



ISSN 1673 - 7644
中国科技核心期刊

山东建筑大学学报

Journal of Shandong Jianzhu University



Vol. 27 NO. 1 Sum. 1

2012/1

第 1 期

第27卷 总第113期

2012

中国 济南
Shandong Jianzhu University
an China

万方数据

目 次

研究论文

- 高锰酸钾强化浮滤池工艺处理引黄水库水试验研究 张克峰,李莹,宋武昌,杜红梅(1)
- 不同絮凝反应级数下的浊度去除效果比较 武道吉,崔岩菲,翁立瑞,铁中用(4)
- 同位素分析法测定硝酸盐氮预处理方法研究 吴俊森,王丽丽,贾瑞宝,李培刚(8)
- 人工模拟降雨径流影响因素及其规律研究 王永磊,卜德龙,李振(11)
- 同时测定盐酸马尼地平中 5 种有机溶剂方法研究 马桂霞,曹悦兴,王希信,毋锐敏(16)
- 济南市经济发展与环境空气污染水平关系研究 杜亚鲁,刘泽常,郝长瑞,韩道汶(20)
- 邻苯二甲酸二乙酯对蟾蜍蝌蚪红细胞微核的影响 张维建,石兴玲,张超(25)
- 胞外聚合物生成的影响因素及膜污染的研究 杨义飞,赵飞飞,徐晓鸣,滕希红(28)
- P17 菌株产生磷酸酶的影响因素及其定域研究 钟传青,黄为一(32)
- 生态工业园生态效率评价——以烟台经济技术开发区生态工业园为例 朱丽,孙理密(36)
- 城镇污水处理厂 SBR 工艺中 N_2O 的释放通量研究 王金鹤,张建(43)
- 简易垃圾堆场渗滤液降解过程的试验研究 谢冰,石洪影,张妮,刘慧玲(47)
- 济南市典型地段地下水氨氮污染分析评价 仲衍伟,陈鸿汉,付丽,胡涛(51)
- 仙人掌浸提液对铜绿微囊藻生长的影响 薛维纳,彭岩波,陈阳(55)
- 实验室通风系统风机噪声的综合治理 盖磊,周东(59)
- Dmit 配合物的合成及其 UV-VIS-NIR 光谱 许文(63)

资源与环境

- 景观格局分析在城市森林规划中的应用研究 鲁敏,刘国恒,赵洁,张田(67)
- 污水处理厂污泥焚烧及烟气净化工程分析 刘凤,陈文兵,袁连新,王燃燃(71)
- 两种污泥堆肥通风控制方式对比研究 张华,吕德龙,朱冬梅(75)
- 济南城区不同下垫面雨水径流水质变化规律研究 陈淑芬,刘连江,张茜雯,王鹤立,李艳红(80)
- 济南市灰霾期大气复合污染特征分析 张桂芹,焦红云,齐鸣,张帆,许夏(84)
- 基于循环经济的产业链可持续发展能力评价 刘雷(88)

综述述评

- 铁盐除硝技术研究进展 张志斌,李锦祥,边兴玉,魏垒垒,郭宁彬,王志俊(92)
- 微藻脱硝的研究进展 祁峰,王立宇(96)
- 饮用水氢自养微生物脱氮技术研究进展 张彦浩,边兴玉,董芳,王楠,周宸宇(101)
- 水和废水纳米 TiO_2 光催化消毒国外研究进展 王洪波,崔娅琴,李莹莹,于小迪(105)

工程实践

- 新型复合高效水处理器的开发与应用研究 任会学,任爱梅,刘畅,李璐璐,刘英娟,宋维霞(111)
- 微絮凝纤维束过滤工艺技术研究——以光大水务(济南)有限公司为例 陈冬辰,王静(114)
- 自动喷水灭火系统设计流量压力计算比较分析 刘静,黄凤梅,李智勇(119)
- 超高层建筑室内消火栓系统设计方案探讨 王立平,孔进(122)

教学研究

- 给水排水工程专业实验教学改革探析 李梅,王珊珊(126)
- 工程特色应用型人才培养模式——以山东建筑大学为例 谭凤训,罗从伟,王琳,许兵(130)

期刊基本参数:CN37-1449/TU*1986*b*A4*132*zh*P*¥8.00*1300*32*2012-02

执行主编:鲁敏

本期责任编辑:蔚莹

英文编辑:宋秀葵

制图:赵洪岩

CONTENTS

Research papers

- Study on potassium enhanced DAFF combination's treatment effect on Yellow River reservoir water ZHANG Ke-feng, LI Ying, SONG Wu-chang, *et al.* (1)
- Comparison of turbidity removal results in different flocculation reaction stages WU Dao-ji, CUI Yan-fei, WENG Li-rui, *et al.* (4)
- Study on pretreatment for measurement nitrate nitrogen in isotopic analysis method WU Jun-sen, WANG Li-li, JIA Rui-bao, *et al.* (8)
- Research on impact factors and regularity of rainfall runoff under artificial rainfall WANG Yong-lei, BU De-long, LI Zhen (11)
- Simultaneous determination of five kinds of organic solvents in the manidipine hydrochloride MA Gui-xia, CAO Yue-xing, WANG Xi-xin, *et al.* (16)
- Study on the relationship between economic development and ambient air pollution levels of Jinan DU Ya-lu, LIU Ze-chang, HAO Chang-rui, *et al.* (20)
- Effects of diethyl phthalate on tadpole erythrocyte micronucleus ZHANG Wei-jian, SHI Xing-ling, ZHANG Chao (25)
- Study on the factors of the formation of extracellular polymeric substances and membrane fouling YANG Yi-fei, ZHAO Fei-fei, XU Xiao-ming, *et al.* (28)
- Studies on the factors and domain influencing the activities of the phosphatase produced by P17 strain ZHONG Chuan-qing, HUANG Wei-yi (32)
- Eco-efficiency evaluation of eco-industrial parks: A case study of eco-industrial park of Yantai Economic and Technological Development Zone ZHU Li, SUN Li-mi (36)
- Nitrous oxide emissions from SBR wastewater treatment systems WANG Jin-he, ZHANG Jian (43)
- Experimental study on degradation behavior of leachate of dump sites XIE Bing, SHI Hong-ying, ZHANG Ni, *et al.* (47)
- Analysis and assessment of ammonia nitrogen compound in groundwater of Jinan typical areas ZHONG Yan-wei, CHEN Hong-han, FU Li, *et al.* (51)
- Inhibitory effect of extract from *Opuntia stricta* on the growth of *Microcystis aeruginosa* XUE Wei-na, PENG Yan-bo, CHEN Yang (55)
- Noise control in air blower of laboratory ventilation system GAI Lei, ZHOU Dong (59)
- The synthesis and UV-VIS-NIR spectrophotometry of Dmt complexes XU Wen (63)

Resources and environment

- Application of landscape pattern analysis to urban forest planning LU min, LIU Guo-heng, ZHAO Jie, *et al.* (67)
- Analysis of sludge incineration & flue gas purification in a wastewater treatment plant LIU Feng, CHEN Wen-bing, YUAN Lian-xin, *et al.* (71)
- Comparative study on two ventilation control modes of sludge composting ZHANG Hua, LV De-long, ZHU Dong-mei (75)
- Research on changing rules of storm runoff water quality in different underlying surface Jinan urban area CHEN Shu-fen, LIU Lian-jiang, ZHANG Qian-wen, *et al.* (80)
- Characteristic analysis of complex air pollution during haze period in Jinan City ZHANG Gui-qin, JIAO Hong-yun, QI Ming, *et al.* (84)
- Evaluation of the sustainability of the industrial chain based on circular economy LIU Lei (88)

Reviews

- Research progress of arsenic removal technology by ferric salt ZHANG Zhi-bin, LI Jin-xiang, BIAN Xing-yu, *et al.* (92)
- Research progress of denitrification with microalgae QI Feng, WANG Li-yu (96)
- Research progress of autotrophic bacteria denitrification of drinking water ZHANG Yan-hao, BIAN Xing-yu, DONG Fang, *et al.* (101)
- Foreign research progress of TiO₂ photocatalytic disinfection for water and wastewater WANG Hong-bo, CUI Ya-qin, LI Ying-ying, *et al.* (105)

Engineering practices

- Research on application and development of new composite efficient water processor REN Hui-xue, REN Ai-mei, LIU Chang, *et al.* (111)
- Research on the process technology of micro flocculation fiber filter: a case study on Everbright Water(Jinan) Company Limited CHEN Dong-chen, WANG Jing (114)
- Comparative analysis of design flow and pressure calculation of sprinkler systems LIU Jing, HUANG Feng-mei, LI Zhi-yong (119)
- Discussion of indoor fire hydrant system design in high-rising buildings WANG Li-ping, KONG Jin (122)

Teaching research

- Analysis of experimental teaching reform of water supply and drainage engineering LI Mei, WANG Shan-shan (126)
- Research on cultivating patterns of application-oriented talents of engineering: a case study of Shandong Jianzhu University TAN Feng-xun, LUO Cong-wei, WANG Lin, *et al.* (130)