

目 次

研究报告

- 离子交换富集回收生活污水超滤膜滤后出水的氨氮 王志杰, 宫徽, 王凯军 (2633)
- 采用强酸性阳离子交换树脂分离铝离子和磷酸盐 贺子良, 王丽娟, 朱利军, 刘锐平 (2640)
- 酸化冲击对低 pH 厌氧发酵系统性能的影响 张松, 刘敏, 陈滢 (2646)
- Fe-Mn/ACF 复合电极在生物-电芬顿系统中处理活性艳蓝 KN-R 许东伟, 徐畅, 严群 (2654)
- pH 和硝化细菌浓度对氨氮氧化速率的影响 杨宏, 姚仁达 (2660)
- 串联补给式微生物燃料电池加速处理含铜废水 李静, 王晓慧, 王钊, 刘睿, 高艳梅, 海热提 (2666)
- 不同咪唑基离子液体改性 PbO₂ 电极降解苯酚废水 罗瑶, 薛娟琴, 于丽花, 王磊, 赵春霞 (2671)
- 低电压条件下水体中诺氟沙星的去除效果及机理 朱敏杰, 袁守军 (2677)
- 玉米叶水解液作为好氧反硝化的补充碳源分析 何嘉欣, 黄少斌, 周少锋 (2684)
- 3AMBR 工艺处理城市污水节能降耗的中试实验 黄志伟, 石雷, 隋军, 李捷, 何晓卫, 周元, 黄焱涸 (2692)
- 厌氧氨氧化工艺的启动及微生物群落结构分析 谭锡诚, 何士龙, 黄晴 (2699)
- 改性木屑对海上溢油的吸附 王艳敏, 丁文明, 蔡静 (2705)
- Fe₂O₃/累托石催化降解间苯二酚 贺晶, 朱剑峰, 朱晓峰, 施键, 丁园园, 刘王辉 (2711)
- 硫脲对硝化反应的抑制 侯震东, 岳秀萍, 白志远, 张潇 (2718)
- 气升式外循环涡旋强化生物脱氮反应器运行特性 胡涛, 陈小光, 王玉, 周伟竹, 徐焱, 林海波, 黄丹平 (2723)
- 柚子皮水热炭对六价铬的吸附 张双杰, 邢宝林, 黄光许, 刘全润, 贾建波, 段玉玲, 张传祥 (2731)
- 碳纳米管/钨酸铋光催化降解盐酸四环素 李欣, 王铁成, 屈广周, 梁东丽, 呼世斌 (2738)
- 刚毛藻对不同形态磷的去除 张新龙, 孙力平, 钟远 (2743)
- 多级生物膜反应器对煤气化废水的处理 郑彭生, 陆小泉, 周如禄, 郭中权 (2748)
- US/UV-Fenton 体系处理不同工段的印染废水 王玉番, 鞠甜甜, 王永, 卢少勇, 刘晓晖, 王炜亮 (2754)
- 雨季冲击条件下活性污泥呼吸图谱的变化 李志华, 李汝佳, 张庆珮, 马智博, 张亚伟 (2762)
- 厌氧共代谢条件下苯胺黑药的生物降解 董明, 宋卫锋, 林丽婷, 简静仪, 李海宇, 程亚杰 (2768)
- UASB 反应器处理饮料废水污泥颗粒化过程 侯艳红, 彭党聪, 王娜, 冯晓颖 (2774)
- 好氧-富氧曝气生物处理在黑臭河涌原位修复中的应用 肖羽堂, 王艳杰, 吴玉丽, 曾楚雯, 郑伟明 (2780)
- 2 种野生植物砾石基质系统净化生活污水 谭洪涛, 朱琳, 王彬, 刘璟 (2785)
- 单室微生物电解池处理含镍模拟废水 赵欣, 吴忆宁, 靳敏 (2792)
- 用 Illumina MiSeq 高通量测序方法探讨四环素对厌氧消化系统微生物群落结构的影响 陆美青, 牛晓君, 林晓忠, 林小艺, 许达文, 黄继琳 (2797)
- 疏浚底泥免烧陶粒的制备及其净水效果 周颜, 贾瑞, 周兰, 彭啸, 吴燕 (2804)
- 固定化鼠尾藻 *Sargassum thunbergii* 对水中重金属锌的生物吸附效应 李翔宇, 王应军, 朱雪梅, 贾琪双, 汪杨军 (2812)
- 多相催化臭氧氧化技术处理染料废水生化出水 徐红岩, 王俊, 张原洁, 韩黎明, 宋英豪, 刘广青, 苏本生 (2819)
- 水生蔬菜型湿地植物对氮、磷营养盐的吸收动力学 韩璐璐, 吕锡武 (2828)
- 反硝化生物滤池生物膜胞外聚合物空间分布特征 周晓黎, 孙迎雪, 石娜, 田媛 (2836)
- 重力流排水管道内流态对生物膜菌落结构的影响 艾海男, 张青, 何强, 徐警卫, 王银亮 (2845)
- 活性焦联合脱硫脱硝脱汞塔入口气流均布与喷氨优化 郭威, 李彩亭, 李珊红, 张玉歌, 丁倩倩, 王娅曼 (2851)
- 道路环境黑碳变化特征及影响因素 田灵娣, 樊守彬, 郭津津, 张东旭, 孙改红 (2858)
- UV/H₂O₂ 协同净化丙酮气体的性能及机理 赵文霞, 康汇, 任爱玲, 王克强, 么瑞静 (2865)
- 湿式密集纤维栅对矿山粉尘的过滤效率 陈喜山, 张小明, 姚小清 (2871)
- 纳米零价铁脱硫剂的制备及其脱硫性能评价 田欢, 高志远, 吴江, 王健敏, 张文博, 周肖, 孙小琪, 王筱珺 (2878)
- 碱金属盐改性炽热镁渣激冷水合脱硫剂 侯宇, 冯乐, 李经宽, 乔晓磊, 金燕, 樊保国 (2885)
- 脱氮塔中一株异养硝化真菌的分离鉴定及其脱氮特性 李传宽, 邹平, 徐志强, 陈露蕊, 孙珮石, 毕晓伊, 吴志浩 (2890)
- 电袋复合除尘器气流分布的数值模拟和优化 刘栋栋, 叶兴联, 李立锋, 苏寅彪 (2897)
- 有机蒸气-空气分子扩散系数实测数据及分析 李丽, 黄维秋, 周宁, 纪妍妍, 徐先阳, 张齐正 (2903)
- 改性酚醛泡沫脱除 SO₂/NO_x 影响因素模型 王猛, 许绿丝, 苑媛, 张月, 张倩 (2909)
- SCR 脱硝系统分区控制式喷氨格栅的优化 翁骥, 王铮, 李小海, 谢兴星 (2915)
- 金属卤化盐改性沸石脱汞性能 孙青柯, 黄亚继, 秦翠娟, 李睦, 周军, 卢志海 (2920)
- 用动态旋转滤网分离烹饪油烟中的油脂 李文辉, 李双德, 高佳佳, 曹亚裙, 陈运法 (2926)
- 活性炭和沸石分子筛处理非稳定排放 VOCs 气体的性能比较 李照海, 羌宁, 刘涛, 何娇, 曹翌奇, 陈皓坤 (2933)
- TiO₂、BiVO₄、Cu₂O 光催化降解低浓度甲醛 温惠敏, 衣守志, 裴丽丽, 徐红彬 (2940)
- 褶型筒式空气过滤器过滤压降的数值模拟 袁惠新, 刘明爽, 吕浪, 付飞, 何金鹏 (2946)
- ZSM-5 分子筛的低温等离子体再生特性 康凯, 白书培, 宋华, 韩素玲, 王德生 (2951)

- 城郊气象因素与 NO_x 、 PM_{10} 的多重形分析 秦廷双,何红弟(2960)
- 输煤皮带巷运煤量对扬尘运移扩散影响的数值模拟 张子文,杨帆,吴文豪,李陶(2967)
- 2005—2014 年中三角城市群大气污染特征及变化趋势 李婷婷,尉鹏,程水源,王文杰,谢品华,陈臻懿,苏福庆,任阵海(2977)
- 春节期间太原市环境空气质量变化 韩昌邦,徐明德(2985)
- 轻型车燃用费托柴油的实际道路排放特征 解淑霞,鲍晓峰,朱仁成,祖雷,何立强,宋敬浩,贾明(2993)
- 北京市场水性建筑涂料 VOCs 成分及含量分析 曹鑫悦,吴辉,杨薇桦,姚志良(3000)
- 污泥间接干化产生尾气的恶臭污染潜力分级评价 丁文杰,张凯,张科,李琳,刘俊新(3009)
- 厨余垃圾短程发酵产物的性质及其反硝化性能 张永梅,王晓昌,程喆,李玉友(3017)
- 茉莉花茶废弃物的热解特性及其产物 田灵辉,沈伯雄,王夫美,张笑,池桂龙,朱少文(3024)
- 常压水热法下钛石膏的脱水速率与产物形貌 赵辉,张群朝,蒋涛,任小明(3030)
- CRT 锥玻璃碳还原强化玻璃相脱铅 邢明飞,王净宇,张永慧,张东晖,付泽刚,张志远(3036)
- 不同类型伴随阴离子钙盐对风化煤矸石污染物释放的影响 王虎,吴永贵,付天岭,罗有发,周佳佳,徐巡(3043)
- 含油污泥及其污染水体中多环芳烃及其急性生物毒性测定 刘天璐,杨洁,王君,黄群星,严建华(3051)
- 水热温度对硫酸铝水解产物相结构及微观形貌的影响 黄静,罗中秋,夏举凤,赵宇涵(3059)
- 温度和渗滤液腐蚀对填埋场无纺布耐久性的影响 李福一,刘磊(3067)
- 超声联合碱解预处理对剩余污泥破解和厌氧消化的影响 徐慧敏,何国富,戴晓虎,象伟宁(3073)
- 反胶束漆酶/纤维素酶体系中油酸酯化的优化 彭馨,袁兴中,孟勇,袁露,包珊,徐鹏飞(3079)
- 离子液体催化木质素转化制备丁香醛 李莉,黄崇品,魏泉源,李宏强,曲永水,徐建(3085)
- 基于氨氮抑制效应的污泥厌氧产酸 王晋,李习伟,方新磊,徐舟,李定龙(3091)
- 小城镇污水处理厂污泥土壤化植物床的运行 戴晓虎,薛勇刚,刘旭军,施闯涛,黄云建,陈向文,赵炳洋,张发茂(3099)
- 生活垃圾的控氧热转化中试实验 王穗兰,王汝佩,李祺,陆鹏,黄群星,池涌,严建华(3107)
- 臭氧预处理对高固污泥厌氧消化的影响 邵明明,杨春(3115)
- 页岩气井油基钻屑固化处理技术 蔡浩,姚晓,华苏东,许春田,龚厚平,黎学年,吴波(3120)
- 偏心双轴搅拌用于污泥搅拌混合的数值模拟 朱桂华,张丽欣,王万斌,朱天宏(3128)
- 磷化渣制备羟基磷酸铁及其电催化性能 刘旗,陈晓军,乔永民,王利军(3135)
- 硫酸与 H_2O_2 快速联合调理对含铁剩余污泥脱水性能的改善 张鹏源,韩永忠,戴荣(3142)
- 好氧堆肥滚筒结构及通风管排布设计 郑相炜,肖爱平(3148)
- 风化土壤中腐殖酸的提取及其性能表征 郭雅妮,马畅柠,惠靖,杨靖,王理明(3153)
- 生活污水与煤混烧及热解特性 陈繁荣,孙鸣,高晓明(3161)
- 电子束辐照结合低温热水解协同提高污泥破解率 陈川红,何仕均,王建龙,张幼学,俞江(3166)
- 稳定剂协同水泥固化/稳定化重金属污染土壤的工程特性 张志红,陈家煜,郭观林,张琛,王梅,张朝(3172)
- 黑麦草对土壤中残留抗生素的降解及其对微生物活性的影响 裴孟,梁玉婷,易良银,曹胜男,杨泽平,王丹丹,赵远(3179)
- 不同粒级的煤胶体对汞的吸附动力学 薛杨,邱素芬,许端平,赵晓亮,吴志军,刘嘉欣(3187)
- 小分子有机酸对纳米铁稳定砷的影响 冷迎祥,刘菲,王文娟,罗锡明(3195)
- 能源植物皇草对重金属的耐性及修复潜力 张杏锋,田超,高波(3204)
- 高浓度汞污染土壤低温工程性修复复垦的可行性 赵婷,余志,张军方,瞿丽雅(3214)
- 超声波强化 EDTA- Na_2 对土壤中 Pb、Cd 去除效果及形态变化的影响 刘一洲,周航,杜文琪,杨文弢,辜娇峰,廖柏寒(3220)
- 有机酸对成都平原镉污染土壤的淋洗效果 黎诗宏,蒋卉,朱梦婷,梁斌,徐志强,户双节(3227)
- 河岸带土壤对不同 pH 雨水中截留磷的影响 刘超,毕春娟,陈振楼,诸葛祥真(3233)
- 吐温 80 对柴油污染老化土壤的洗脱特征及影响 王辉,吴昊,孙丽娜,王晓旭,刘哲(3239)
- 钒氧化物活化过硫酸钠降解 2,4,6-三氯酚的机制 吴文慧,邓亚梅,施维林,方国东,周东美(3244)
- 4 种植物激素对向日葵富集 U 和 Cd 的影响 龙婵,王丹,陈立,江文静,向明文(3251)
- 硫化亚铁稳定化修复重金属污染湖泊底泥的效率及机理 李海波,曹梦华,吴丁山,杨兰芳,方定(3258)
- S/N 质量比对硫化物自养反硝化过程 N_2O 还原与积累的影响 赵晴,杨伟明,邱林清,张鑫,孟了,吕慧(3264)
- 污泥臭氧氧化处理过程中活菌抗药基因丰度的消减 田少因,田哲,杨宏,杨敏,张昱(3271)
- 羧基裂解酶基因对施氏假单胞菌 N_2 代谢苯酚的影响 陈琪,聂麦茜,訾静,陈军,齐慧霞,聂红云,王琰(3279)
- 一株五溴联苯醚(BDE-99)降解菌的分离、鉴定及降解特性 张可,关允,罗鸿兵,陈伟,陈佳,格桑(3287)
- 一株产表面活性剂石油降解菌筛选及其特性 邓振山,马琳,张袭,李鹏,贺晓龙,杨波(3295)
- 饮用水中典型致嗅物质吹扫捕集-气相色谱质谱检测方法优化 马兰,曾宁,孙昕,刘凌伟(3304)
- 嵌入式污水 COD 在线监测仪的研制与应用 肖峻,杨孟益,缪霞华,姚永年(3312)
- 防渗膜集成永久性渗漏监测系统的定位 刘宁,GEUTEBRÜCK Ernst, RAMSEY Boyd(3320)
- 综合权重的集对分析模型在污水处理厂改造决策中的应用 彭良,李凡修,郭曦(3327)
- 基于正态随机模拟的武烈河环境健康风险评价 王月,安达,席北斗,周炼,安志民,陈晓志,高如泰(3334)

CONTENTS

- Ammonia enrichment and recovery via ion exchange from municipal wastewater after filtered by ultrafiltration membrane** WANG Zhijie, GONG Hui, WANG Kaijun (2633)
- Separation of aluminum ions and phosphate by cation exchange resin** HE Ziliang, WANG Lijuan, ZHU Lijun, LIU Ruiping (2640)
- Effect of acidification shock on performance of anaerobic fermentation system at low pH** ZHANG Song, LIU Min, CHEN Yujie (2646)
- Treatment of Reactive Brilliant Blue KN-R using bio-electro-Fenton system with composite Fe-Mn/ACF electrode** XU Dongwei, XU Chang, YAN Qun (2654)
- Effects of pH level and nitrifying bacteria concentration on ammonia oxidation rate** YANG Hong, YAO Renda (2660)
- Accelerating treatment of copper-containing wastewater by microbial fuel cells in series** LI Jing, WANG Xiaohui, WANG Zhao, LIU Rui, GAO Yanmei, HAI Reti (2666)
- Electrochemical degradation of phenol wastewater by PbO₂ electrodes modified with different imidazolium-based ionic liquids** LUO Yao, XUE Juanqin, YU Lihua, WANG Lei, ZHAO Chunxia (2671)
- Removal effect of norfloxacin from aqueous solution under the condition of low voltage and its mechanism** ZHU Minjie, YUAN Shoujun (2677)
- Analysis of corn husk hydrolysate as supplementary carbon source for aerobic denitrification** HE Jiaxin, HUANG Shaobin, ZHOU Shaofeng (2684)
- Pilot test of 3AMBR in municipal sewage treatment based on energy consumption and energy saving** HUANG Zhiwei, SHI Lei, SUI Jun, LI Jie, HE Xiaowei, ZHOU Yuan, HUANG Yaoyin (2692)
- Startup of anaerobic ammonium oxidation process and analysis of microbial community structure** TAN Xicheng, HE Shilong, HUANG Qing (2699)
- Adsorption of oil spill by modified sawdust** WANG Yanmin, DING Wenming, CAI Jing (2705)
- Catalytic degradation of resorcinol by Fe₂O₃/rectorite** HE Jing, ZHU Jianfeng, ZHU Xiaofeng, SHI Jian, DING Yuanyan, LIU Wanghui (2711)
- Inhibition of nitrification inhibitor thiourea on ammonia nitrification** HOU Zhendong, YUE Xiuping, BAI Zhiyuan, ZHANG Xiao (2718)
- Operation characteristics of air-lift external circulation vortex enhancement nitrogen removal bio-reactor** HU Tao, CHEN Xiaoguang, WANG Yu, ZHOU Weizhu, XIAO Yao, LIN Haibo, HUANG Danping (2723)
- Adsorption of Cr(VI) by hydrothermal carbon from shaddock peel** ZHANG Shuangjie, XING Baolin, HUANG Guangxu, LIU Quanrun, JIA Jianbo, DUAN Yuling, ZHANG Chuanxiang (2731)
- Degradation of tetracycline hydrochloride by CNTs/BiVO₄ photocatalytic** LI Xin, WANG Tiecheng, QU Guangzhou, LIANG Dongli, HU Shibin (2738)
- Removal of different forms of phosphorus by *Cladophora*** ZHANG Xinlong, SUN Liping, ZHONG Yuan (2743)
- Treatment of multistage biofilm reactor on coal gasification wastewater** ZHENG Pengsheng, LU Xiaquan, ZHOU Rulu, GUO Zhongquan (2748)
- US/UV-Fenton system treatment of different section printing and dyeing wastewater** WANG Yufan, JU Tiantian, WANG Yong, LU Shaoyong, LIU Xiaohui, WANG Weiliang (2754)
- Variation of activated sludge respiration under condition of hydraulic impact during rainy season** LI Zhihua, LI Ruqia, ZHANG Qingpei, MA Zhibo, ZHANG Yawei (2762)
- Biodegradation of aniline aerofloat on anaerobic co-metabolism** DONG Ming, SONG Weifeng, LIN Liting, JIAN Jingyi, LI Haiyu, CHENG Yajie (2768)
- Sludge granulation in UASB reactor for soft drink wastewater (SDW) treatment** HOU Yanhong, PENG Dangcong, WANG Na, FENG Xiaoying (2774)
- Application of black-odor river of aerobic-oxygen-enriched aeration biological treatment in-situ remediation** XIAO Yutang, WANG Yanjie, WU Yuli, ZENG Chuwen, ZHENG Weiming (2780)
- Purification of domestic sewage by two kinds of wild plants gravel matrix system** TAN Hongtao, ZHU Lin, WANG Bin, LIU Jing (2785)
- Nickel efficiency removal in single-chamber microbial electrolysis cells** ZHAO Xin, WU Yining, JIN Min (2792)
- Using Illumina MiSeq high-throughput sequencing to analyze influence of tetracycline on microbial community structure in anaerobic digestion system** LU Meiqing, NIU Xiaojun, LIN Xiaozhong, LIN Xiaoyi, XU Dawen, HUANG Jilin (2797)
- Preparation of dredged sediment unburned ceramsite and its water purification effect** ZHOU Yan, JIA Rui, ZHOU Lan, PENG Xiao, WU Yan (2804)
- Effect of biosorption of heavy metal zinc in water by immobilized *Sargassum thunbergii*** LI Xiangyu, WANG Yingjun, ZHU Xuemei, JIA Qishuang, WANG Yangjun (2812)
- Treatment of biologically-treated effluent of dye wastewater by heterogeneous catalytic ozonation technology** XU Hongyan, WANG Jun, ZHANG Yuanjie, HAN Liming, SONG Yinghao, LIU Guangqing, SU Bensheng (2819)
- Absorption kinetics of nitrogen and phosphorus in aquatic vegetables in wetland** HAN Luyao, LYU Xiwu (2828)
- Spatial distribution characteristics of extracellular polymeric substances in a denitrification biological filter** ZHOU Xiaoli, SUN Yingxue, SHI Na, TIAN Yuan (2836)
- Impact of flow pattern of drainage pipe on structure of biofilm colonies** AI Hainan, ZHANG Qing, HE Qiang, XU Jingwei, WANG Yinliang (2845)
- Optimization of inlet flow field and ammonia injection about activated coke tower for combined removal of SO₂, NO_x and Hg** GUO Wei, LI Caiting, LI Shanlong, ZHANG Yuge, DING Qianqian, WANG Yaman (2851)
- Concentration variations and influencing factors of black carbon in road environment** TIAN Lingdi, FAN Shoubin, GUO Jinjin, ZHANG Dongxu, SUN Gaihong (2858)
- Properties and mechanism of synergistic purification acetone gas by UV/H₂O₂** ZHAO Wenxia, KANG Hui, REN Ailing, WANG Keqiang, YAO Ruijing (2865)
- Filtration efficiency of wet-type intensive fiber grid on mine dust** CHEN Xishan, ZHANG Yuqi, YAO Xiaoqing (2871)
- Preparation and performance of Fe nanoparticle desulfurizer for hot coal gas desulfurization** TIAN Huan, GAO Zhiyuan, WU Jiang, WANG Jiamin, ZHANG Wenbo, ZHOU Xiao, SUN Xiaoming, WANG Xiaojun (2878)
- Magnesium slag desulfurizer modified by alkali metal salt in quenching hydration** HOU Yu, FENG Le, LI Jingkuan, QIAO Xiaolei, JIN Yan, FAN Baoguo (2885)
- Isolation and identification of a heterotrophic nitrifying fungus on denitrification characteristics in denitrifying tower** LI Chuankuan, ZOU Ping, XU Zhiqiang, CHEN Lurui, SUN Peishi, BI Xiaoyi, WU Zhihao (2890)
- Numerical simulation and optimization of gas flow distribution on electrostatic-fabric integrated precipitator** LIU Dongdong, YE Xinglian, LI Lifeng, SU Yinbiao (2897)
- Measured values and analysis of molecular diffusion coefficient of organic vapor-air** LI Li, HUANG Weiqiu, ZHOU Ning, JI Yanyan, XU Xianyang, ZHANG Qizheng (2903)
- Influencing factors of SO₂/NO_x removal by activated carbon modified phenolic foam** WANG Meng, XU Lisi, YUAN Yuan, ZHANG Yue, ZHANG Qian (2909)
- Optimization of partition controlled ammonia-injection grid in SCR denitrification system** WENG Ji, WANG Zheng, LI Xiaohai, XIE Xingxing (2915)
- Removal of mercury using zeolite modified by metal halides** SUN Qingke, HUANG Yaji, QIN Cuijuan, LI Mu, ZHOU Jun, LU Zhihai (2920)
- Grease separation in cooking fume by using a dynamic rotary filter** LI Wenhui, LI Shuangde, GAO Jiajia, CAO Yaqun, CHEN Yunfa (2926)
- Competitive adsorption and desorption of unsteady emission VOCs on activated carbon and zeolites** LI Zhaohai, QIANG Ning, LIU Tao, HE Jiao, CAO Yiqi, CHEN Haokun (2933)
- Photocatalytic degradation of low concentration formaldehyde by TiO₂, BiVO₄ and Cu₂O** WEN Huimin, YI Shouzhi, PEI Lili, XU Hongbin (2940)
- Numerical simulation of pressure drop of pleated air filter** YUAN Huixin, LIU Mingshuang, LYU Lang, FU Fei, HE Jinpeng (2946)
- Regeneration characteristic of ZSM-5 molecular sieves by non-thermal plasma** KANG Kai, BAI Shupe, SONG Hua, HAN Suling, WANG Desheng (2951)
- Multifractal analysis of meteorological factors and NO_x, PM₁₀ in urban and suburban** QIN Tingshuang, HE Hongdi (2960)
- Numerical simulation for effect of coal amount on dust migration and diffusion in belt conveyer roadway** ZHANG Ziwen, YANG Fan, WU Wenhao, LI Tao (2967)
- Air pollution characteristic and variation trend of Central Triangle urban agglomeration from 2005 to 2014** LI Tingting, WEI Peng, CHENG Shuiyuan, WANG Wenjie, XIE Pinhua, CHEN Zhenyi, SU Fuqing, REN Zhenhai (2977)
- Change of air quality in Taiyuan during the Spring Festival** HAN Changbang, XU Mingde (2985)

- Emission characteristics of a light-duty vehicle fueled with Fischer-Tropsch diesel under real-world driving conditions** XIE Shuxia, BAO Xiaofeng, ZHU Rencheng, ZU Lei, HE Liqiang, SONG Jinghao, JIA Ming (2993)
- VOCs composition and content analysis of waterborne architectural coatings in Beijing market** CAO Xinyue, WU Hui, YANG Weihua, YAO Zhiliang (3000)
- Rating evaluation of odor potential pollution capacity for odor gas released during process of sludge indirectly drying** DING Wenjie, ZHANG Ji, ZHANG Ke, LI Lin, LIU Junxin (3009)
- Characteristics of free fermentation products from food wastes and its denitrification performance** ZHANG Yongmei, WANG Xiaochang, CHENG Zhe, LI Yuyou (3017)
- Pyrolysis characteristics and pyrolysis products of jasmine tea waste** TIAN Linghui, SHEN Boxiong, WANG Fumei, ZHANG Xiao, CHI Guilong, ZHU Shaowen (3024)
- Dehydrating rate of titanium gypsum and crystal morphology of α -hemihydrate titanium gypsum by atmospheric hydrothermal method** ZHAO Hui, ZHANG Qunchao, JIANG Tao, REN Xiaoming (3030)
- Lead recovery from CRT funnel glass through carbon thermal reduction enhanced glass phase separation process** XING Mingfei, WANG Jingyu, ZHANG Yonghui, ZHANG Donghui, FU Zegang, ZHANG Zhiyuan (3036)
- Effects of different accompanying anion of calcium salt on release of weathered coal gangue contaminants** WANG Hu, WU Yonggui, FU Tianling, LUO Youfa, ZHOU Jiajia, XU Xun (3043)
- Determination of polycyclic aromatic hydrocarbons and acute biotoxicity for petroleum sludge and contaminated fresh water** LIU Tianlu, YANG Jie, WANG Jun, HUANG Qunxing, YAN Jianhua (3051)
- Effects of hydrothermal temperature on structural and microstructural properties of aluminum sulfate deposited product** HUANG Jing, LUO Zhongqiu, XIA Jupei, ZHAO Yuhuan (3059)
- Effects of temperature and leachate concentration on durability of landfill nonwoven geotextiles** LI Fuyi, LIU Lei (3067)
- Effects of combined ultrasound and alkali pretreatment on waste activated sludge disintegration and anaerobic digestion** XU Huimin, HE Guofu, DAI Xiaohu, XIANG Weining (3073)
- Optimization of esterification of oleic acid by reversed micelle-laccase/cellulase system** PENG Xin, YUAN Xingzhong, MENG Yong, YUAN Lu, BAO Shan, XU Pengfei (3079)
- Ionic liquids catalyzing lignin conversion to prepare syringaldehyde** LI Li, HUANG Chongpin, WEI Quanyuan, LI Hongqiang, QU Yongshui, XU Jian (3085)
- Sludge anaerobic acidification based on ammonia-nitrogen inhibition** WANG Jin, LI Xiwei, FANG Xinlei, XU Ran, LI Dinglong (3091)
- Operation of sludge disposal technology based on plant bed in small towns** DAI Xiaohu, XUE Yonggang, LIU Xujun, SHI Mintao, HUANG Yunjian, CHEN Wenxiang, ZHAO Bingping, ZHANG Famao (3099)
- Pilot test of heat transfer in solid waste control oxygen** WANG Suilan, WANG Rupei, LI Qi, LU Peng, HUANG Qunxing, CHI Yong, YAN Jianhua (3107)
- Effect of ozone pretreatment on anaerobic digestion of high solid sludge** TAI Mingming, YANG Chun (3115)
- Solidification treatment technology of oil-based drilling cuttings in shale gas well** CAI Hao, YAO Xiao, HUA Sudong, XU Chuntian, GONG Houping, LI Xuenian, WU Bo (3120)
- Numerical simulation of mixing on sludge with eccentricity double-impeller** ZHU Guihua, ZHANG Lixin, WANG Wanbin, ZHU Tianhong (3128)
- Preparation and electrocatalytic performance of hydroxyl iron phosphate with phosphate sludge** LIU Qi, CHEN Xiaojun, QIAO Yongmin, WANG Lijun (3135)
- Improvement of iron sludge dewaterability performance by quick conditioning of sulfuric acid combined with hydrogen peroxide** ZHANG Pengyuan, HAN Yongzhong, DAI Rong (3142)
- Structure design of aerobic composting rotational drum and arrangement of ventilating pipes** ZHENG Xiangwei, XIAO Aiping (3148)
- Humic acid extraction from weathered coal and its properties characterization** GUO Yan, MA Changning, HUI Fan, YANG Jing, WANG Liming (3153)
- Combustion and pyrolysis characteristics of sewage sludge and coal** CHEN Fanrong, SUN Ming, GAO Xiaoming (3161)
- Improvement of sludge disintegration by electron beam radiation in combination with low temperature thermal treatment** CHEN Chuanhong, HE Shijun, WANG Jianlong, ZHANG Youxue, YU Jiang (3166)
- Engineering characteristics of stabilized contaminated soil with heavy metals by cement and SR** ZHANG Zhihong, CHEN Jiayu, GUO Guanlin, ZHANG Zhuo, WANG Mei, ZHANG Chao (3172)
- Degradation of residual antibiotics in soils by ryegrass and its effect on microbial activity** PEI Meng, LIANG Yuting, YI Liangyin, CAO Shengnan, YANG Zeping, WANG Dandan, ZHAO Yuan (3179)
- Adsorption kinetics of mercury on different particle-size colloids from coal** XUE Yang, QIU Sufen, XU Duanping, ZHAO Xiaoliang, WU Zhijun, LIU Jiabin (3187)
- Effects of small molecule organic acids on nanometer iron for stabilization of arsenic** LENG Yingxiang, LIU Fei, WANG Wenjuan, LUO Ximing (3195)
- Heavy metal tolerance and phytoremediation potential of energy crop, king grass** ZHANG Xingfeng, TIAN Chao, GAO Bo (3204)
- Reclamation feasibility of high mercury-contaminated soil repaired by low-temperature pyrolysis technology** ZHAO Ting, YU Zhi, ZHANG Junfang, QU Liya (3214)
- Effect of ultrasound-enhanced EDTA- Na_2 methods on removal rates and speciations of Pb and Cd in soil** LIU Yizhou, ZHOU Hang, DU Wenqi, YANG Wentao, GU Jiaofeng, LIAO Bohan (3220)
- Leaching effect of organic acid on soil polluted by cadmium in Chengdu Plain** LI Shihong, JIANG Hui, ZHU Mengting, LIANG Bin, XU Zhiqiang, HU Shuangjie (3227)
- Effect of retention of phosphorus in riparian zone soil on different pH rainwater** LIU Chao, BI Chunjuan, CHEN Zhenlou, ZHUGE Xiangzhen (3233)
- Characterization and effect of washing diesel oil-contaminated aged soil by Tween 80** WANG Hui, WU Hao, SUN Li'na, WANG Xiaoxu, LIU Zhe (3239)
- Mechanism of persulfate activation with vanadium oxides for 2,4,6-TCP degradation** WU Wenhui, DENG Yamei, SHI Weilin, FANG Guodong, ZHOU Dongmei (3244)
- Effect of four kinds of phytohormones on U and Cd accumulation in *Helianthus annuus*** LONG Chan, WANG Dan, CHEN Li, JIANG Wenjing, XIANG Mingwen (3251)
- Stabilization efficiency and mechanism of heavy metals in contaminated lake sediments by ferrous sulfide** LI Haibo, CAO Menghua, WU Dingshan, YANG Lanfang, FANG Ding (3258)
- Effect of S/N ratio on N_2O reduction and accumulation during sulfide-driven autotrophic denitrification** ZHAO Qing, YANG Weiming, QIU Linqing, ZHANG Xin, MENG Liao, LYU Hui (3264)
- Reduction of antibiotic resistance genes in viable bacterial communities of sludge during ozonation treatment** TIAN Shaonan, TIAN Zhe, YANG Hong, YANG Min, ZHANG Yu (3271)
- Effect of carboxyl cleavage enzyme gene on ring cleavage of phenol by *Pseudomonas stutzeri* N2** CHEN Qi, NIE Maiqian, ZI Jing, CHEN Jun, QI Huixia, NIE Hongyun, WANG Yan (3279)
- Isolation, identification and degradation characteristics of decabromo diphenyl ethers (BDE-99)-degrading strain** ZHANG Ke, GUAN Yun, LUO Hongbing, CHEN Wei, CHEN Jia, GE Sang (3287)
- Isolation and characteristics of oil-degrading bacteria with biosurfactant production** DENG Zhenshan, MA Lin, ZHANG Xi, LI Peng, HE Xiaolong, Yang Bo (3295)
- Detection and optimization of typical odorous compounds in drinking water by purge/trap-GC/MS** MA Lan, ZENG Ning, SUN Xin, LIU Lingwei (3304)
- Development and application of embedded COD on-line monitoring instrument for wastewater** XIAO Jun, YANG Mengmeng, MIAO Zhenhua, YAO Yongnian (3312)
- Leak location using permanent leak detection system for HDPE geomembrane** LIU Ning, GEUTEBRÜCK Ernst, RAMSEY Boyd (3320)
- Application of set pair analysis model based on comprehensive weight in upgrading decision of sewage treatment plants** PENG Liang, LI Fanxun, GUO Xi (3327)
- Environmental health risk assessment of Wulie River based on stochastic simulation-normal fuzzy numbers** WANG Yue, AN Da, XI Beidou, ZHOU Lian, AN Zhimin, CHEN Xiaozhi, GAO Rutai (3334)