



全国中文核心期刊  
中国科技核心期刊

# 环境工程学报

Chinese Journal of Environmental Engineering



第8卷 第6期

Vol.8 No.6

中国科学院  
生态环境研究中心 主办  
科学出版社 出版

6  
2014

## 目 次

## 水 污 染 防 治

TiO <sub>2</sub> /PTh/Fe <sub>3</sub> O <sub>4</sub> 催化剂制备及光催化与磁回收性能	任学昌 任晓亮 马学琴 肖举强 王刚 常青(2153)
高藻水中新生态三价铁混凝行为及其对絮体生长的影响	
生物阴极式碳纸隔膜微生物燃料电池的反硝化和产电性能	马敏 刘锐平 刘会娟 曲久辉 顾军农 胡欣柱 孔祥虎(2159)
污泥淤砂分离器再分离溢流污泥	谢倍珍 刘博杰 杨少强 刘红(2163)
天津市典型河网区沉积物中重金属分布及生态风险评价	吉芳英 范剑平 晏鹏 颜达超(2169)
改性啤酒酵母及柑橘皮凝胶小球对铜的吸附性能	唐文忠 王立硕 张文强 单保庆(2174)
城市污水二级出水中溶解性有机物特性分析	柳思勉 马迎春 刘云国 王志瑞 胡新将 曾光明(2181)
不同碳源条件下聚磷菌代谢特性	王旭东 刘佩 王磊 刘红露 梁勇 张银辉(2186)
利用白云石石灰去除与回收污泥厌氧消化液中氮和磷	邱春生 聂海伦 孙力平 王少坡(2191)
强酸性高浓度含砷废水处理方法与经济性评价	林郁 宋永会 刘菲 刘雪瑜 葛杰 孟晓光(2198)
溴化十六烷基吡啶改性沸石对水中甲基橙的吸附	杨中超 朱利军 刘锐平 曲久辉(2205)
浸渍-碱性微波法载磁活性炭粉对壬基酚的吸附	方巧 林建伟 詹艳慧 杨孟娟 郑雯婧(2211)
硝化细菌对碘普罗胺的降解及作用机制	王赛璐 程方罡 毛菲菲 吕建波(2218)
火力发电厂飞灰对抗生素磺胺的吸附性能	吴凡 高品 薛罡 刘亚男(2225)
培养方式对废水脱氮与沼气脱硫污泥驯化影响	段伦超 王凤贺 纪营雪 张帆 赵斌 王国祥(2231)
回流式无膜生物阴极微生物燃料电池脱氮	魏本平 邓良伟 陈子爱 卢秀红 李洋 杨红男 刘刚金(2237)
SMBR 内气液两相流三维 CFD 模拟	陶中兰 邢世录 王龙 赵庆良 姜珺秋(2245)
混凝土-砂滤-活性炭过滤-微滤-反渗透集成技术处理钒冶炼废水	李春丽 邱广明 田瑞(2251)
石墨气体扩散电极的制备与性能优化	罗钟兵 杨春平 曾光明 何慧军 骆其超 罗圣熙(2257)
紫外光(UV)光解油田采出水中多环芳烃	贾涛涛 薛娟琴 毕强 汪丛(2262)
黄孢原毛平革菌处理果胶废水	黎想 杨春平 郭俊元 李贞燕 陈冰 平静(2267)
荔枝皮对重金属 Ni <sup>2+</sup> 的吸附性能	代传花 陈兵兵 何慧军(2271)
新型二氧化铅电极处理染料废水	杨继利 潘新革 孔郑磊 李晓晨(2277)
不同水温下鲴鱼对铜绿微囊藻的控制作用及对水质的影响	张驰 汪家权(2283)
微波辅助 Cu(II)-Fenton 体系催化氧化处理对硝基苯酚废水	周创 张毅敏 高月香 杨阳 杨飞 张永栋(2293)
不同氮素浓度与空间条件下青萍生长特征	苗肖君 王楠楠 赵姗姗 潘维倩 王鹏(2299)
再生水回用循环冷却系统药剂 HJ-01 阻垢机理	黄磊 张绍博 鲁言言 杜刚 高旭(2306)
微波强化 Fenton/活性炭工艺处理制药废水的影响因素	马媛 田一梅 王佳 郭浩(2311)
阳澄湖和滆湖微囊藻毒素分布及其与富营养化因子的关系	李亚峰 高颖 王景新(2317)
人工湿地植物对重金属铅的抗性	魏代春 苏婧 陈学民 纪丹凤 王骥 霍守亮 吴超(2322)
颜料红 254-TiO <sub>2</sub> 光催化降解罗丹明 B 废水	林芳芳 丛鑫 黄锦楼 陈琴(2329)
用于催化降解烷基苯磺酸钠的 Cu-C 催化剂的制备及性能分析	薛懂 张召娟 李长海 商希礼 李跃金(2335)
酸性矿井水中和沉淀法除铁优化	周争 赵丽 葛小鹏 赵曙光 姜志琛 王东升(2347)
沸石负载 Fe <sub>3</sub> O <sub>4</sub> 光催化氧化去除水中苯酚	谭万春 喻辰雪 胡帅飞 王云波 孙士权 聂小保 禹丽娥(2353)
曝气对潜流人工湿地污染物沿程降解规律的影响	白少元 丁彦礼 游少鸿 许健 裴彬明(2359)
汉沙黄/TiO <sub>2</sub> 光催化剂的制备及其光催化活性	杜平 商希礼 李长海(2365)
基于景区湖泊污染的多功能水域清理船设计	谢家兴 邱冠武 陈武瑞 蔡政 朱嘉琪 张伟煌 刘洪山(2371)
垃圾渗滤液生物处理出水的深度处理组合工艺	高星 李平 吴锦华(2376)
超声波协同 H <sub>2</sub> O <sub>2</sub> 处理养殖场污水	杨铁金 相玉秀 相玉琳(2381)
陶瓷电镀废水的三级处理工艺	王庆雨 张永利 韦朝海 尹立新 李慧莉(2386)
改性荞麦壳对水溶液中 Cu <sup>2+</sup> 离子吸附效果及机理	曹丹凤 孟令银 王妍瑛 李云春 吴明君 饶含兵(2393)
高温条件下 EGSB 处理酒精废水的流态及基质产沼气转化	高爱舫 王卫平 蒋柱武 谢丽(2402)
Fenton 氧化活性深蓝染料 B-2GLN 的动力学	高立波 张强 李俊漾 薛晨阳 闫军 李爱国 焦珍(2407)
Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /TiO <sub>2</sub> 核壳结构纳米颗粒降解 TNT 溶液	杜海峰 赵丽君 郭延凯 张晨晓 刘晓宇 廉静 郭建博(2417)
醋酸纤维素包埋非水溶性介体催化强化生物反硝化特性	

固体缓释碳源处理低碳氮比污水的脱氮及机理	裴廷权	王波	刘欢(2423)
Fenton 氧化对制浆造纸废水分子量及可生化性变化的影响	宋云	王海见	李培中 郝润琴(2429)
天然矿物组合材料渗透反应墙修复地下水镉污染	曾婧滢	秦迪岚	毕军平 罗岳平 朱润良 廖希谷 张建新 吕焕哲(2435)
蚯蚓生态滤池中蚯蚓与植物对污水净化的作用评估	李因梁	杨沫	聂耳 史沫 杨晓英(2443)
高铁酸钾预处理垃圾渗滤液	张洋	罗志勇	屈勇军 林永胜 黄代桥 郑泽根(2451)
四级三相式生物流化床分段进水工艺脱氮效能			王冰 韩松(2456)
天然土壤对水溶液中 $Pb^{2+}$ 的吸附	王雪	王景峰	张斌 薛斌 董德荣 智维佳 龚泰石(2461)
倒置 $A^2/O$ -MBR(平板膜)处理城市污水的中试研究			
农村生活污水处理稳定曝气系统			徐威 李镭 刘畅(2473)
二氧化氯-接触催化氧化联合去除水中铁和锰			崔恒 郑西来 陈蕾 李金成(2478)
煅烧的水滑石同时去除水体中砷和氟	郭亚祺	杨洋	伍新花 彭亮 曾清如 刘婉清(2485)

## 大气污染防治

微波协同霍加拉特剂催化氧化苯的影响因素	吕丽	庞杰	宋华	高晓强	徐东耀(2492)
氧活性粒子氧化 NO 生成 $HNO_3$			白敏莉	孙佳石	李超群(2497)
基于 Fluent 多喷嘴喷雾干涉数值模拟分析			陈曦	葛少成	张忠温 荆德吉(2503)
柴油机微粒捕集器复合再生性能及其场协同分析	左青松	龚金科	王曙辉	陈韬	贾国海 黄张伟 李煜(2509)
A/O 工艺 $N_2O$ 的产生与释放的影响因素			郭慧雯	张哲男	孙世昌 孙德智(2515)
济南市大气水平能见度与环境污染相关性分析			侯鲁健		刘玉堂 吕波 刘一飞(2523)
介质阻挡放电协同 $Ag/Al_2O_3$ 对 $NO_x$ 脱除的影响	朱翔宇	孙保民	王东	张婷婷	汪涛 肖海平 韩高岩(2529)

## 固体废物处置

餐厨垃圾与剩余污泥混合消化产沼气协同效应			王永会	赵明星	阮文权(2536)
温度对淀粉酶强化污泥为燃料微生物燃料电池的影响	刘志华	刘春华	夏畅斌	赵文玉	蒋朝晖 晏永祥 王琼 李小明 杨麒(2543)
渗滤液耦合矿化垃圾制备甲烷氧化菌液					梅娟 赵由才(2548)
从含锑烟尘中制备纳米立方晶型 $Sb_2O_3$			唐淑贞	张荣良	童孟良 余媛媛(2553)
高炉瓦斯泥对 Cu(II) 的吸附	苏敏	王光辉	曾丹林	石晓明 刘胜兰(2557)	
基于系统动力学模型的工业固废管理政策作用仿真			范厚明	李佳书	丁钦 张丽君(2563)
挥发性脂肪酸对厌氧干式发酵产甲烷的影响			李红丽	曹霏霏	王岩(2572)

## 土壤污染防治

典型氯碱污染场地环境风险评价	陈志良	雷国建	周建民	彭晓春(2579)
抗铬菌株的筛选鉴定及其生物学特性和吸附特性	胡永娟	李学梅	王海磊	邵云 张紧紧 韩宗梁 马守田(2585)
鼠李糖脂洗脱氯丹和灭蚊灵污染场地土壤的工艺参数	洪俊	徐君君	李锦	黄焕阳 占新华(2592)

## 环境生物技术

假单胞菌好氧降解四溴双酚 A 的特性			范真真	王竞	刘沙沙 周集体(2597)
好氧反硝化苯酚降解菌的分离鉴定及动力学			葛启隆	岳秀萍	王国英 曹岳(2605)
纺锤芽孢杆菌( <i>Bacillus fusiformis</i> )降解萘的特性及动力学			余兵	金晓英	况烨 陈祖亮(2611)
不同基质条件下厌氧氨氧化反应器中硝化细菌的分离及选育异养 AOB 菌株的特性	汪晓晨	于德爽	李津	赵丹	李伟刚 郭丕健(2617)

## 环境监测与评价

双室微生物燃料电池型 BOD 传感器性能	田帅	张盼月	梁英梅	张多	王保合(2626)
加油站气液比检测方法及其影响	黄玉虎	秦建平	任碧琪	刘明宇	肖宇(2633)

## 相关研究

氧化-吸附法处理含铁废盐酸及其资源化	吴俊锋	赵昕	凌虹	杨磊	秦攀	吕路	潘丙才	张炜铭(2639)
--------------------	-----	----	----	----	----	----	-----	-----------

# CONTENTS

<b>Preparation of TiO<sub>2</sub>/PTh/Fe<sub>3</sub>O<sub>4</sub> and its photocatalytic activity and magnetic recovery performance</b>	..... Ren Xuechang Ren Xiaoliang Ma Xueqin Xiao Juiqiang Wang Gang Chang Qing(2153)
<b>Coagulation behavior of Fe (III) formed <i>in situ</i> and its effect on the floc growth in high algae-laden water</b>	..... Ma Min Liu Ruiping Liu Huijuan Qu Juhui Gu Junnong Hu Xinzhong Kong Xianghu(2159)
<b>Denitrification and electrogenesis performances of bio-cathode microbial fuel cell with carbon paper separator</b>	..... Xie Beizhen Liu Bojie Yang Shaoqiang Liu Hong(2163)
<b>ResepARATION of overflow sludge by grit-sludge separator</b>	..... Ji Fangying Fan Jianping Yan Peng Yan Dachao(2169)
<b>Heavy metal distribution and ecological risk assessment in sediments of river network region, Tianjin City</b>	..... Tang Wenzhong Wang Lishuo Zhang Wenqiang Shan Baoqing(2174)
<b>Adsorption performance of Cu (II) onto gel beads of modified <i>Saccharomyces cerevisiae</i> and orange peel</b>	..... Liu Simian Ma Yingchun Liu Yunguo Wang Zhirui Hu Xinjiang Zeng Guangming(2181)
<b>Analysis characteristics of dissolved organic matters in the secondary effluent of municipal wastewater</b>	..... Wang Xudong Liu Pei Wang Lei Liu Honglu Liang Yong Zhang Yinhuai(2186)
<b>Metabolic properties of phosphorus-accumulating organisms at different carbon sources</b>	..... Qiu Chunsheng Nie Hailun Sun Liping Wang Shaopo(2191)
<b>Nitrogen and phosphorus removal and recovery from anaerobic digestion supernatant of sewage sludge using dolomitic lime</b>	..... Lin Yu Song Yonghui Liu Fei Liu Xueyu Ge Jie Meng Xiaoguang(2198)
<b>Economic evaluation on technologies for treatment of strongly-acidic wastewater with high arsenic concentrations</b>	..... Yang Zhonghao Zhu Lijun Liu Ruiping Qu Juhui(2205)
<b>Adsorption of methyl orange from aqueous solution on cetylpyridinium bromide (CPB)-modified zeolite</b>	..... Fang Qiao Lin Jianwei Zhan Yanhui Yang Mengjian Zheng Wenjing(2211)
<b>Adsorption of nonylphenol on magnetic powder activated carbon prepared by impregnation-alkaline microwave method</b>	..... Wang Sailu Cheng Fang Wang Duo Lu Jianbo(2218)
<b>Biodegradation mechanism of iopromide by nitrobacteria</b>	..... Wu Fan Gao Pin Xue Gang Mao Feifei Liu Yanan(2225)
<b>Adsorption-removal of sulfonamide by fly ash from thermal power plant</b>	..... Duan Lunchao Wang Fenghe Ji Yingxue Zhang Fan Zhao Bin Wang Guoxiang(2231)
<b>Effect of cultivating mode on acclimation of sludge of nitrogen removal from wastewater and hydrogen sulfide from biogas</b>	..... Wei Benping Deng Liangwei Chen Zhai Lu Xuuhong Li Yang Yang Hongnan Liu Gangjin(2237)
<b>Nitrogen removal effect by return flow membrane-less biological cathode microbial fuel cells</b>	..... Wang Long Zhao Qinliang Jiang Junqiu(2245)
<b>Three-dimensional CFD simulation of gas-liquid two phase flow in SMBR</b>	..... Tao Zhonglan Xing Shilu Li Chunli Qiu Guangming Tian Rui(2251)
<b>Treatment of vanadium smelting wastewater by means of coagulation-sand filtration-activated carbon filter-microfiltration-RO integration technology</b>	..... Luo Zhongbing Yang Chunping Zeng Guangming He Huijun Luo Qichao Luo Shengxi(2257)
<b>Preparation and performance optimization of graphite gas diffusion electrode</b>	..... Jia Taotao Xue Juanqin Bi Qiang Wang Cong(2262)
<b>Ultraviolet(UV) photolysis of polycyclic aromatic hydrocarbons in produced water</b>	..... Li Zhenyan Chen Bing Ping Jing(2267)
<b>Treatment of pectin wastewater using <i>Phanerochaete chrysosporium</i></b>	..... Li Xiang Yang Chunping Guo Junyuan Dai Chuanhua Chen Bingbing He Huijun(2271)
<b>Adsorption properties of heavy metal Ni by litchi pericarp</b>	..... Yang Jili Pan Xinge Kong Zhenglei Li Xiaochen(2277)
<b>Treatment of dye wastewater by a new lead dioxide electrode</b>	..... Zhang Chi Wang Jiaquan(2283)
<b>Microcystis aeruginosa control effect and water quality impacts of <i>Xenocyprina</i> under different temperatures</b>	..... Zhou Chuang Zhang Yimin Gao Yuexiang Yang Yang Yang Fei Zhang Yongdong(2293)
<b>Treatment of PNP wastewater by microwave assisted Cu (II)-Fenton catalytic oxidation process</b>	..... Miao Xiaojun Wang Nannan Zhao Shanshan Pan Weiqian Wang Peng(2299)
<b>Growth characteristics of <i>Lemna minor</i> L. under different nitrogen concentrations and space conditions</b>	..... Huang Lei Zhang Shaobo Lu Yanyan Du Gang Gao Xu(2306)
<b>Scale inhibition mechanism of inhibitor HJ-01 in reclaimed water reused into circulating cooling system</b>	..... Ma Yuan Tian Yimei Wang Jia Guo Hao(2311)
<b>Influencing factors of microwave enhanced Fenton/active carbon process for pharmaceutical wastewater</b>	..... Li Yafeng Gao Ying Wang Jingxin(2317)
<b>Distribution of microcystins and its relationship with eutrophication factors in Yangcheng Lake and Gehu Lake</b>	..... Wei Daichun Su Jing Chen Xuemin Ji Danfeng Wang Ji Huo Shouliang Wu Chao(2322)
<b>Resistance of artificial wetland plants to lead</b>	..... Lin Fangfang Cong Xin Huang Jinlou Chen Qin(2329)
<b>Photocatalytic degradation of Rhodamine B wastewater by Pigment Red 254-TiO<sub>2</sub> catalyst</b>	..... Zhang Zhaojuan Lianghai Shang Xili Li Yuejin(2335)
<b>Preparation and analysis of Cu-C catalyst used for catalytic degradation of linear alkylbenzene sulfonates</b>	..... Xue Dong Li Changbo Zhang Honglin Liu Dengchao Jiang Husheng(2342)
<b>Optimizing iron removal of acidic mine draining water in neutralization and precipitation process</b>	..... Zhou Zheng Zhao Li Ge Xiaopeng Zhao Shuguang Jiang Zhichen Wang Dongsheng(2347)
<b>Removal of phenol in wastewater using Fe<sub>3</sub>O<sub>4</sub>-loaded zeolite with photo-catalytic oxidation</b>	..... Tan Wanchun Yu Chenxue Hu Shuaifei Wang Yunbo Sun Shiquan Nie Xiaobao Yu Lie(2353)
<b>Effect of aeration on pollutant degradation through substrate of subsurface flow constructed wetlands</b>	..... Bai Shaoyuan Ding Yanli You Shaohong Xu Jian Pei Binming(2359)
<b>Preparation and photocatalytic activity of TiO<sub>2</sub> sensitized with Hansa Yellow 10G</b>	..... Du Ping Shang Xili Lianghai(2365)
<b>Design of multifunctional water-cleaning ship based on scenic lake pollution</b>	..... Xie Jiaxing Qiu Guanwu Chen Wurui Cai Zheng Zhu Jiaqi Zhang Weihuang Liu Hongshan(2371)

Combination process for advanced treatment of biotreatment effluent of landfill leachate .....	Gao Xing Li Ping Wu Jinhua(2376)
Synergistic treatment of culture sewage by ultrasonic and H <sub>2</sub> O <sub>2</sub> .....	Yang Tiejin Xiang Yuxiu Xiang Yulin(2381)
Tertiary treatment process of ceramic electroplating wastewater .....	Wang Qingyu Zhang Yongli Wei Chaohai Yin Lixin Li Huili(2386)
Adsorption of Cu <sup>2+</sup> from aqueous solution by modified buckwheat shell and study on its mechanism .....	Cao Danfeng Meng Lingyin Wang Yanying Li Yunchun Wu Mingjun Rao Hanbing(2393)
Flow pattern test and substrate conversion of EGSB treating ethanol wastewater under thermophilic condition .....	Jiang Zhuwu Xie Li(2402)
Kinetics of Reactive Dark Blue B-2GLN with Fenton oxidation process .....	Gao Aifang Wang Weiping Li Aiguo Jiao Zhen(2407)
Degradation of TNT waste solution by Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /TiO <sub>2</sub> magnetic core-shell nanoparticles .....	Gao Libo Zhang Qiang Li Junyang Xue Chenyang Yan Jun Xu Hongyan(2413)
Accelerating characteristic of non-dissolved redox mediators immobilized by cellulose acetate(CA) on denitrification .....	Du Haifeng Zhao Lijun Guo Yankai Zhang Chenxiao Liu Xiaoyu Lian Jing Guo Jianbo(2417)
Nitrogen removal and mechanism of low C/N wastewater processed by solid sustain-released carbon .....	Pei Tingquan Wang Bo Liu Huan(2423)
Effect of Fenton oxidation on biodegradability and molecular weight changes of wastewater .....	Song Yun Wang Haijian Li Peizhong Hao Runqin(2429)
Remediation of cadmium contaminated ground-water using natural mineral combination materials based permeable reactive barrier .....	Zeng Jingying Qin Dilan Bi Junping Luo Yueping Zhu Runliang Liao Xigu Zhang Jianxin Lü Huanzhe(2435)
Evaluation of effects of earthworms and plants in pollutant removal in earthworm ecofilter .....	Li Yinliang Yang Mo Nie Er Shi Mo Yang Xiaoying(2443)
Pretreatment of landfill leachate by potassium ferrate(VI) .....	Zhang Yang Luo Zhiyong Qu Yongjun Lin Yongsheng Huang Daqiao Zheng Zegen(2451)
Nitrogen removal efficiency of three-phase biological fluidized bed with four step-feed process .....	Wang Bing Han Song(2456)
Adsorption of Pb in aqueous solution by natural soils .....	Wang Xue Wang Jingfeng Zhang Bin Xue Bin Dong Derong Zhi Weijia Gong Taishi(2461)
Combined reversed A <sup>2</sup> /O-MBR(flat-sheet membrane) process treating municipal wastewater .....	Zou Gaolong(2467)
Stable aeration system for treating rural sewage .....	Xu Wei Li Lei Liu Chang(2473)
Removal of Fe and Mn from water by chlorine dioxide oxidation-contact catalytic oxidation combined method .....	Cui Heng Zheng Xilai Chen Lei Li Jincheng(2478)
Removal of arsenate and fluoride in water by calcined layered double hydroxides .....	Guo Yaqi Yang Yang Wu Xinhua Peng Liang Zeng Qingru Liu Wanqing(2485)
Influencing factors of benzene catalytic oxidation by hopcalite catalyst cooperated with microwave irradiation .....	Lü Li Pang Jie Song Hua Gao Xiaoqiang Xu Dongyao(2492)
Oxidation NO by reactive oxygen species to HNO <sub>3</sub> .....	Bai Mindi Sun Jiashi Li Chaoqun(2497)
Numerical simulation and analysis of multi-nozzle interference base on Fluent .....	Chen Xi Ge Shaocheng Zhang Zhongwen Jing Deji(2503)
Composite regeneration performance of diesel particulate filter and analysis of field synergy .....	Zuo Qingsong Gong Jinke Wang Shuhui Chen Tao Jia Guohai Huang Zhangwei Li Yu(2509)
Influencing factors of nitrous oxide production and emission in A/O process .....	Guo Huiwen Zhang Zhenan Sun Shichang Sun Dezhi(2515)
Correlation analysis between atmospheric visibility and pollutants in Jinan city .....	Hou Lujian Liu Yutang Lü Bo Liu Yifei(2523)
Influence of synergy of dielectric barrier discharge assisted over Ag/Al <sub>2</sub> O <sub>3</sub> on NO <sub>x</sub> removal .....	Zhu Xiangyu Sun Baomin Wang Dong Zhang Tingting Wang Tao Xiao Haiping Han Gaoyan(2529)
Synergistic effect of anaerobic co-digestion of food waste and excess sludge .....	Wang Yonghui Zhao Mingxing Ruan Wenquan(2536)
Effect of temperature on microbial fuel cell using surplus sludge enhanced by amylase .....	Liu Zhihua Liu Chunhua Xia Changbin Zhao Wenyu Jiang Zhaohui Yan Yongxiang Wang Qiong Li Xiaoming Yang Qi(2543)
Mixed-cultivation of methanotrophs by using leachate coupled with aged refuse .....	Mei Juan Zhao Youcui(2548)
Preparation of nanometer cubic crystal antimony trioxide from dust containing antimony .....	Tang Shuzhen Zhang Rongliang Tong Mengliang She Yuanyuan(2553)
Adsorption of Cu(II) by blast furnace sludge .....	Su Min Wang Guanghui Zeng Danlin Shi Xiaoming Liu Shenglan(2557)
Simulation of the management policy role of industrial solid waste based on system dynamics model .....	Fan Houming Li Jiaoshu Ding Qin Zhang Lijun(2563)
Effect of volatile fatty acids on methane production of dry anaerobic digestion .....	Li Hongli Cao Feifei Wang Yan(2572)
Environmental risk assessment in a typical chlor-alkali contaminated site .....	Chen Zhiliang Lei Guojian Zhou Jianmin Peng Xiaochun(2579)
Screening of chromium resistance strains and their biological and absorption characteristics .....	Hu Yongjuan Li Xuemei Wang Hailei Shao Yun Zhang Jinjin Han Zongliang Ma Shoutian(2585)
Optimum parameters of rhamnolipid-washing for soils contaminated by chlordane and mirex .....	Hong Jun Xu Junjun Li Jin Huang Huanyang Zhan Xinhua(2592)
Aerobic degradation characteristics of tetrabromobisphenol A by <i>Pseudomonas</i> .....	Fan Zhenzhen Wang Jing Liu Shasha Zhou Jiti(2597)
Isolation and identification of aerobic denitrifying phenol-degrading strain and its kinetic .....	Ge Qilong Yue Xiuping Wang Guoying Cao Yue(2605)
Characteristics and kinetics of naphthalene biodegradation by <i>Bacillus fusiformis</i> (BFN) .....	Yu Bing Jin Xiaoying Kuang Ye Chen Zuliang(2611)
Separation of nitrifying bacterium from anammox reactors with different substrates and characteristics of heterotrophic AOB .....	Wang Xiaochen Yu Deshuang Li Jin Zhao Dan Li Weigang Guo Pijian(2617)
Performances of double-chamber microbial fuel cell-based BOD sensor .....	Tian Shuai Zhang Panyue Liang Yingmei Zhang Duo Wang Baohe(2626)
Test method of air to liquid volume ratio and its influence in service station .....	Huang Yuhu Qin Jianping Ren Biqi Liu Mingyu Xiao Yu(2633)
Treatment and reutilization of waste hydrochloric acid containing Fe(II) by an oxidation-adsorption process .....	Wu Junfeng Zhao Xin Ling Hong Yang Lei Qin Pan Lü Lu Pan Bingcui Zhang Weiming(2639)