(59)
Pilot Study on Biological Aerated Filter for Nitrification in Two-sludge Process .....	ZHANG Zhen-jiang, et al.(65)
Influence of HRT on Treatment Efficiency of Integrated OCO Process with Center-island Settling Tank .....	YIN Xu-dong, et al.(68)
Thermal Performance and Pollutant Emissions of Circulating Fluidized Bed Sludge Drying/ Incineration Integrated System .....	LYU Qing-gang, et al.(73)
Development of Microbial Agent and Its Application in Wastewater Treatment .....	GUO Jing-bo, et al.(76)
SS Removal and Head Loss Increase in Biological Aerated Filter .....	LI Ting, et al.(81)
Effect of SDS Addition on Extracellular Polymeric Substances and Characteristics during Sludge Hydrolysis .....	WANG Yi, et al.(85)
Analysis of Energy Consumption in Isothermal Hot Air Convective Drying Process of Sewage Sludge .....	WU Zhong-hua, et al.(89)
Release of Gaseous Pollutants in Printing and Dyeing Sludge Drying Process .....	HUANG Rui-min, et al.(94)
Leachate Treatment Project Using Leachate Recirculation and Intermittent Microaeration .....	ZHANG Xiao-xing(98)
Effect of Carbon Sources on Phosphine Production from Anaerobic Activated Sludge .....	ZHANG Chao-sheng, et al.(103)
Effects of Preservatives on Performance of Preservation and Quality Guarantee of Compound Bioflocculants .....	LI Li-xin, et al.(107)
Treatment of Rhodamine B and Recovery of Cu <sup>2+</sup> Ions by Photoelectrocatalytic Process .....	ZHANG Jun-yu, et al.(111)
Effect of Aeration Depth on Nitrogen Release from Urban River Sediments and Nitrogen Forms in Overlying Water .....	DU Xu, et al.(115)
Characteristics of HA in Surface Sediments of Chongqing Section of Yangtze River and Jialing River and Adsorption of Fluoranthene on HA .....	XU Xiao-yi, et al.(121)
Enhancing Removal of Organics from Seawater by Biological Pretreatment .....	GUO Xing-fang, et al.(126)
Application of BoostPE300 Energy Recovery Device in Seawater Desalination Project .....	SU Hui-chao, et al.(130)
Chemical Stability of ePTFE/PP and PVDF Hydrophilic Membranes .....	ZHAO Yan-wei, et al.(134)
Application of Zone Metering Method in Water Loss Control of Railway Water Supply Network .....	DU Gao-chao(138)
Optimal Design of Sewer Network Based on Graph Theory and Enumeration Algorithm .....	HAN Dong-gang, et al.(141)
Survey and Risk Assessment of Steroid Estrogens in Source Water and Surface Water in Shanghai .....	LI Qing-song, et al.(146)
Application and Operational Performance of Ultrafiltration Technology in Water Treatment .....	LIN Xian-ping, et al.(150)
Research on Experimental Model of Water Distribution System .....	HE Zhong-hua, et al.(154)
First Flush of Soil Salinity and Wastewater Management for Green Space in Inshore Cities .....	LYU Yong-peng, et al.(159)