

# 学术研究篇

## 目次

### 论述与研究

针对高藻源水的农村分散式饮用水处理技术研究 .....	王文林,王志良,万寅婧,等(1)
污水处理厂氧化沟工艺的提标改造研究 .....	张晶宇,王淑莹,侯红勋,等(6)
常温下亚硝化活性污泥的驯化及其特征 .....	周玲君,杨朝晖,罗远玲,等(10)
V型纤维滤池在污水深度处理中的运行特性 .....	王洪波,张克峰,张见魁,等(15)
生物沥滤去除城市污泥中重金属的温度控制研究 .....	黄明,孙兴福,许立巍(18)
生物接触氧化法的同步硝化反硝化影响因素研究 .....	王永才,陈卫,郑晓英,等(22)
改良型一体化交替反应池工艺的生物除磷研究 .....	吴魏刚(26)
间歇膨胀水解工艺处理综合城镇污水的研究 .....	白俊跃,徐灏龙,章一丹,等(30)
二级出水内毒素活性及紫外线消毒对其的影响 .....	黄璜,胡洪营,杨扬,等(33)
臭氧预氧化/MBR工艺的膜污染研究 .....	刘婷,陈忠林,沈吉敏,等(37)

### 技术总结

高速BAF应急处理备用水源水的试验研究 .....	黄冰林,陆少鸣(42)
超滤膜深度处理长江原水的中试研究 .....	修海峰,朱仲元,高乃云,等(45)
高密度澄清池/超滤组合工艺处理微污染地表水 .....	鲁剑,徐国勋,卜静(48)
超滤膜处理沉淀池出水的膜污染影响因素研究 .....	汪燕,魏俊起,付婉霞,等(51)
回用净水厂生产废水强化低温低浊水的混凝效能 .....	徐勇鹏,何利,崔福义,等(55)
基于不确定性度量的给水管网用户的用水模式分析 .....	谢善斌,金波,刘遂庆(59)
基于MLE模型和EPANET的城市供水系统风险评价 .....	牛志广,陈发,徐宗武,等(63)
输水管系弯曲管路的水头损失研究 .....	叶飞,高学平,贾秋影,等(67)
硫酸铝作为混凝剂时絮体破碎与再絮凝的研究 .....	叶健,吴纯德,梁佳莉,等(71)
长江原水超滤前的预处理工艺研究 .....	范青如,张效刚,徐兰珍(75)
利用白腐菌对山梨酸废水进行预处理的效果研究 .....	赵文生,张凤君,赵勇胜,等(77)
Fenton试剂降解内分泌干扰物双酚A的研究 .....	胡玲,高乃云(80)
北方水库水中有机物化学分级及THMFP特征研究 .....	尹军,周璇,林英姿,等(83)
非常规水源作为钢铁企业供水水源的可行性研究 .....	石岩,唐运平,季民,等(87)
温度波动对SBR污泥沉降性的影响及其变化规律 .....	周娜,袁林江(91)
SBR非丝状菌污泥膨胀模型的构建 .....	李超,金敏,王景峰,等(95)
乙酸钠碳源强化生物滤池对二沉池出水的脱氮效果 .....	葛勇涛,焦阳,李军,等(98)
曝气模式对序批式生物膜法脱氮效能的影响 .....	陈秀荣,史永梅,吴敏霖,等(101)
pH值对HBH-II强化粪便污泥厌氧消化减量的影响 .....	宋珍霞,王里奥,徐建平,等(105)

信息:(5) 会讯:(66) 版权声明:(94) 给排水专利:(J1,J2) 工程信息:(J3,J4)

## ACADEMIC RESEARCH EDITION

# CONTENTS

### THESES AND RESEARCHES

Study on Decentralized Drinking Water Treatment Technology for Algae-rich Source Water in Rural Area .....	WANG Wen-lin, <i>et al.</i> ( 1 )
Study on Upgrading and Reconstruction of Oxidation Ditch Process in Sewage Treatment Plant .....	ZHANG Jing-yu, <i>et al.</i> ( 6 )
Domestication and Characteristics of Short-cut Nitrification Activated Sludge at Normal Temperatures .....	ZHOU Ling-jun, <i>et al.</i> ( 10 )
Operation Characteristics of V-fiber Filter in Advanced Wastewater Treatment Process .....	WANG Hong-bo, <i>et al.</i> ( 15 )
Temperature Control in Bioleaching Heavy Metals from Sewage Sludge .....	HUANG Ming, <i>et al.</i> ( 18 )
Influencing Factors of Simultaneous Nitrification and Denitrification in Biological Contact Oxidation Process .....	WANG Yong-cai, <i>et al.</i> ( 22 )
Study on Biological Phosphorus Removal in Improved Integrated Alternative Reactor .....	WU Wei-gang ( 26 )
Treatment of Municipal Composite Wastewater by Intermittent Expansion Hydrolysis Process .....	BAI Jun-yue, <i>et al.</i> ( 30 )
Endotoxin Activity of Secondary Effluent and Influence of UV Disinfection on It .....	HUANG Huang, <i>et al.</i> ( 33 )
Study on Membrane Fouling in Combined Process of Preozonation and MBR .....	LIU Ting, <i>et al.</i> ( 37 )

### TECHNOLOGY SUMMARY

Study on High-speed BAF for Emergency Treatment of Backup Source Water .....	HUANG Bing-lin, <i>et al.</i> ( 42 )
Pilot Study on Advanced Treatment of Yangtze River Raw Water by Ultrafiltration Membrane .....	XIU Hai-feng, <i>et al.</i> ( 45 )
Treatment of Micro-polluted Surface Water by High-density Clarifier/Ultrafiltration Membrane Process .....	LU Jian, <i>et al.</i> ( 48 )
Influencing Factors of Membrane Fouling in Treatment of Effluent from Sedimentation Tank by Ultrafiltration Membrane .....	WANG Yan, <i>et al.</i> ( 51 )
Enhanced Coagulation Efficiency of Low-temperature and Low-turbidity Water by Reusing Production Wastewater from Waterworks .....	XU Yong-peng, <i>et al.</i> ( 55 )
Analysis of Water Consumption Patterns of Users of Water Distribution Network Based on Uncertainty Measurement .....	XIE Shan-bin, <i>et al.</i> ( 59 )
Risk Assessment of Urban Water Supply Systems Based on MLE Model and EPANET Software .....	NIU Zhi-guang, <i>et al.</i> ( 63 )
Research on Head Loss of Curved Water Conveying Pipeline .....	YE Fei, <i>et al.</i> ( 67 )
Breakage and Reflocculation of Floes Formed by Aluminum Sulfate .....	YE Jian, <i>et al.</i> ( 71 )
Study on Pretreatment Technology before Ultrafiltration of Yangtze River Raw Water .....	FAN Qing-ru, <i>et al.</i> ( 75 )
Study on Pretreatment Effect of Sorbic Acid Wastewater with White-rot Fungi .....	ZHAO Wen-sheng, <i>et al.</i> ( 77 )
Degradation of Bisphenol A in Water by Fenton Reagent .....	HU Ling, <i>et al.</i> ( 80 )
Chemical Fractionation of Organic Matters and THMFP Characterization in North Reservoir Water .....	YIN Jun, <i>et al.</i> ( 83 )
Feasibility of Using Non-conventional Water Source as Water Supply Source for Iron and Steel Enterprise .....	SHI Yan, <i>et al.</i> ( 87 )
Effect of Temperature Fluctuation on Settability of Activated Sludge in SBR and Its Variation .....	ZHOU Na, <i>et al.</i> ( 91 )
Establishment of Model for Non-filamentous Sludge Bulking in Sequencing Batch Reactor .....	LI Chao, <i>et al.</i> ( 95 )
Sodium Acetate as Carbon Source for Enhancing Nitrogen Removal from Secondary Effluent with Biological Filter .....	GE Yong-tao, <i>et al.</i> ( 98 )
Influence of Aeration Modes on Nitrogen Removal in Sequencing Batch Biofilm Process .....	CHEN Xiu-rong, <i>et al.</i> ( 101 )
Effect of pH on HBH-II-enhanced Anaerobic Digestion Reduction of Nightsoil Sludge from Septic Tank .....	SONG Zhen-xia, <i>et al.</i> ( 105 )