

目 次

综 合 评 述

国家重大环保工程项目管理的研究进展	王金南	逯元堂	程 亮	宋玲玲	赵云皓 (6801)
剩余污泥厌氧共消化技术研究现状及应用趋势			郝晓地	唐 兴	曹达启 (6809)
表面活性剂在剩余污泥处理中的作用机制研究进展	黄翔峰	穆天帅	申昌明	彭开铭	陆丽君 刘 佳 (6819)

水 污 染 防 治

压力延迟渗透过程水通量的模型与验证				官 徽	王凯军 (6827)
FeCl ₃ 混凝处理对再生水急性毒性及遗传毒性的影响			程丽华	刘晓静	董瑞欣 毕学军 (6833)
3 种工艺处理南方某水库水的超滤膜污染	赵 蓓	曹新垵	李玉仙	王 敏	柴 文 (6838)
活性污泥中细微沙浓度的预测模型	吉芳英	王 颖	范剑平	颜达超	李冬平 孙国胜 (6843)
改性蔗渣焚烧灰去除糖蜜酒精废液中硫酸根			彭 娟	廖 雷	魏建文 覃爱苗 刘 超 (6848)
放射通道碟管式反渗透 (RCDTRO) 系统处理垃圾渗滤液	周 理	杨 麒	李志军	刘 阳	钟 宇 李小明 (6855)
西北地区地表水处理传统工艺高锰酸钾安全强化预氯化中试研究			赵 阳	黄廷林	文 刚 张瑞峰 (6861)
紫外-氯顺序灭活地下水源水中真菌的效能			赵建超	黄廷林	文 刚 任 崑 朱 红 (6867)
环形流化床光催化氧化反应器流场数值模拟			费聿超	闫 岩	付晓铮 宋博宇 李海涛 张忠国 (6873)
微波-Fenton 高级氧化工艺降解水中 BPA				李 硕	张广山 王 鹏 (6879)
过硫酸钠/钴离子/超声波协同降解酸性橙 7		万子谦	张 静	张古承	丁 超 陈云宇 (6887)
地下水中二价锰对成熟石英砂滤层去除氨氮的影响	邵跃宗	黄廷林	史昕欣	程 亚	布 浩 郭 敏 (6893)
鼠李糖脂对底泥三氯生脱附的影响因素			吴文进	胡勇有	陈源波 郭 倩 (6898)
COD _N 对潜流人工湿地脱氮效能及 N ₂ O 排放的影响					
5 种湿地沉水植物对模拟污水厂尾水的深度处理	刘 庚	李胜男	黄 磊	张绍博	李 鑫 陈玉成 高 旭 (6907)
不同再生水补水比例下景观水体的水质变化			林运通	崔理华	范远红 高 静 马 帅 (6914)
FeCl ₃ 改性柚子皮对水中 Cr ⁶⁺ 的吸附			王 琼	付宏渊	何忠明 蒋朝晖 王 平 (6928)
微波辅助改性壳聚糖的制备及其絮凝性能	初庆娣	朱小梅	王巧敏	严志宇	刘 慧 孙 冰 (6935)
改性凹凸棒土负载纳米铁的制备及性能			关文贤	王志红	聂锦旭 熊 柳 (6940)
基于 ASM2D 模型对奥贝尔氧化沟工艺的模拟研究			马 昭	刘玉玲	巩书涵 白 戈 宣武赞 (6947)
透水路面结构对雨水持蓄及污染控制的影响				凌 莉	赵新华 卢玉迪 (6956)
生物脱氮好氧阶段不同反应过程 N ₂ O 产量				巩有奎	苗志加 彭永臻 (6963)
高锰酸钾氧化水中二甲基三硫醚的动力学			袁辉洲	章彩霞	柯水洲 陈 忠 高静思 (6969)
废旧布袋活性炭深度处理印染废水尾水	林朝萍	宁寻安	巫俊祺	满小媛	孙 健 张亚平 张耿峻 (6977)
Fe ⁰ /GAC-Fenton 异相耦合深度处理焦化废水			郑 俊	贺倩倩	张德伟 方志强 鲍荟荟 张海涛 (6983)
基于动态气封壁反应器的湿式氧化工艺	殷逢俊	陈 忠	王光伟	陈鸿珍	陈则良 徐贵华 徐愿坚 (6988)
松果活性炭对有机染料的吸附			叶宏萌	李国平	饶瑞晔 袁旭音 张建华 吴维祥 (6995)
联合生物反应器处理农村生活垃圾渗滤液中 Fe 的变化规律				李 红	郑 敏 刘庆梅 咎 丽 刘 丹 (7001)
改性烟草秸秆对水中刚果红的吸附和解吸				万 学	赖 星 周道晏 伍 钧 (7007)
软水树脂再生废液提高印染污泥脱水性能的研究			张洛红	钟佳宇	冯 丹 杜 婷 吴金娟 (7012)
蒸发浓缩预处理黄姜皂素水解废液				赵建军	孙长顺 王丽香 黎 新 (7017)
腐殖质络合体系中水溶性铁的絮凝法去除			唐吉丹	汪诗翔	周 巍 刘美玲 刘 咏 (7023)
活性炭的制备及其对苯酚的吸附				杨晓霞	郭延红 郑小峰 付 峰 (7030)
电催化氧化处理石化碱渣废液			秦 微	谢陈鑫	王 震 钱光磊 李肖琳 赵 慧 (7035)
Cu _x Fe _{1-x} @ γ -Al ₂ O ₃ 催化剂湿式氧化陶瓷印花废水的性能及表征				周衍波	朱巨建 代淑娟 张永利 (7039)
改性松针对水中壬基酚的吸附				范荣桂	姜清风 张世强 李 美 陈 瑶 (7046)
臭氧耦合 ASBR/SBR 控氮磷污泥减量化水处理工艺				俞 珊	何 赞 王海燕 周岳溪 (7051)
Fe ³⁺ 对人工快速渗滤系统脱氮效能的影响			陈 佼	张建强	许文来 李 佳 杨 旭 (7057)
臭氧/活性炭/真空紫外光联用处理甲基胍废水的影响因素			秦章程	贾 瑛	张永勇 季玉晓 宋静涛 (7063)
镧改性凹凸棒土的制备及其对水中磷酸盐的吸附				苗琛琛	毛林强 陶德晶 安 浩 崔 皓 (7069)
微波活性炭法处理酸性红 88 废水及其机理					彭 丽 (7075)
Ag@AgCl/BiVO ₄ 复合光催化剂的制备及光催化性能					张丽红 刘小琳 (7081)
钛 (IV) 和铝 (III) 改性沸石去除水溶液中过量氟离子	刘 杰	王林裴	李宛怡	刘云国	洪 松 (7086)
西安市某污水处理厂 A/O 工艺除磷效果分析				陈 嵘	刘 茵 李俊英 (7093)
盐析-冰冻法预处理高浓度酚醛树脂废水			秦 微	谢陈鑫	王 震 钱光磊 李肖琳 赵 慧 (7099)
纳米级天然黄铁矿去除水中 Cr ⁶⁺ , Cd ²⁺ 和 Pb ²⁺				崔晋艳	钱天伟 丁庆伟 丁 峰 (7103)
改性木屑对铜离子的吸附性能				蔡 静	丁文明 王艳敏 (7109)

Phytosystem 生态池处理西北某中小型车站生活污水	KIRUMBA George	葛玲	张波	王刚	何义亮(7114)
水源水库沉积物磷的赋存形态及其与间隙水磷的关系			刘飞	黄廷林	史建超(7119)

大气污染防治

基于 ASMM 模型对不同袋长袋式除尘器气固两相流的模拟	丁倩倩	李珊红	李彩亭	王垭曼	郭威(7126)
反应条件对等离子体脱除吸附于 Cu-Ce/AC 表面 NO _x 的影响					
一次回风空调系统 PM _{2.5} 污染控制策略	唐晓龙	马玓	易红宏	王建根	李东
活性炭负载 I-TiO ₂ 对气体中甲苯的吸附	秦亚菲	陈杰	刘瑶	张冷	刘忠兵
F 和 S 共掺 V ₂ O ₅ /TiO ₂ 催化剂对 NH ₃ -SCR 活性的影响			吴里程	王谦	赵炜
基于亚硫酸基催化剂的烟气脱硫脱硝			薛志鹏	靳士奇	王勤辉
喷淋条件对生物滴滤塔去除含 H ₂ S 废气的影 响	陈雷	陈益清	李文龙	伍健威	尹娟
镁基-海水法船舶废气脱硫技术性能分析	朱益民	郭琳	唐晓佳	孙美君	张天亮
炼焦炉应用 SCR 烟气脱硝的中试研究	尹涛	张家平	叶明强	曾毅夫	(7179)
电除尘器上下游烟道流场分析及优化设计		王珍	曹文广	彭维明	(7183)

固体废物处理与处置

物化破乳-脱稳离心处理油罐底泥	刘宇程	吴东海	田丰	张波	(7188)
电刺激对餐厨垃圾-污泥共厌氧发酵产挥发性脂肪酸的影响					
污泥生物炭的磷吸附特性	周涛	李阳	宋楠	李杭芬	牛冬杰
镁渣包膜肥的制备及其缓释性能	范远	戈甜	梁鹏翔	李咏玲	程芳琴
天然气全氧燃烧尾气生活垃圾气化热力学分析		庞贇佳	李姝姝	陈义胜	沈胜强
蔬菜废弃物混合堆肥过程中百菌清和都尔的降解规律	邓雪春	冯松涛	洪丽芳	付利波	尹梅
低品位锰矿基胶凝材料配方优化				王华庆	张树光
激冷水合改性镁渣脱硫剂性能实验		姬克丹	侯宇	邓贺	杨文浩
采用化学发泡法制备发泡钢渣水泥					巨鹏瑞
树空坪矿区磷矿废石磷素的浸出特性	梁冰	谭晓引	姜利国	郑泽	(7249)
高含固污泥中影响因素对流变特性的影响	张严之	王卉	张翼	赵洪	(7255)
含油岩屑热解特性与资源化			苏凯	向文国	(7260)
金属-酶制剂共催化对废次烟草制乙醇的影响			王星敏	张露月	胥江河
阴极射线管玻璃碳热还原强化酸浸脱铅	邢明飞	王雅萍	杨英	黄兴宇	李成杰
不同热解温度污泥生物炭对 Pb ²⁺ 、Cd ²⁺ 的吸附特性					
生物淋滤技术对城市污泥中高浓度重金属的去除	郑凯琪	王俊超	刘姝彤	薛红波	吴继阳
热解工艺对污泥制备生物炭物理结构的影响	张娟	丁雷	徐鑫	史新锋	赵叶
TiO ₂ /MCM-41 的制备及对含油污泥热解过程的影响			王格格	李刚	陆江银
城市污泥与促腐剂堆肥中壬基酚类物质的研究				刘鲁珍	李金灵
餐饮垃圾提油中试实验的加热釜参数选择	郑苇	刘淑玲	闵海华	丁西明	孙进
生化黄腐酸投加量对木薯渣堆肥效果的影响					
活性组分稀土氧化物对甲苯催化燃烧性能的影响	郭靖	王英辉	陈建新	张瑞杰	郭雯颖
再生铝飞灰重金属的浸出毒性特征及其控制	张莉红	任明忠	李杰	王亚娥	余乐涇

土壤污染防治

Cr、Ni、Cu 和 Cd 在珠三角某区域工业污染场地包气带和潜水层中的迁移规律					
表面活性剂 CMC 对石油烃污染土壤的增溶	马浩	刘元元	肖文燕	朱立超	王健
二价铁活化过硫酸盐降解土壤中十溴联苯醚	高金龙	马玉琳	孟庆来	谷娜	吴云霞

环境生物技术

微生物发酵产物中溶藻物质的提取方法	李彪	赵以军	程凯	(7344)
pH 控制下果蔬垃圾酸化反应器中微生物优势菌群识别	马海玲	吴远远	郑明月	徐恒
吡啶缺氧生物降解特性及其降解产物				董晓璇
复合腐秆菌剂对稻草腐熟过程的影响	黄国强	聂丽	李昆太	程新
一株多重耐受性高效反硝化细菌的分离鉴定及特性	魏荷芬	王田野	张宏才	胡子全

环境监测技术

三维荧光结合平行因子法在城市自来水监测中的应用	陈飞	周昀	张瑶	李军	倪永炯
城市景观河道浮游植物与水质评价	罗梅	刘昔	陈国梁	赵龙飞	郑月
体外生物测试工具在评价污水污泥毒性效应中的应用	尹杰	苏磊	张效伟	何苗	梁康甫
水质总氮在线检测的光谱数据校正方法					

CONTENTS

- A review of management of national key environmental engineering projects in China** WANG Jinnan LU Yuantang CHENG Liang SONG Lingling ZHAO Yunhao (6801)
- Situation and prospects of co-digestion of excess sludge in research and application** HAO Xiaodi TANG Xing CAO Daqi (6809)
- Research progress on action mechanism of surfactants in treatment of excess sludge** HUANG Xiangfeng MU Tianshuai SHEN Changming PENG Kaiming LU Lijun LIU Jia (6819)
- Modeling and verification of water flux in pressure retarded osmosis process (PRO)** GONG Hui WANG Kaijun (6827)
- Effect of coagulation by FeCl₃ on acute toxicity and genotoxicity of reclaimed water** CHENG Lihua LIU Xiaojing DONG Ruixin BI Xuejun (6833)
- UF membrane fouling of three treatment systems for southern Chinese reservoir water** ZHAO Bei CAO Xinkai LI Yuxian WANG Min CHAI Wen (6838)
- Prediction model of fine grit concentration in activated sludge** JI Fangying WANG Ying FAN Jianping YAN Dachao LI Dongping SUN Guosheng (6843)
- Removal of sulfate in molasses wastewater by modified bagasse ash** PENG Juan LIAO Lei WEI Jianwen QIN Aiming LIU Chao (6848)
- RCDTRO system for treatment of landfill leachate** ZHOU Li YANG Qi LI Zhijun LIU Yang ZHONG Yu LI Xiaoming (6855)
- Study of pre-chlorination process safely enhanced by potassium permanganate for treating surface water traditionally in northwest China in pilot scale** ZHAO Yang HUANG Tinglin WEN Gang ZHANG Ruifeng (6861)
- Sequential inactivation of fungi in drinking groundwater by UV and chlorine** ZHAO Jianchao HUANG Tinglin WEN Gang REN Wei ZHU Hong (6867)
- Flow-field simulation of annular fluidized bed photocatalytic oxidation reactor** FEI Yuchao YAN Yan FU Xiaozheng SONG Boyu LI Haitao ZHANG Zhongguo (6873)
- Degradation of BPA from water by microwave-Fenton advanced oxidative technology** LI Shuo ZHANG Guangshan WANG Peng (6879)
- Degradation of Acid Orange 7 by Na₂S₂O₈/Co²⁺/ultrasound system** WAN Ziqian ZHANG Jing ZHANG Gucheng DING Chao CHEN Yunyu (6887)
- Effect of manganese ion on the remove of ammonium in groundwater by co-oxides film coating on silica sands** SHAO Yuezhong HUANG Tinglin SHI Xinxin CHENG Ya BU Hao GUO Min (6893)
- Influencing factors on desorption of triclosan from sediment by rhannolipid** WU Wenjin HU Yongyou CHEN Yuanbo GUO Qian (6898)
- Impacts of COD/N ratios on nitrogen removal efficiencies and nitrous oxide emissions in subsurface flow constructed wetlands** LIU Geng LI Shengnan HUANG Lei ZHANG Shaobo LI Xin CHEN Yucheng GAO Xu (6907)
- Advanced treatment of simulated tail water of wastewater treatment plant by five submerged plants in wetlands** LIN Yuntong CUI Lihua FAN Yuanhong GAO Jing MA Shuai (6914)
- Quality variations of landscape water with different ratio of reclaimed water supply** HE Teng XIONG Jiaqing WANG Xiaochang LIU Yanzheng (6923)
- Adsorption effect of FeCl₃-modified pomelo peel powder on wastewater containing Cr(VI)** WANG Qiong FU Hongyuan HE Zhongming JIANG Zhaohui WANG Ping (6928)
- Microwave-assisted modified chitosan and flocculation property** CHU Qingdi ZHU Xiaomei WANG Qiaomin YAN Zhiyu LIU Hui SUN Bing (6935)
- Preparation and properties of nanoscale zero valent iron supported on modified attapulgite** GUAN Wenxian WANG Zhihong NIE Jinxu XIONG Liu (6940)
- Simulation research of orbital oxidation ditch process based on ASM2D** MA Zhao LIU Yuling GONG Shuhan BAI Ge XUAN Wuyun (6947)
- Influence of permeable pavement structures on rainwater retention and pollution prevention** LING Li ZHAO Xinhua LU Yudi (6956)
- Nitrous oxide production from sequencing batch reactor sludge under nitrifying conditions of different process** GONG Youkui MIAO Zhijia PENG Yongzhen (6963)
- Kinetics on dimethyl trisulfide oxidation by potassium permanganate in drinking water** YUAN Huizhou ZHANG Caixia KE Shuizhou CHEN Zhong GAO Jingsi (6969)
- Advanced treatment of dyeing wastewater by activated carbon prepared from waste filter bags** LIN Chaoping NING Xun'an WU Junji MAN Xiaoyuan SUN Jian ZHANG Yaping ZHANG Gengling (6977)
- Advanced treatment of coking wastewater by Fe⁰/GAC-Fenton heterogeneous coupling process** ZHENG Jun HE Qianqian ZHANG Dewei FANG Zhiqiang BAO Huihui ZHANG Haitao (6983)
- Wet air oxidation process based on dynamic gas seal wall reactor** YIN Fengjun CHEN Zhong WANG Guangwei CHEN Hongzhen CHEN Zeliang XU Guihua XU Yuanjian (6988)
- Adsorption of dyes by pinecone activated carbons** YE Hongmeng LI Guoping RAO Ruiye YUAN Xuyin ZHANG Jianhua WU Weixiang (6995)
- Change law of Fe in hybrid bioreactor leachate treating household solid wastes** LI Hong ZHENG Min LIU Qingmei ZAN Li LIU Dan (7001)
- Adsorption and desorption performance of modified tobacco stalks on Congo Red in aqueous solution** WAN Xue LAI Xing ZHOU Daoyan WU Jun (7007)
- Study on improving dewatering performance of printing and dyeing sludge by regeneration disposal of water-softing resin** ZHANG Luohong ZHONG Jiayu FENG Dan DU Ting WU Jinjuan (7012)
- Pretreatment of yam diosgenin hydrolytic wastewater by evaporation concentration process** ZHAO Jianjun SUN Changshun WANG Lixiang LI Xin (7017)
- Water-soluble iron removal from humus complex system using flocculation method** TANG Jidan WANG Shixiang ZHOU Wei LIU Meiling LIU Yong (7023)
- Preparation of activated carbon and its adsorption of phenol** YANG Xiaoxia GUO Yanhong ZHENG Xiaofeng FU Feng (7030)
- Electrocatalytic oxidation treatment of petrochemical spent caustic wastewater** QIN Wei XIE Chenxin WANG Zhen QIAN Guanglei LI Xiaolin ZHAO Hui (7035)
- Properties and characterization of Cu_xFe_{1-x} at γ-Al₂O₃ catalysts on treating ceramic printing wastewater with catalytic wet oxidation method** ZHOU Yanbo ZHU Jujian DAI Shujuan ZHANG Yongli (7039)
- Adsorption of nonyl phenol in water by modified pine needle** FAN Ronggui JIANG Qingfeng ZHANG Shiqiang LI Mei CHEN Yao (7046)
- Combined ozonation-ASBR/SBR sludge reduction with simultaneous removal of nitrogen and phosphorus for wastewater treatment** YU Shan HE Zan WANG Haiyan ZHOU Yuexi (7051)
- Effect of Fe³⁺ on nitrogen removal efficiency in constructed rapid infiltration system** CHEN Jiao ZHANG Jianqiang XU Wenlai LI Jia YANG Xu (7057)
- Influencing factors of methylhydrazine wastewater treatment by O₃/VUV using activated carbon as catalyst** QIN Zhangeheng JIA Ying ZHANG Yongyong JI Yuxiao SONG Jingtao (7063)
- Preparation of lanthanum-modified attapulgite and its adsorption of phosphate from water** MIAO Chenchen MAO Linqiang TAO Dejing AN Hao CUI Hao (7069)
- Treatment of acid red 88 wastewater by microwave irradiation method with activated carbon technology** PENG Li (7075)
- Synthesis and photocatalytic performance of photocatalyst Ag@AgCl/BiVO₄** ZHANG Lihong LIU Xiaolin (7081)
- Ti(IV)-loaded and Al(III)-loaded zeolite for removal of excessive fluoride in aqueous solution** LIU Jie WANG Linpei LI Wanyi LIU Yunguo HONG Song (7086)
- Analysis on removal of phosphorus in a wastewater treatment plant employing A/O process in Xi'an, China** CHEN Rong LIU Yin LI Junyan (7093)

- Pretreatment of high concentration phenolic resin wastewater by salting out-freezing method** QIN Wei XIE Chenxin WANG Zhen QIAN Guanglei LI Xiaolin ZHAO Hui (7099)
- Adsorption of Cr⁶⁺, Cd²⁺ and Pb²⁺ from aqueous solutions by nanoscale pyrite** CUI Jinyan QIAN Tianwei DING Qingwei DING Feng (7103)
- Adsorption of copper ion by modified sawdust** CAI Jing DING Wenming WANG Yanmin (7109)
- Phytosystem eco-treatment in sewage treatment of a small and medium-sized railway station of north western China** KIRUMBA George GE Ling ZHANG Bo WANG Gang HE Yiliang (7114)
- Phosphorus fractions in sediment and its relationship with phosphorus in interstitial water of a source water reservoir** LIU Fei HUANG Tinglin SHI Jianchao (7119)
- Numerical simulation of gas-solid two phase flow based on ASMM model inside bag filters with different bag length** DING Qianqian LI Shanlong LI Caiting WANG Yaman GUO Wei (7126)
- Effect of reaction conditions on removal of adsorbed NO_x over Cu-Ce/AC by plasma** TANG Xiaolong MA Ding YI Honghong WANG Jianguan LI Dong GAO Fengyu (7133)
- Primary return air system PM_{2.5} control strategy** LYU Xiaohui ZHANG Ling LIU Zhongbing XU Xiu (7141)
- Adsorption of toluene in gas using loaded I-TiO₂ activated carbon** QIN Yafei CHEN Jie LIU Yao YANG Zhen YANG Weiben WANG Yuping (7147)
- Effects of F and S co-doping of V₂O₅/TiO₂ catalyst on NH₃-SCR activity** WU Licheng WANG Qian ZHAO Wei WANG Jing (7156)
- Simultaneous desulfurization and denitrification from flue gas basing on sulfinyl-catalyst** XUE Zhipeng JIN Shiqi WANG Qinhui LI Xiaojiang (7161)
- Influence of spraying time and frequency on degradation of hydrogen sulfide odors by biotrickling filters** CHEN Lei CHEN Yiqing LI Wenlong WU Jianwei YIN Juan SUN Xin (7168)
- Technical performance analysis of magnesium-base seawater desulfurization system for marine exhaust gas** ZHU Yimin GUO Lin TANG Xiaojia SUN Meijun ZHANG Tianliang (7173)
- SCR de-nitrification pilot-plant test of flue gas from coking furnace** YIN Tao ZHANG Jiaping YE Mingqiang ZENG Yifu (7179)
- Numerical simulation and optimizing design of gas-flow distribution of electrostatic precipitator** WANG Zhen CAO Wenguang PENG Weiming (7183)
- Oil tank bottom sludge treatment based on physicochemical demulsification-destabilization centrifugal** LIU Yucheng WU Donghai TIAN Feng ZHANG Bo (7188)
- Effect of electro-stimulation on volatile fatty acid production from anaerobic co-fermentation of food waste with activated sludge** ZHOU Tao LI Yang SONG Nan LI Hangfen NIU Dongjie YUAN Wenxiang ZHANG Ruina CHAI Xiaoli ZHAO Youcai (7195)
- Phosphorus adsorption performance onto sewage sludge biochar** SHI Chuan ZHANG Panyue GUO Jianbin ZHANG Guangming (7202)
- Preparation of coated fertilizer by magnesium slag and its slow release properties** FAN Yuan GE Tian LIANG Pengxiang LI Yongling CHENG Fangqin XUE Zhanjin (7209)
- Thermodynamic analysis of municipal solid waste with oxy-combustion products of natural gas gasification** PANG Yunji LI Shushu CHEN Yisheng SHEN Shengqiang HE Lijuan (7217)
- Degradation of chlorothalonil and metolachlor in vegetable waste co-composting** DENG Xuechun FENG Songtao HONG Lifang FU Libo YIN Mei YUAN Shoujun (7223)
- Experimental study of formula optimization of cementitious material prepared with low-grade manganese tailings** WANG Huaqing ZHANG Shuguang LI Jiangshan (7229)
- Experiment on desulfurization performance of magnesium slag modified by quenching hydration** JI Kedan HOU Yu DENG He YANG Wenhao FAN Baoguo (7235)
- Foaming cement made with steel slag by method of chemical foaming** JU Pengrui GUO Zhancheng (7241)
- Leaching characteristics of Shukongping phosphate waste rock phosphorus** LIANG Bing TAN Xiaoyin JIANG Liguo ZHENG Ze (7249)
- Effects of influence factors of high-solids sludge on rheological characteristics** ZHANG Yanzhi WANG Hui ZHANG Yi ZHAO Hong (7255)
- Pyrolysis characteristics and resourceful treatment of oily cuttings** SU Kai XIANG Wenguo (7260)
- Effect on production bioethanol from waste tobacco by metal and enzyme co-catalysis** WANG Xingmin ZHANG Luyue XU Jianghe (7265)
- Lead recovery from CRT funnel glass through carbon thermal reduction enhanced acid leaching process** XING Mingfei WANG Yaping YANG Ying HUANG Xinyu LI Chengjie HONG Haiyang (7271)
- Adsorption characteristic of Pb²⁺ and Cd²⁺ with sludge biochars derived at different pyrolysis temperatures** ZHENG Kaiqi WANG Junchao LIU Shutong XUE Hongbo WU Jiyang LIU Tianyu YIN Weiqin WANG Xiaozhi (7277)
- Removal of high strength heavy metals from sewage sludge by bioleaching technology** ZHANG Juan DING Lei XU Xin SHI Xinfeng ZHAO Ye ZHAO Yixian (7283)
- Effect of pyrolysis process on physical structure of biochar** WANG Gege LI Gang LU Jianguan WANG Jianjun (7289)
- Preparation and influence of TiO₂/MCM-41 on pyrolysis process of oily sludge** LIU Luzhen LI Jinling QU Chengtun (7294)
- Study on nonylphenolic compounds during composting of municipal sludge and rot promoting agent** WANG Menglong HUANG Junjie GAO Zhao YANG Weihua (7299)
- Parameter selection for heating still based on pilot test of oil extraction from kitchen waste** ZHENG Wei LIU Shuling MIN Haihua DING Ximing SUN Jin CHEN Guanyi JIN Junping (7305)
- Effect of different dosage of biochemical fulvic acid on cassava waste composting** GUO Jing WANG Yinghui CHEN Jianxin ZHANG Ruijie GUO Wenyong MA Jankai WANG Shaopeng WEI Chaoshuai (7310)
- Effect of toluene catalytic combustion performance of catalysts containing rare earth oxide active components** LIU Dacheng LIU Yanjuan (7317)
- Leaching toxicity characteristics and control of fly ash's heavy metal from secondary aluminum** ZHANG Lihong REN Mingzhong LI Jie WANG Yae YU Lehuan (7321)
- Migration regulation of Cr, Ni, Cu and Cd in aeration zone and phreatic aquifer of industrial contaminated sites in the Pearl River Delta region** WANG Zhaoyi PAN Weibin CHEN Jie SUN Jieying (7326)
- Solubilization of petroleum hydrocarbons in contaminated soil by carboxyl methyl cellulose (CMC)** MA Hao LIU Yuanyuan XIAO Wenyan ZHU Lichao WANG Jian WANG Wanyu (7333)
- Degradation of decabromodiphenyl ether in soil by sulfate activated with ferrous ions** GAO Jinlong MA Yulin MENG Qinglai GU Na WU Yunxia QIN Huihui WANG Kuitao (7339)
- Extraction method of algal-lysing substance from microbial fermentation products** LI Biao ZHAO Yijun CHENG Kai (7344)
- Identification dominant bacteria in acidification bioreactor fed by fruit and vegetable waste under pH control** MA Hailing WU Yuanyuan ZHENG Mingyue XU Heng WANG Cuiping WANG Kaijun (7349)
- Biodegradation characterization and photodegraded product of pyridine under anoxic conditions** DONG Xiaoxuan WANG Guoying YUE Xiuping (7355)
- Effects of compound decomposing microbes on rice-straw composting** HUANG Guoqiang NIE Li LI Kuntai CHENG Xin NI Guorong PAN Xiaohua WEI Saijin (7361)
- Identification and characteristics of an efficient denitrifying bacteria stain with multi-tolerance features** WEI Hefen WANG Tianye ZHANG Hongcai HU Ziquan ZHAO Haiquan (7367)
- Application of 3D fluorescence in monitoring city tap water combined with parallel factors (PARAFAC) algorithm** CHEN Fei ZHOU Yun ZHANG Yao LI Jun NI Yongjiong WEI Su (7375)
- Phytoplankton and water quality evaluation in a riverway of urban landscape** LUO Mei LIU Xi CHEN Guoliang ZHAO Longfei ZHENG Yue WANG Ziyang YANG Guijun HU Xiquan (7380)
- Application of in vitro biological test tool in assessing toxic effect of sewage sludge** YIN Jie SU Lei ZHANG Xiaowei HE Miao LI Juanying (7387)
- Calibration method for spectral data of on-line total-nitrogen detection in water** LIANG Kangfu YANG Huizhong (7396)