

目 次

综合评述

宏基因组学在环境工程领域的应用及研究进展 邓 眇 冯 凯 魏子艳 刘文宗 梁玉婷 金德才(3373)
赤泥脱碱及功能新材料研究进展 张以河 王新珂 吕凤柱 周风山 佟望舒 胡应模 张安振 陆荣荣(3383)

水 污 染 防 治

新型淹没式组合膜的氨氮富集性能 张 岩 陈 敬 王修平 孙凤侠 甘志明 史 扬 谢杭冀(3391)
4 株优势菌联合挂膜对松醇油废水的治理 杜青平 卢仁鉢 郑志成 郑莉娇 刘建新 孙水裕 刘敬勇(3396)
城市污水管网对水质的生化改善特性 汤 琦 刘 攀 涂 胜 李传强 王斌(3401)
硝酸改性稻秆处理含 Pb^{2+} 模拟废水 邵享文 金鹏康 文永林 陈南雨(3409)
银氮共掺杂二氧化钛的制备及其抗菌性能 李亚峰 艾翠玲 刘济嘉 陈登极(3415)
原位生产芬顿试剂处理石油采出水 刘璞真 任宏洋 张嘉悦 苏雷(3421)
非均相催化臭氧化降解水中苯酚动力学 王 兵 刘珂 陈永涛(3427)
模拟生态种植槽去除雨水径流中的磷 卢少勇 刘学欣 李 珂 高硕晗 张建丽 杨光亚(3434)
Fenton 试剂快速氧化处理事故场地地下水中的硝基苯 张 丹 张旭 李永涛(3427)
三波长分光光度法测定磷霉素制药废水中 α -苯乙胺含量 丁 丽 曾 萍 张 丹 张月(3445)
典型城市道路雨水径流污染解析和利用标准探讨 宋会情 王倩 张琼华 王晓昌 丛飞(3451)
3,4,5-三甲氧基苯甲醛生产废水的厌氧可生化性及 UASB 处理 刘予宇 倪嘉苓 戚伟康 李伟成 李玉友 高迎新(3457)
无锡市农村黑臭河流沉积物营养盐垂向分布与污染特征分析 范西亮 吴 江 马 杰 曹 励(3462)
丝瓜络填料反硝化滤池对生活污水的净化 田云飞 王国祥 韩睿明 李时银 曹继彪(3471)
煤渣-沸石复合球对氨氮的吸附及热再生性能 俞慧博 郑 力 程 鼎 祝栋林 黄德英(3471)
C/N 对单级脱氮系统 N_2O 排放量及其途径的影响 田伟君 顾红鹰 黄汝英 王勇梅(3477)
强化人工快速渗滤系统处理生活污水 蒋甫阳 冀 峰 王智丽 郭劲松 马 杰 李震涛(3483)
水性聚氨酯(WPU)包埋活性污泥的亚硝化反应 宋志晓 张焕祯 王智丽 郭平玉 曹 勇(3491)
微波辅助改性腈纶纤维对水中 Cu^{2+} 的吸附性能 邓海亮 李 军 陈光辉 岳耀冬(3496)
ACF 电吸附去除饮用水中的硝酸盐 王 喜 张广山 邓 圣 程国玲 王 鹏(3503)
Cu/Fe 和 Ni/Fe 双金属处理模拟地下水中的铬 梁乾伟 胡承志 李永峰 郑程浩 刘方园(3510)
分散固相萃取法萃取再生水中 DBP 与 DEHP 郭金辉 孟凡生 王业耀 杨琦(3515)
核壳结铁纳米线对水中 Cd^{2+} 的吸附性能及机理 张 娅 邓红梅 郝瑞霞 徐鹏程(3522)
北方典型干旱缺水型河流氮磷时空分布特征与富营养化评价 张紫君 邓红梅 许楠 陈永亨 徐忠强(3529)
活性焦吸附处理对硝基苯甲酸废水 金 鑫 单保庆 李思敏 张文强 毕见霖 李洁(3538)
水滑石纳米晶负载铁磺基席夫碱光催化降解有毒有机污染物 张欣欣 曹婷婷 黄应平 陆朝阳 李瑞萍 赵泉林(3545)
强制对流换热器表面 $CaCO_3$ 附着垢方解石及文石晶体质量分数变化分析 张 欣 刘智安 赵巨东 夏 添 安慧凤 马文博 孔德豪 牛慧杰(3559)
电极改性对电极生物膜反硝化反应器硝酸盐氮去除性能的影响 张 欣 刘智安 赵巨东 夏 添 安慧凤 董媛媛 周集体(3565)
改性陶粒对水中卡马西平去除的动态吸附实验及模型 龚 浩 郭劲松 方芳 林佳琪(3573)
高盐分、高浓度和高氨氮农药生产废水处理 李 航 陈鹏鹏 魏卡佳 韩卫清 王连军 孙秀云 李健生(3580)
16S rDNA 克隆文库分析含硫污水生物反应器中生物群落 王慧超 袁林江 王 亚 张跃洋 梁存珍(3585)
实验室有机废水的铁碳微电解预处理 杨欣洁 谭建宇 余 健 徐会宁 王静怡(3591)
磁性复合有机海泡石吸附双酚 A 特性及动力学 王 健 刘 李 钢 伟 黄荣新(3597)
生产废水回用对常规净水工艺去除有机农药的影响 廖仁华 刘 汉 金 伟 段晋明(3603)
石墨烯/二氧化硅负载纳米零价铁对 As(Ⅲ) 的去除 刘佩佩 刘 汉 一 波 方 伟(3607)
铁酸盐-还原石墨烯复合材料的制备及其对亚甲基蓝的吸附 王 羿 袁 宁 丁建宁(3616)
泡沫分离法去除废水中的 Cr(Ⅲ) 离子 陈志刚 乔 丹 许小红 吴智仁(3623)
基质类型改变对絮体物化特征的短期影响 李志华 樊 龙 姚 佩 余 科(3629)
有机物性质对混凝-微滤-纳滤去除水中重金属的影响 钱飞跃 史梦婷 王建芳 刘小明 王翻翻(3634)
强化陶粒-BAF 处理微污染水源水中的碘普罗胺 许茂东 宋 慧 徐冰洁 高 品(3641)
$Cu^{2+}-TiO_2$ /偕胺肟纤维的制备及其光催化降解性能 汪星志 汪晓军 薛佳蓓 陶庭先(3647)
含锰氧化物的陶粒催化臭氧氧化苯甲酸废水 孙仁超 田凯勋 杨广超 徐金玲(3653)
倒置 AAO-MBR 处理黑水 赵 静 王蓓春 唐贤春 陈洪斌(3657)
脉冲电强化微电解对铅锌浮选废水中锌和丁基黄药的去除 李 吴 占 强 徐晓军 李天国 彭瑞昊(3664)
MVR 法处理含盐废水中试研究 王 泽 甲 刘 军 瞿 瑞 付 婷(3671)
改性天然生物质材料的吸油性能 孙仁超 田凯勋 杨广超 武玉亮(3677)
超声波-空气体系对溶液中五氯酚的降解 赵 立 张 明 翠 雷 杨 超(3682)
多级潮汐流人工湿地对污泥厌氧消化液中氨氮及有机物的去除特征 岳秀林 张 占 小 雷 杨 永 哲(3687)

环境工程学报

(HUANJING GONGCHENG XUEBAO)

第 10 卷 第 7 期

2016 年 7 月

硅胶表面分子印迹聚合物对 DEHP 的选择性吸附	李绍丽	陈芳艳	杨占	唐玉斌(3694)
马尾松针对磺胺二甲基嘧啶的吸附特性	范荣桂	戴艺	董雪	陈瑶(3701)
活性污泥对 Pb(Ⅱ) 的吸附机理	张国威	黄建	崔浩	刘东方(3707)
过硫酸盐活化耦合微生物燃料电池的降解结晶紫性能	金春姬	孙若晨	杨远乐	杨世迎(3715)

大气污染防治

双室电除尘器流量分配数值计算	闫东杰	王亚	黄学敏	杨全(3722)
非沥青基煤质氧化活性炭的脱硝特性	付亚利	张永发	李国强	田芳(3727)
以改性 TiO ₂ -SnO ₂ 为载体的 SCR 脱硝催化剂性能	喻明娥	李彩亭	王琰	高磊(3733)
液相络合脱硝中吸收去除 NO 的反应机理	孙宇杰	刘盛余	吕维阳	能子礼超(3739)
邯郸市 PM _{2.5} 及其化学组分的季节性变化	马思萌	王丽涛	魏哲	张宏雷(3743)
富氧燃烧条件下燃煤 NO _x 排放的实验研究	王勇	孟琛琛	杨晶	柳朝晖(3751)
负载型催化剂联合低温等离子体去除甲苯	赵坤	党小庆	朱海瀛	秦彩虹(3756)
填料对生物滴滤塔去除 H ₂ S 的影响	陈益清	陈雷	伍健威	孙昕(3763)
等离子体炉尾气处理系统的研制	隆永胜	刘初平	尹娟	杨庆涛(3768)
新型无胶粉滤芯对车内空气的净化效果	吴行伟	胡真	袁竭	姚艳萍(3773)

固体废物处理与处置

污泥在 CO ₂ 气氛下热解 CO 与 CH ₄ 的生成特性	蔡旭	黄群星	王飞	池涌	严建华(3779)
超声耦合高铁酸钾对印染污泥脱水性能的影响	冯银芳	宁寻安	巫俊辉	张坚濠	刘敬勇
干化污泥制备节能烧结墙体材料	塞守卫	何桂海	马保国	沈玲芝	杨佐毅
蚯蚓活动对培养床基质中 TN、TP 含量及分布的影响	佟钰	田鑫	肖慧	张阳	孙孟琪
废弃混凝土的水热固化与力学强度	蚯蚓粪生物炭对 Cu(Ⅱ) 的吸附性能	张君男	郭海艳	张馨文	朱静平
菇渣的厌氧发酵特性	麻明可	李雪琴	李文哲	张徐伟	冯艳芳
转底炉粉尘酸浸净化液电沉积锌	诸荣孙	柏小彤	罗立娜	王章鸿	王晴(3805)
pH 对生物表面活性剂脂肽强化剩余污泥厌氧水解化的影响	廖筱锋	朱双艳	吴争	伊廷锋	沈飞(3811)
渗透液添加量对餐饮垃圾厌氧消化的影响机制	乔娜	姚冬梅	吴至成	夏征宇(3825)	
金属离子对松子壳水热碳化固体产物的影响	高正阳	吕少昆	孙迎超	吴琳(3830)	
碳基表面吸附铅的机理	吉硕	孟欣欣	杨朋飞	廖利(3835)	
UV-Fenton、Fenton 和 O ₃ 氧化法处理垃圾渗滤液反渗透膜浓缩液的对比研究	杨振宁	胡辉	汤茜(3841)		

土壤污染防治

氧化镁基固化剂对铅离子的吸附作用及其影响因素	赖胜强	林亲铁	项江欣	钟松雄	姚晓声	陈志良(3859)
外源钙对镉胁迫下苎麻生长及生理代谢的影响	龚小敏	刘云国	黄丹莲	汤慧(3866)		
表面活性剂增效电动技术修复多环芳烃污染土壤	计敏惠	邹华	杜玮	高珂	刘畅(3871)	
铜污染场地土壤的原位电动强化修复	刘慧	仓龙	郝秀珍	王宇霞	周东美(3877)	

环境生物技术

产甲烷厌氧污泥降解含氮杂环化合物动力学与微生物种群的分析	李媛	岳秀萍	韩钰洁	王孝维	董晓璇(3884)
铜绿假单胞菌 NY3 及突变株代谢油污泥同步产胞外聚合物的特性	王小豆	聂麦苗	冯凯强	万博	蒋欣
硫酸盐还原菌 SRB 除砷的影响因素	余飞	聂红云	赵雅光	程盼	吕天顺
含硫无机物对克雷伯氏菌 NIH2 产絮凝剂特性的影响	赵璇	聂麦苗	白雪蕊	郭育涛	张百忍(3891)

漆酶/介质系统催化偶氮染料直接橙 S 脱色	赵世光	杨帆	孔芳	李不凡	薛正莲	王陶(3912)
一株具有藻毒素降解和溶藻功能细菌的分离鉴定	陆鑫	刘波	谭云飞	黄现恩	史全良(3919)	
低温条件下城市污水厂污泥膨胀的生物学成因	刘爱民	闪雅婷	卢存龙	王小玲	王德朋	丁新春(3925)
链霉菌 WH63 的抑藻效应	孙浩	许燕滨	陈锦棠	蔡晓佳	张园园	曹圆圆(3931)
一种污泥基陶粒的表面改性及其在含 Cr(Ⅵ) 废水生物净化中的应用	雷静	屈毛毛	王奎	温成烨	昌青青	王陇梅(3905)

沼液中土著菌对斜生栅藻去除污染物效果的影响	高武龙	陈锦良	冯国栋	梁运祥	林志宏	杜青平(3937)
富营养化水体清淤后的微生物脱氮技术应用	年夫喜	雷静	雷静	胡作鹏	郭雪白	杜志敏(3943)

生态修复工程

低影响开发(LID)雨水径流控制效果模拟	王玉兵	雷静	胡作鹏	刘志强	彭森	安志鹏(3956)
台风对太湖微囊藻群体大小的影响	雷静	年夫喜	雷静	杨桂军	秦伯强	王晓平

环境监测技术

基于正交实验的水质 COD 在线测试最优消解条件	李宫	郭慧	赵辉	赵建龙	季伟伟	杨慧中(3967)
基于 Android 的便携式水质检测仪器的研制	郭慧	赵辉	赵建龙	贾春平	金庆辉(3973)	

CONTENTS

Recent studies and applications of metagenomics in environmental engineering	DENG Ye FENG Kai WEI Ziyan LIU Wenzong LIANG Yuting JIN Decai(3373)
Study progress of alkali removal from red mud and novel functional materials	ZHANG Yihe WANG Xinkie LYU Fengzhu ZHOU Fengshan TONG Wangshu HU Yingmo ZHANG Anzhen LU Rongrong(3383)
Ammonia nitrogen enrichment with new submerged composite membrane	ZHANG Yan CHEN Jing WANG Xiuping SUN Fengxia GAN Zhiming SHI Yang XIE Hangji(3391)
Treatment of pine oil wastewater with joint biofilm of four predominant strains	DU Qingping LU Renbo ZHENG Zhiheng ZHENG Lijiao LIU Jianxin SUN Shuiyu LIU Jingyong(3396)
Improvement in biodegradability of wastewater quality in urban sewer system	JIN Pengkang WANG Bin(3401)
Treatment of Pb(II) ion in simulated wastewater by rice straw modified by nitric acid	TANG Qi LIU Pan TU Sheng LI Chuanqiang WEN Yonglin CHEN Nanyu(3409)
Preparation and antibacterial active of Ag-N-codoped TiO₂ photocatalyst	SHAO Xiangwen WANG Binqiang AI Cuiling CHEN Dengji(3415)
Treatment of oil-produced water with in-situ produced Fenton	LI Yafeng LIU Jijia SU Lei(3421)
Degradation kinetics of catalytic ozone oxidation of phenol in water	WANG Bing LIU Puzhen REN Hongyang ZHANG Yue LI Yongtao(3427)
Phosphorus removal by ecological planting tank treating rainwater runoff	LU Shaoyong LIU Xuexin LI Ke GAO Shuohan JIA Jianli YANG Guangya(3434)
Rapid oxidation of nitrobenzene in groundwater of environmental accident sites by Fenton	ZHANG Dan ZHANG Xu LI Guanghe(3439)
Determination of α-phenethylamine in fosfomycin pharmaceutical wastewater by three wavelength spectrophotometry	DING Li ZENG Ping SONG Yonghui ZHANG Panyue XIE Xiaolin(3445)
Discussion on road runoff pollution and its utilization standard in typical cities	ZHANG Qionghua WANG Qian WANG Xiaochang CONG Fei(3451)
Anaerobic biodegradability of 3,4,5-trimethoxybenzaldehyde manufacturing wastewater and anaerobic treatment using UASB reactor	MIAO Xiliang WU Jiang LIU Yuyu NI Jialing QI Weikang LI Weicheng LI Yuyou GAO Yingxin(3457)
Vertical distribution and pollution characteristics of nutrient in sediment of rural malodorous black river in Wuxi City, China	JI Feng WANG Guoxiang HAN Ruiming LI Shiyin MA Jie CAO Xun(3462)
Sewage purification by loofah denitrification filler	LUAN Xiaonan TIAN Yunfei ZHENG Li CHEN Ding ZHU Donglin HUANG Deying ZHANG Jibiao(3471)
Adsorption performance for ammonia nitrogen and thermal regeneration of a coal cinder-zeolite honeycombed sorbent	YU Huibo TIAN Weijun GU Hongying HUANG Ruying WANG Yongmei WANG Kai(3477)
Effect of C/N ratio on amount and origins of N₂O emission in one-stage nitrogen removal systems	JIANG Fuyang LI Kai FANG Fang YANG Jixiang GUO Jinsong CHEN Youpeng LI Zhentao(3483)
Treating sewage by strengthened constructed rapid infiltration system	SONG Zhihao ZHANG Huazhen WANG Zhili PING Yuhuan LIU Guangying ZHAO Qian(3491)
Nitritation with immobilized active sludge by waterborne polyurethane (WPU)	DENG Hailiang LI Jun CHEN Guanghui ZENG Jinping YUE Yaodong(3496)
Adsorption performance for Cu²⁺ ion in water by modified polyacrylonitrile fiber prepared with microwave irradiation	WANG Xi ZHANG Guangshan DENG Sheng ZHENG Tong WANG Peng(3503)
Removal of nitrate from drinking water by ACF electrosorption	LIANG Qianwei HU Chengzhi LI Yongfeng CHENG Guoling LIU Fangyuan(3510)
Simulation of chromium removal from ground water by Cu/Fe and Ni/Fe bimetal method	GUO Jinhui MENG Fansheng WANG Yeyao XUE Hao YANG Qi(3515)
Extraction of DBP and DEHP in reclaimed water by dispersive-solid phase extraction	ZHANG Ya HAO Ruixia XU Pengcheng XU Zhongqiang(3522)
Adsorption performance and mechanisms of Cd²⁺ ions from aqueous solution using Fe@Fe₂O₃ nanowires	ZHANG Zijun DENG Hongmei XU Nan CHEN Yongheng WU Gaoyuan(3529)
Temporal and spatial variation of nitrogen and phosphorus and eutrophication assessment in typical arid river in northern China	JIN Xin SHAN Baqing LI Simin ZHANG Wenqiang BI Jianlin LI Jie(3538)
Treatment of p-nitrobenzoic acid wastewater by activated coke adsorption	WANG Chen YE Zhengfang ZHAO Quanlin(3545)
Degradation of toxic organic pollutants by iron (III) Schiff-base/LDH complex under visible irradiation	ZHANG Xinxin CAO Tingting HUANG Yingping LU Zhaoyang LI Ruiping JIA Manke(3551)
Analysis on mass fraction change of calcite and aragonite crystals in CaCO₃ adherent scale on surface of forced-convection heat exchanger	ZHANG Xin LIU Zhan ZHAO Judong XIA Tian AN Hufeng MA Wenbo KONG Dehai NIU Huijie(3559)
Effects of electrode modification on nitrate removal of hydrogenotrophic denitrification in biofilm electrode reactor	DONG Yuanyuan QIAO Sen ZHOU Jiti(3565)
Experiments and model for dynamic adsorption of carbamazepine onto modified ceramisite in drinking water	GONG Hao GUO Jinsong FANG Fang LIN Jiaqi(3573)
Treatment method for high salinity, high concentration and high ammonia-nitrogen wastewater from pesticide production	LI Duo CHEN Pengpeng WEI Kajia HAN Weiqing WANG Lianjun SUN Xiuyun LI Jiansheng SHEN Jinyou(3580)
Analysis of biological communities in bioreactor of treating sulfide-containing wastewater by 16S rDNA cloning method	ZHANG Yueyang LIANG Cunzhen(3585)
Pretreatment of laboratory organic wastewater by iron-carbon micro-electrolysis	WANG Huichao YUAN Linjiang YU Ya XU Huining WANG Jingyi(3591)
Adsorption features and kinetics of bisphenol A onto magnetic composite organic sepiolite	YANG Xinjie CHEN Jianyu YU Jian LIU Gang HUANG Rongxin(3597)
Influence of wastewater recycle on organic pesticides removal in traditional drinking water treatment processes	LIAO Renhua LI Wei DUAN Jinning(3603)
As(III) removal by nanoscale zero valent iron-graphene/silica nanocomposites	LIU Peipei LUO Hanjin FANG Wei(3607)
Preparation of magnetic reduced graphene oxide-ferrite hybrids and its adsorption of methylene blue	WANG Ji JIA Baoping YUAN Ningyi DING Jianning(3616)
Foam separation method for removing Cr(III) ion from wastewater	CHEN Zhigang QIAO Dan XU Xiaohong ZHANG Bo WU Zhiren(3623)
Short-term effect of substrate change on physicochemical characteristics of flocs	LI Zhihua FAN Long YAO Pei LIU Huan YU Ke(3629)
Influence of organic matter property on heavy metal removal by combined coagulation-microfiltration and nanofiltration processes	QIAN Feiyu SHI Mengting WANG Jianfang LIU Xiaopeng WANG Fanfan(3634)
Treatment of iopromide in micro-polluted receiving water by strengthened ceramic-biological aeration filter	XU Bingjie XUE Gang GAO Pin(3641)
Preparation and photocatalytic degradation properties of Cu²⁺-TiO₂/AOCF	XU Maodong SONG Hui XU Jiabin TAO Tingxian(3647)
Catalytic oxidation of benzoic acid wastewater by manganese oxide containing pottery grains	WANG Xingzhi WANG Xiaoju WANG Beibei XU Jinling(3653)
Black water treatment with process of reversed AAO-MBR	ZHANG Jing TANG Xianchun CHEN Hongbin(3657)
Micro-electrolysis enhanced by pulse electrolysis to treat zinc and butyl xanthate in Pb-Zn floatation wastewater	LI Hao ZHAN Qiang XU Xiaoju LI Tianguo YUE Xiulin PENG Ruihao(3664)

Pilot study on mechanical vapor recompression technology for treatment of saline wastewater	..... QU Rui ZHANG Zhanmei FU Ting(3671)
Oil absorption of modified natural biomass material	..... WANG Zejia LIU Junkai ZHANG Xiaobo WU Yuliang(3677)
Degradation of pentachlorophenol in aqueous solutions by ultrasonic-air system	..... SUN Renchao TIAN Kaixun YANG Guangchao MING Guixiang YANG Chao(3682)
Characteristic of ammoniacal nitrogen and organic matter removal from supernatant of anaerobic digested sludge using a multi-stage tidal-flow constructed wetland	..... ZHAO Li WU Lei YANG Yongzhe(3687)
Selective adsorption of DEHP by molecularly imprinted polymer on surface of silica gel	..... LI Shaoli CHEN Fangyan YANG Zhan TANG Yubin(3694)
Adsorption characteristics of pine needles of <i>Pinus massoniana Lamb</i> for sulfadimidine	..... FAN Ronggui DAI Yi DONG Xue CHEN Yao(3701)
Sorption mechanisms of Pb(II) on activated sludge	..... ZHANG Guowei HUANG Jian CUI Hao LIU Dongfang(3707)
Degradation of crystal violet using activated persulfate and microbial fuel cell hybrid process	..... JIN Chunji SUN Ruochen YANG Yuanle YANG Shiyi(3715)
Numerical simulation of flow rate distribution of double-chamber electrostatic precipitator	..... YAN Dongjie YU Ya HUANG Xuemin YANG Quan(3722)
Denitrification characteristics of non-pitch coal-based oxidized activated carbon	..... FU Yali ZHANG Yongfa LI Guoqiang TIAN Fang(3727)
Catalytic performance of the SCR catalyst supported on modified TiO ₂ -SnO ₂ carrier	..... YU Ming'e LI Caiping WANG Yan ZHOU Lingling GAO Lei(3733)
Reaction mechanism of NO absorption in aqueous [Co(en) ₃] ²⁺ solution	..... SUN Yujie LIU Shengyu LYU Weiyang NENGZI Lichao(3739)
Seasonal variation of PM _{2.5} and its chemical compositions in Handan, China	..... MA Simeng WANG Litao WEI Zhe ZHANG Fenfen MEMG Chenchen YANG Jing SHI Chenghua ZHANG Honglei(3743)
Experimental study of NO _x emissions from coal combustion under oxy-fuel conditions	..... WANG Yong HUANG Xiaohong LU Xing LIU Zhaohui(3751)
Removal of toluene using of non-thermal plasma combined with supported catalysts	..... ZHAO Kun DANG Xiaoqing ZHU Haiying QIN Caihong TENG Jingjing(3756)
Influence of filler on biotrickling filters for hydrogen sulfide degradation	..... CHEN Yiqing CHEN Lei WU Jianwei YIN Juan SUN Xin(3763)
Research on exhaust gas treatment system of plasma furnace	..... LONG Yongsheng LIU Chuping HU Zhen YUAN Jie YANG Qingtao(3768)
Purifying performance of new no-glue air filter for in-car air	..... WU Hangwei YAO Yanping GAO Yanxin(3773)
CO and CH ₄ emission characteristics during sewage sludge pyrolysis in CO ₂ atmosphere	..... CAI Xu HUANG Qunxing WANG Fei CHI Yong YAN Jianhua(3779)
Effects of potassium ferrate conjunction with ultrasound on textile dyeing sludge dewaterability	..... FENG Yinfang NING Xunan WU Junji ZHANG Jianhao SHEN Lingzhi LIU Jingyong YANG Zuoyi ZHANG Yaping(3787)
Preparation of energy saving sintered wall materials with dried sewage sludge	..... JIAN Shouwei HE Guihai MA Baoguo XIAO Hui ZHANG Yang SUN Mengqi ZHI Zhenzhen(3793)
Effects of earthworm activities on matrix content and distribution of TN and TP in culture bed	..... ZHANG Xinwen ZHU Jingping YANG Haiying(3800)
Hydrothermal solidification of discarded concrete and its mechanical strength	..... TONG Yu TIAN Xin ZHANG Junnan ZHANG Xuwei FENG Yanfang WANG Qing(3805)
Performances of Cu(II) adsorption by biochar derived from earthworm manure	..... GUO Haiyan LI Xueqin WANG Zhanghong SHEN Fei(3811)
Characteristics of anaerobic digestion of mushroom residue	..... MA Mingke LI Wenzhe LUO Lina LIU Shuang(3819)
Zinc electrodeposition of rotary hearth furnace dust acid leaching purification solution	..... ZHU Rongsun BO Xiaotong WU Zheng YI Tingfeng XIA Zhengyu(3825)
Effect of pH on hydrolysis and acidification of waste activated sludge anaerobic fermentation enhanced by biosurfactant surfactin	..... WU Zhicheng WU Lin(3830)
Effect of amount of leachate added on food waste anaerobic digestion	..... LIAO Xiaofeng ZHU Shuangyan ZHU Jingping HU Hui LIAO Li(3835)
Effects of metal ions on solid products of pinenut shell by hydrothermal carbonization	..... QIAO Na YAO Dongmei WANG Dong SUN Yingchao TANG Qian(3841)
Lead adsorption mechanism on carbonaceous surface	..... GAO Zhengyang LYU Shaokun JI Shuo MENG Xinxi YANG Pengfei ZHAO Hang(3848)
Comparison study of oxidative treatment of concentrated landfill leachate by UV-Fenton, Fenton and O ₃	..... YANG Zhenning WEI Wei(3853)
Adsorption of Pb ²⁺ on a magnesia-based curing agent and its influencing factors	..... LAI Shengqiang LIN Qintie XIANG Jiangxin ZHONG Songxiong YAO Xiaosheng CHEN Zhiliang(3859)
Effects of exogenous calcium on plant growth and physiological metabolism of <i>Boehmeria nivea</i> (L.) Gaudich under cadmium stress	..... GONG Xiaomin LIU Yunguo HUANG Danlian TANG Hui(3866)
Surfactant enhanced electrokinetic remediation of polycyclic aromatic hydrocarbons contaminated soil	..... JI Minhui ZOU Hua DU Wei GAO Ke LIU Chang(3871)
Field-scale electrokinetic remediation of heavy metal contaminated sites	..... LIU Hui CANG Long HAO Xiuzhen WANG Yuxia ZHOU Dongmei(3877)
Degradation kinetics of refractory heterocyclic compound by menthanogenic anaerobic sludge and analysis of microbial population	..... LI Yuan YUE Xiuping HAN Yujie WANG Xiaowei DONG Xiaoxuan(3884)
Characterizations of degradation of oil sludge and synchronous production of extracellular polymers by <i>Pseudomonas aeruginosa</i> NY3 and its mutants	..... WANG Xiaodou NIE Maiqian NIE Hongyun FENG Kaiqiang WAN Bo JIANG Xin LYU Tianshun ZHANG Bairen(3891)
Factors influencing arsenic removal by sulfate-reducing bacteria	..... YU Fei WAN Junfeng ZHAO Yaguang CHENG Pan CAI Lifang WANG Yan(3898)
Effects of sulfur-containing inorganic compounds on production of bioflocculant by <i>Klebsiella sp. NIIZ</i>	..... ZHAO Xuan NIE Maiqian NIE Hongyun BAI Xuerui GUO Yutao WANG Dan WANG Longmei(3905)
Decolorization of azo-type dye Direct Orange S catalyzed by laccase/mediator system	..... ZHAO Shiguang YANG Fan KONG Fang LI Bufan XUE Zhenglian WANG Tao(3912)
Isolation and identification of a microcystins biodegrading and algae-lysing bacterial strain	..... HUANG Xianen GU Qing SHI Quanliang(3919)
Biological causes of sludge bulking in municipal wastewater treatment plant under low-temperature condition	..... LU Xin LIU Bo TAN Yunfei WANG Xiaoling WANG Depeng DING Xinchun(3925)
Inhibitory effect of <i>Streptomyces WH63</i> on <i>Microcystis aeruginosa</i>	..... LIU Aimin SHAN Yating LU Cunlong ZHANG Yuanyuan CHANG Qingqing CAO Yuanyuan(3931)
Surface modification of a sludge-based ceramsite and its application in biotreatment of wastewater containing Cr(VI)	..... SUN Hao XU Yanbin CHEN Jintang QU Maomao CHEN Jinliang GAO Wulong WANG Kui CAI Xiaoja WEN Chengye LIN Zhihong DU Qingping(3937)
Effect of digestate-borne bacteria on nutrients removal efficiency by <i>Scenedesmus obliquus</i>	..... GUO Xuebai DU Zhimin(3943)
Application of microbial removal of nitrogen in dredged eutrophic water	..... LEI Jing NIAN Fuxi FENG Guodong LIANG Yunxiang CHEN Zhengjun GE Xiangyang(3949)
Simulation of storm water runoff control effect by low impact development(LID)	..... HU Zuopeng LIU Zhiqiang PENG Sen AN Zhipeng(3956)
Effect of typhoon on the size of <i>Microcystis</i> colonies in Lake Taihu	..... WANG Yubing YANG Guijun QIN Boqiang WANG Xiaoping WU Tingfeng(3961)
Optimum digestion conditions for on-line monitoring of COD in water based on orthogonal experimental method	..... JI Weiwei YANG Huizhong(3967)
Development of Android platform based portable water quality detector	..... LI Gong GUO Hui ZHAO Hui ZHAO Jianlong JIA Chunping JIN Qinghui(3973)