

《环境科学》第 21 卷 2000 总目录

第 1 期

太湖地区农田 NO 排放不连续测量最佳时间	郑循华, 王明星, 王跃思(1)
贵州省旱田土壤 N ₂ O 释放及其环境影响因素	徐文彬, 洪业汤, 陈旭晖, 王 羽(7)
新型低温 CuO/AC 脱硫剂制备—— 煅烧温度对脱硫活性的影响	刘守军, 刘振宇, 朱珍平, 牛宏贤, 胡天斗, 谢亚宁, 刘 涛(12)
聚合铝与有机高分子复合絮凝剂的絮凝性能及其吸附特性	石宝友, 汤鸿霄(18)
微生物絮凝剂的研制及其絮凝条件	黄民生, 孙 萍, 朱 莉(23)
憎水性污染物在表面活性剂溶液中的增溶动力学	董 亮, 戴树桂(27)
自固定化技术强化高效菌种活性的保持	吴立波, 王建龙, 刘 恒, 黄 霞, 钱 易(32)
DBD 降解 CF ₃ ClBr 过程中自由基与电子能量	王淑惠, 刘正超, 侯 健, 于 勇, 潘循哲, 侯惠奇(36)
O(¹ D) 与 CF ₃ Cl 的反应研究	于 勇, 孙卫明, 潘循哲, 侯惠奇(40)
气体生物滴滤池载体性能比较实验研究	羌 宁, 季学李, 顾国维(45)
粉煤流化床燃烧(PC-FBC) 中 SO ₂ 的生成特性	陈鸿伟, 付 松, 魏铁铮, 金保升, 徐益谦(49)
长江下游氮、磷含量变化及其输送量的估计	段水旺, 章 申, 陈喜保, 张秀梅, 王立军, 晏维金(53)
莱州湾南岸平原浅埋古河道带及冲洪积扇地下水水环境	赵明华, 姜爱霞, 韩 美, 李道高(57)
不同菌源的微生物对邻苯二甲酸二乙酯生物降解性的比较	曾 锋, 傅家谟, 盛国英, 杨惠芳(62)
阿魏酸、对羟基苯甲酸对土壤中氮矿化的影响	王 威, 祝心如, 吴 萼, 马瑞霞, 刘秀芬(66)
放射性核素在饱和浙江红粘土中的迁移	白庆中, 聂永丰, 李国鼎(71)
模拟酸雨对南方土壤硅铝释放的影响	董汉英, 仇荣亮, 吕越娜(75)
土壤理化条件变化对含硫气体释放的影响	乔维川, 席淑琪, 张晋华, 杨 震(78)
甲基汞的大气-水-土壤界面交换通量	李华斌, 王文华, 彭 安(81)
表面活性剂清洗法在污染土壤修复中的应用	高士祥, 高松亭, 韩朔睽, 王连生(84)
抗氧化剂对扁藻久效磷毒害的抑制效应	唐学玺, 李永祺(87)
染料酸性橙II 生产废水处理工艺	陈仕华, 祝万鹏, 苍 郁, 李中和, 杨志华, 胡文庆(90)
厌氧折流板反应器对有毒有机物冲击负荷的适应性	戴友芝, 冀静平, 施汉昌, 钱 易(94)
总程平衡治理技术处理饮料废水工艺	吴 玉, 刘宁川, 田 刚, 申立贤(98)
包气带中造纸废水 COD 天然生物降解作用	曹文炳, 段保需, 张 诚(102)
活性污泥处理系统耐含盐废水冲击负荷性能	冯叶成, 占新民, 文湘华, 王建龙, 孔 惠, 钱 易(106)
我国山岭公路汽车 CO、HCs 和 NO _x 排放系数	邓顺熙, 董小林(109)

第 2 期

外生菌根对欧洲赤松苗(<i>Pinus sylvestris</i>) Cu、Zn 积累和分配的影响	黄 艺, 陶 澍, 陈有鑑, 张学青(1)
富氧条件下在 Ag/A l ₂ O ₃ 催化剂上 C ₃ H ₆ 选择性还原 NO	朱天乐, 黎维彬, 郝吉明(7)
应用 DNDC 模型估算区域农业土壤 N ₂ O 释放通量和释放量—— 以贵州省为例	徐文彬, 洪业汤, 陈旭晖, Li Changsheng, 林庆华, 王 羽(11)
长江上游水质与产业密度关系数学模型	苏春江, 何锦峰, 陈国阶(16)
柴达木盆地水资源承载力研究	李丽娟, 郭怀成, 陈 冰, 孙海林(20)
分置式膜-生物反应器处理生活污水及其体积负荷的确定	孟耀斌, 文湘华, 邢伟宏, 钱易(24)
西湖底泥对水中苯胺、苯酚的吸附性能及机理	朱利中, 徐 霞, 胡 松, 邹忠利, 鲍卫民, 陈宝梁(28)
无机离子 SO ₄ ²⁻ 对小麦幼苗积累稀土的影响	顾志忙, 曹心德, 王 宁, 王晓蓉, 戴乐美(32)
田间增强 UV-B 辐射对麦田生态系统 Fe 营养和累积的影响	李 元, 王勋陵, 胡之德(36)
含五氯酚废水的生物降解性和微生物毒性试验	戴友芝, 施汉昌, 冀静平, 钱 易(40)
聚硅氯化铝(PASC) 混凝剂的混凝性能	高宝玉, 岳钦艳, 王占生, 汤鸿霄(46)

脉冲放电脱硫产物的收集 姜雨泽, 吴 彦, 王宁会, 逯明福(50)

变速循环流化床烟气脱硫实验和机理分析 吴颖海, 张建平, 黄 震, 冯 斌, 李大骥(54)

一体式膜-生物反应器长期运行中的膜污染控制 刘 锐, 黄 霞, 汪诚文, 钱 易, 张苗苗(58)

Cu 污染土壤-水稻系统中 Cu 的分布特征 胡正义, 沈 宏, 曹志洪(62)

固相萃取技术预富集环境水样中邻苯二甲酸酯 戴树桂, 张东梅, 张仁江, 张 林, 金珊珊(66)

垃圾填埋场空气中微量挥发性有机污染物的分析 邹世春, 郭洪中, 张淑娟, 张展霞, 王新明, 盛国英, 傅家谟(70)

生物法处理丙烯腈废气的初步研究 王德民, 赵一先, 修光利, 李定邦, 潘金芳, 黄雪娟, 张大年(74)

降水中汞及其它元素来源的识别分析 刘俊华, 王文华, 彭 安(77)

半推流式活性污泥系统反应动力学分析 田 刚(81)

膜生物反应器处理丙烯腈废水试验 杨 琦, 文湘华, 孟耀斌, 钱 易(85)

超声技术降解酸性红 B 废水 华 彬, 陆永生, 唐春燕, 卞华松, 胡兴龙(88)

悬浮填料浮动床石化废水处理初步研究 夏四清, 王学江, 高廷耀, 周增炎, 孙 华(91)

凝聚和生化一体化反应器处理纸浆漂白废水 陈元彩, 肖 锦, 詹怀宇(94)

农田生态系统管理与非点源污染控制 陈利顶, 傅伯杰(98)

堆肥系统的通风控制方式 魏源送, 樊耀波, 王敏健, 王菊思(101)

发动机的绿色化学设计 李生华, 金元生, 陈大融(105)

将 ISO14000 纳入建设项目环境保护管理程序 李海生, 王辉民, 杜慧蕴, 薛祥中(110)

第 3 期

臭氧对水稻叶片膜脂过氧化和抗氧化系统的影响 金明红, 冯宗炜, 张福珠(1)

半干旱草原地-温室气体交换速率测定 王跃思, 纪宝明, 王艳芬, 张 文, 刘广仁, 杜 睿, 骆冬梅(6)

大气环境质量评价的未确知测度模型 刘开第, 庞彦军, 姚立根, 李 亚(11)

柴达木盆地水资源承载方案系统分析 陈 冰, 李丽娟, 郭怀成, 孙海林(16)

食品污染综合评价的模糊数学方法 周泽义, 樊耀波, 王敏健(22)

综合产品环境审计工具: 生命周期清单分析 王寿兵, 胡 聃, 杨建新(27)

工程方案选择的权重-属性决策分析方法 程声通, 高 朗(31)

两相消化系统产酸相酸化特性模型 管运涛, 蒋展鹏(36)

单级生物脱氮的特性研究 曹国民, 赵庆祥, 龚剑丽, 张 彤(40)

高丙体六六六在辽河沉积物中的缺氧降解动力学 贾青竹, 全 璧, 陈 硕, 陈景文, 薛大明, 赵雅芝(44)

污水土地处理水旱轮作条件下磷素在土层中迁移特征的模拟试验 刘忠翰, 彭江燕(48)

污染谷物中重金属的分布及加工过程的影响 查 燕, 杨居荣, 刘 虹, 何孟常(52)

内蒙高腐殖酸地下水中碘的分布特征与 IDD 病的关系 余孝颖(56)

低温等离子体降解哈隆类物质中的竞争反应 于 勇, 王淑惠, 潘循哲, 侯惠奇(60)

提供生物稳定饮用水的最佳工艺 吴红伟, 刘文君, 张淑琪, 王占生(64)

北京市机动车污染物排放特征 傅立新, 郝吉明, 何东全, 贺克斌(68)

TiO₂ 陶瓷光催化剂制备与催化活性 胡 春, 王怡中(71)

固定化皮氏伯克霍而德氏菌降解喹啉的研究 全向春, 韩力平, 王建龙, 施汉昌, 钱 易(74)

催化湿式氧化处理 H₂-酸溶液的反应动力学 宾月景, 祝万鹏, 蒋展鹏, 殷 彤(77)

处理城市污水的多功能混合菌研究 贾省芬, 杨彦希, 黄志勇, 杨惠芳(81)

利用稻谷壳水解液在气升式生物反应器中发酵生产单细胞蛋白 郑裕国, 陈小龙, 汪 钊, 钱俊青, 吕一锋, 钱静杰(85)

改性土壤对模拟含油废水中油的吸附 高 斌, 王晓蓉, 章 敏, 黄 华, 杨柳燕(89)

Fenton 试剂处理废水中各影响因子的作用机制 陈传好, 谢 波, 任 源, 吴超飞, 韦朝海(93)

处理啤酒洗糟废水同时生产单细胞蛋白 张永明, 俞俊棠, 王建龙(97)

使用毛细管离子分析仪对水中有机、无机阴离子的同时测定 田春荣, 王怡中, 胡 春(100)

释放的¹⁴C-绿黄隆结合残留物的衍生化及鉴定 郭江峰, 孙锦荷, 平霄飞, 叶庆富(104)

淀粉聚乙烯膜在受控条件下的好氧生物降解 郑连爽, 杜予民, 张甲耀(107)

金矿废水中氰化物的自然降解及其环境影响 李社红, 郑宝山(110)

第 4 期

遥感与 GIS 在河流水质环境背景分析中的应用——以台湾基隆河为例 许 珺, 傅肃性, 黄 绚(1)

铜在鲤鱼(*Cyp rinus car pio*) 鱼鳃微环境中的形态分布 龙爱民, 陶 澍, 刘长发(6)

应用径向基函数网络预测有机化合物的生物活性 戴 勇, 卢 颖, 张爱茜, 韩朔睽(11)

估算多氯联苯在鱼体内生物富集因子的分子连接性指数模型 胡海瑛, 陶 澍, 卢晓霞, 刁晓环(16)

新亚欧大陆桥新疆段环境灾害的灰色拓扑预测 杨思全, 陈亚宁(21)

粉煤灰-石灰中温烟气脱硫和蒸汽活化的机理 时黎明, 徐旭常, 祁海鹰, 由长福, 陈昌和(25)

臭氧组合工艺去除饮用水源水中有机物的效果 吴红伟, 刘文君, 王占生(29)

负载钨纤维吸附剂对氟离子的吸附性能 刘瑞露, 汤鸿霄(34)

华南地区土壤中不同结合态腐殖质的三卤甲烷生成潜能 李适宇, 仇荣亮, 杨秀虹, 林惠娜(38)

阴-阳离子有机膨润土吸附水中苯胺、苯酚的性能 朱利中, 王 晴, 陈宝梁(42)

可膨胀性层状粘土矿物对铜离子吸附机理的模拟研究 何宏平, 郭九皋, 谢先德(47)

两相厌氧膜-生物系统处理造纸废水 管运涛, 蒋展鹏, 祝万鹏, 金 鹏(52)

CLT 酸废母液资源化萃取工艺 唐红萍, 李中和, 杨淑芳, 祝万鹏, 杨志华(57)

石油污染包气带中降解微生物的分布特性 李广贺, 张 旭, 黄 巍(61)

焦化废水专用混凝剂对污染物的去除效果与规律 卢建杭, 王红斌, 刘维屏, 刘其国(65)

利用 EIA 生物测试法快速定量筛选环境样品中的二噁英污染物 黎 雯, 徐 盈, 吴文忠, K. -W. Schramm, A Ketttrup(69)

大气污染物垂直梯度自动监测系统的研制 谢绍东, 张远航, 邵可声, 唐孝炎(73)

空调冷却塔水与空气军团菌的 PCR 方法快速检测 陈维田, J. Burnett, 陆勇军, 邓栢澧, 周世宁(78)

有机污染物湿式氧化降解中 Cu 系列催化剂的稳定性 谭亚军, 蒋展鹏, 祝万鹏, 骆武山(82)

几种氯代苯甲酸的生物可降解性及其动力学 王世明, 施汉昌, 钱 易(86)

含硫芳香族化合物降解酶的定域及胞内产物的鉴定 张承东, 张爱茜, 韩朔睽, 王连生(90)

除草剂莠去津(atrazine) 在土壤-水环境中的吸附及其机理 杨炜春, 王琪全, 刘维屏(94)

半推流式活性污泥系统工程应用特点分析 田 刚, 刘宁川, 李红兵, 李静萍(98)

吹脱技术净化石油污染地下水实验 金 彪, 李广贺, 张 旭(102)

COD/SO₄²⁻ 值对硫酸盐还原率的影响 崔高峰, 柯建明, 王凯军(106)

Cd²⁺、Cu²⁺ 和 Zn²⁺ 对人工湿地反硝化作用的影响 黄正, K. Sakadeven, J. Bavor(110)

第 5 期

华南南亚热带不同演替阶段植被的环境效应 管东生, M. R. Peart(1)

蛋白质加合物作为分子生物标志物的分析研究 刘淑芬, 方清明, 金祖亮, S. M. Rappaport(6)

缓释铜离子法去除海洋原甲藻赤潮生物的研究 尹平河, 赵玲, 李坤平, 齐雨藻, 冯德雄, 白 燕(12)

倾角和循环流量对平板型光催化反应器性能的影响 张彭义, 余 刚, 蒋展鹏(17)

分置式膜-生物反应器处理生活污水的抗冲击负荷能力 孟耀斌, 文湘华, 钱易, 邢传宏(22)

CuO/AC 脱硫剂的还原再生 刘守军, 刘振宇, 牛宏贤, 朱珍平(27)

不同质地土壤对填埋场渗滤液的吸收净化效能 姜必亮, 王伯荪, 蓝崇钰, 林里(32)

黔中岩溶地区草地土壤 CO₂ 的稳定碳同位素组成 郑乐平, 欧阳自远, 张晓岚, 王世杰, 黎廷宇, 万国江, 曾世文(38)

降水中汞的赋存形态 刘俊华, 王文华, 彭 安(42)

一体式膜-生物反应器的水动力学特性 刘 锐, 黄 霞, 王志强, 钱 易(47)

消毒副产物中的氯原子对其分子描述符的影响 蒋展鹏, 杨宏伟, 管运涛, W. Z. Tang, A. J. Pierotti(51)

不同活性组分催化剂的氧化活性和热稳定性 杨竹仙, 陈晓银, 刘 勇, 卞麦英, 何阿弟, 牛国兴(55)

珠穆朗玛峰绒布河源区河水化学特性 刘腊山, 任贾文, 秦大河(59)

有机物对重金属在粘土中吸附行为的影响 白庆中, 宋燕光, 王 晖(64)

粉煤灰浆中碳酸钙沉淀反应动力学 刘绍银, 郝吉明(68)

生物沸石反应器在微污染水源水处理中的应用 李德生, 黄晓东, 王占生(71)

p204-煤油萃取剂的生物降解性 冯旭东, 林 屹, 瞿福平, 戴猷元(74)

有机微污染源水生物预处理微生物菌种的分离筛选 瞿晓萌, 李道棠(77)

介质阻挡放电等离子体直接分解 NO_x 的影响因素 刘 彤, 宋志民, 石 川, 杨学锋(80)

青岛沿海大气气溶胶中海盐源的贡献 王 珉, 胡 敏(83)

化学工程固沙在塔里木沙漠公路沙害防治中的适宜性 韩致文, 胡英娣, 陈广庭, 姚正义, 邵国胜(86)

醛类化合物分子结构与对鼠急性毒性关系 唐桂刚, 白乃彬(89)

土壤中 3, 4-二氯苯胺降解动力学及其生态毒性 蒋 新, 周建民, P. Müller(94)

表面活性剂改进活性污泥的脱水性能及其作用机理 陈银广, 杨海真, 吴桂标, 顾国维(97)

活性炭纤维去除水中有机微污染物的效果 孙治荣, 范延臻, 李 军, 王宝贞(101)

中国生态环境的新特点及其对策 傅伯杰, 陈利顶, 于秀波(104)

战略环境评价(SEA) 及其研究进展 马蔚纯, 林健枝, 陈立民, 余澍滨(107)

第 6 期

城市道路交通噪声预测理论-统计模型 李本纲, 陶 澍, 曹 军, 徐福留(1)

应用大气扩散模型进行区域稻田甲烷源强估算 刘建国, 张远航, 邵可声, 陆思华, 王振远, Sjaak Slanina, Hugo A. C., Denier van der Gon(6)

基于遗传算法的 PLS 分析在 QSAR 研究中的应用 张大仁, 赵立新(11)

不同植被覆盖度对流域氮素径流流失的影响 张兴昌, 刘国彬, 付会芳(16)

掺杂 La 或 Si 对 Ag/Al₂O₃ 催化剂热稳定性和脱 NO 活性的影响 朱天乐, 郝吉明, 周中平, 李 继(20)

Ni²⁺ 改性的 Cu-ZSM-5 催化分解 NO 的性能 石 川, 宋志民, 付 迎, 杨学锋(24)

稀土元素镧对红壤微生物区系的影响 褚海燕, 李振高, 谢祖彬, 朱建国, 曹志洪(28)

土壤中氯苯类化合物的迁移行为 胡 泉, 胡永梅, 樊耀波, 王敏健(32)

水稻土中甲硫氨酸分解释放挥发性含硫气体的影响因素 张晋华, 周志翰, 聂亚峰, 张建发, 席淑琪, 杨 震(37)

核分离-滤膜洗脱技术同时检测植物 DNA SSB 与 DSB 刘 晓, 赵玉芳, 凌备备(42)

附载二氧化钛光催化降解水中对氯苯胺(PCA) 冷文华, 张 莉, 成少安, 张鉴清, 曹楚南(46)

时间温度联合控制的强制通风污泥堆肥技术 徐 红, 樊耀波, 贾智萍, 李艳霞, 王敏健(51)

新型人合成膨润土防渗卷材的研制及其渗透性能 白庆中, 刘阳生, 李 强, 李成麟, 聂永丰(56)

蓟运河流域地表水质时空变化特征分析 陈利顶, 李俊然, 郭旭东, 傅伯杰, 李广清(61)

应用遥感技术监测和评价太湖水质状况 王学军, 马 廷(65)

某金矿氰化物灾害性排放的环境影响预测 李杜红, 郑宝山(69)

城市污水深度处理中有机物的去除 全贵婵, 叶裕才, 云桂春, 金光宇(73)

城市污水水解-厌氧-微氧联合处理工艺 孙艳玲, 杜 兵, 司亚安, 申立贤(77)

海藻酸钠固定化包埋微生物处理有机微污染源水 瞿晓萌, 李道棠(80)

废轮胎的热解及其产物分析 刘阳生, 白庆中, 李迎霞, 聂永丰(85)

泥浆体系中受喹啉污染土壤的生物修复 韩力平, 王建龙, 刘 恒, 施汉昌, 钱 易(84)

土壤中苯氧羧酸类除草剂的降解动态 苏允兰, 莫汉宏, 安凤春(92)

基于 GIS 的北京市机动车污染数据库的开发和应用 唐嘉平, 傅立新, 郝吉明, 吴烨, 贺克斌(95)

羟基聚合氯化铝铁溶液的形态转化规律 胡勇有, 涂传青, 高健, 黄瑞敏(98)

北京氨源排放及其对二次粒子生成的影响 彭应登, 杨明珍, 申立贤(101)

INDEX HUANJING KEXUE CONTENTS 2000, Vol 21

Number 1

Diurnal Variation of NO Emission from an Ecosystem and the Optimum Observation Time for Intermin-
tent Flux Measurement Zheng Xunhua, Wang Mingxing, Wang Yuesi(1)

N₂O Emission from Upland Soils in Guizhou and Its Environmental Controlling Factors
..... Xu Wenbin, Hong Yetang, Chen Xuhui, Wang Yu (7)

Preparation of CuO / AC Sorbents for Flue Gas SO_x Removal —— Effect of Calcination Temperature on
De SO_x Activity Shoujun Liu, Zhenyu Liu, Zhenping Zhu, Tiandou Hu et al. (12)

The Coagulating Behaviors and Adsorption Properties of Polyalumimum - Organic Polymer Composites
..... Shi Baoyou, Tang Hongxiao (18)

Production and Coagulating Condition Research of Microbial Flocculants Huang Minsheng, Sun Ping, Zhu Li (23)

The Kinetics of Hydrophobic Pollutants Solubilization into Surfactant Solution Dong Liang, Dai Shugui (27)

Keeping Degradative Ability of Dominant Species with Self-immobilization Process
..... Wu Libo, Wang Jianlong, Liu Heng, Huang Xia et al. (32)

Radicals and Electron Energy in the Decomposition Progress of CF₂ClBr by Dielectric Barrier Discharge
Method Wang Shuhui, Liu Zhengchao, Hou Jian, Hou Huiqiet al. (36)

A Study on O(¹D) and CF₃Cl Reaction Yu Yong, Sun Weiming, Pan Xunxi, Hou Huiqi (40)

Experimental Evaluation of the Packing Media for Biotrickling Filters Qiang Ning, Ji Xueli, Gu Guowei (45)

SO₂ Production Characteristics in Pulverized Coal Fluidized Bed combustion
..... Chen Hongwei, Fu Song, Wei Tiezheng, Jin Baosheng et al. (49)

Concentrations of Nitrogen and Phosphorus and Nutrient Transport to Estuary of the Yangtze River
..... Duan Shuiwang, Zhang Shen, Chen Xibao, Zhang Xiumei et al. (53)

The Groundwater Environment of the Shallow - buried Paleochannel Zones and the Alluvial - diluvial Fans
on the South Coast Plain of Laizhou Bay Zhao Minghua, Jiang Aixia, Han Mei, Li Daogao (57)

The Comparative Study on Biodegradability of Diethyl Phthalate by Microorganisms from Different Sources
..... Zeng Feng, Fu Jiamo, Sheng Guoying, Yang Huifang (62)

The Influence of Ferulic Acid and p-Hydroxybenzoic Acid on Nitrogen Mineralization in Soil
..... Wei Wang, Xinru Zhu, E Wu, Ruixia Ma et al. (66)

Radioactive Nuclide Migration Experiment in Saturated Zhejiang Red Clay... Bai Qingzhong, Nie Yongfeng, Li Guoding (71)

Releasing of S²⁺ and Al³⁺ under Simulated Acid Rain in South China Dong Hanying, Qiu Rongliang, Lu Yuena (75)

The Influences of Physico-chemical Factors on the Emission of Volatile Sulfur Gases from Soil
..... Qiao Weichuan, Xi Shuqi, Zhang Jihua, Yang Zhen (78)

Fluxes of Methylmercury Exchange at the Air-Water-Soil Interface Li Huabin, Wang Wenhua, Peng An (81)

Application of Surfactant Elution Method in Remediation of Contaminated Soil with Aromatic Compounds
..... Gao Shixiang, Gao Songting, Han Shuokui, Wang Liansheng (84)

Inhibition of Antioxidants on Monocrotophos Damage to *Platymonas* sp Tang Xuexi, Li Yongqi (87)

Extraction and Stripping of Acid Orange II Wastewater Chen Shihua, Zhu Wangpeng, Cang Yu, Li Zhonghe et al. (90)

Adaptability of Anaerobic Baffled Reactor to Shock Load of Toxic Organic Compound
..... Dai Youzhi, Ji Jingping, Shi Hanchang, Qian Yi (94)

Assembly Balancing Technology for Beverage Wastewater Treatment
..... Wu Yu, Liu Ningchuan, Tian Gang, Shen Lixian (98)

Natural Biodegradation for COD of Paper Mill Wastewater in Unsaturated Zone
..... Cao Wenbing, Duan Baoxu, Zhang Cheng (102)

Effects of Shock Salinity Loading on Activated Sludge Treatment System
..... Feng Yecheng, Zhan Xinmin, Wen Xianghua, Wang Jianlong et al. (106)

Study on Emission Factors of CO, HCs and NO_x from Mountainous Roadway in China ... Deng Shunxi, Dong Xiaoling (109)

Number 2

Accumulation and Distribution of Cu and Zn in Mycorrhizal *Pinus sylvestris* and Its Associated Ectomycorrhizal Fungus
Suillus bovinus Exposed to Elevated Cu and Zn Concentrations in Cultivating Substrate Yi Huang, Shu Tao, Youjian Chen, Xueqing Zhang (1)

Selective Catalytic Reduction of Nitric Oxide with Propene over Ag/A₂O₃ Zhu Tianle, Li Wein, Hao Jiming (7)

DNDC Model Estimates of N₂O Emission from Regional Agricultural Soils——A Guizhou Province Case
Study Xu Wenbin, Hong Yetang, Chen Xuhui, Li Changsheng et al. (11)

The Model of Relationship between Water Quality and Industry Density at Upper Reaches of Yangtze
River(Sichuan Province) Su Chunjiang, He Jinfeng, Chen Guojie (16)

Water Resource Supporting Capacity of Chaidamu Basin Li Lijuan, Guo Huaicheng, Chen Bing, Sun Hailin (20)

Recirculated Membrane Bio-Reactor for Domestic Wastewater Treatment and Its Volumetric Loading Rate
Determination Meng Yaobin, Wen Xianghua, Xing Chuanhong, Qian Yi (24)

Adsorption and Partition of Aniline and Phenol on West Lake's Sediments Zhu Lizhong, Xu Xia, Hu Song, Zou Zhongli et al. (28)

Influence of SO₄²⁻ on the Bioaccumulation of Rare Earth Elements in Wheat Seedling Gu Zhimang, Cao Xinde, Wang Ning, Wang Xiaorong et al. (32)

Effects of Enhanced UV-B Radiation on Nutrients and Accumulation of Fe of Wheat Field Ecosystem Li Yuan, Wang Xunling, Hu Zhide (36)

Experiment of Anaerobic Biodegradability and Toxicity of Pentachlorophenol Dai Youzhi, Shi Hanchang, Ji Jingping, Qian Yi (40)

The Coagulating Property of Polyaluminum Silicate Chloride(PASC) Gao Baoyu, Yue Qinyan, Wang Zhansheng, Tang Hongxiao (46)

Collection of DeSO₂ Products with Pulsed Corona Discharge Jiang Yuze, Wu Yan, Wang Ninghui, Lu Mingfu (50)

Experimental Researches of Flue Gas Desulfurization on Circulation Fluidized Bed with Variable Velocities and Mechanism Analysis Wu Yinghai, Zhang Jianping, Huang Zhen, Feng Bin et al. (54)

Membrane Fouling Control in an Integrated Membrane-Bioreactor Liu Rui, Huang Xia, Wang Chengwen, Qian Yi et al. (58)

Distribution of Cu in Soil-Crop System Polluted by Cu Zhengyi Hu, Hong Shen, Zhihong Cao (62)

Isolation of Phthalate Esters in Aquatic Samples by C₁₈ Bonded-Phase Extraction Column Dai Shugui, Zhang Dongmei, Zhang Renjiang, Zhang Lin et al. (66)

Determination of Trace Volatile Organic Compounds from a Landfill Gas Zou Shichun, Guo Hongzhong, Wang Xinming, Sheng Guoying et al. (70)

Study on Treatment of Waste Gas Acrylonitrile-Containing by Biodegradation Wang Demin, Zhao Yixian, Xiu Guangli, Li Dinbang et al. (74)

The Source of Mercury in Rainfall in Beijing Liu Junhua, Wang Wenhua, Peng An (77)

Kinetic Analysis for the Semi-Plug Flow Reactor Activated Sludge System Tian Gang (81)

Treatment of Propenylcyanide Waste Water by Using Membrane Hybrid Bioreactor Yang Qi, Wen Xianghua, Meng Yaobin, Qian Yi (85)

Studies on the Sonolysis of Acid Red Dye Wastewater Hua Bin, Lu Yongsheng, Tang Chunyan, Bian Huasong et al. (88)

Preliminary Study on Petrochemical Wastewater Treatment Using A Suspended Packing Bed Xia Siqing, Wang Xuejiang, Gao Tingyao, Zhou Zengyan et al. (91)

Treatment of Pulp CEH Bleaching Effluents with the Flocculation-biochemical Reactor Chen Yuancai, Xiao Jin, Zhan Huaiyu (94)

Farm Ecosystem Management and Control of Nonpoint Source Pollution Chen Liding, Fu Bojie (98)

Control Modes of Aeration for Composting Systems Yuansong Wei, Yaobo Fan, Minjian Wang, Jusi Wang (101)

Green Chemistry Design of Automotive Engines Li Shenghua, Jin Yuansheng, Chen Darong (105)

Introduce ISO14000 into the Environmental Management Program of China Construction Projects Li Haisheng, Wang Huimin, Du Yunhui, Xue Xiangzhong (110)

Number 3

Effects of Ozone on Membrane Lipid Peroxidation and Antioxidant System of Rice Leaves Jin Minghong, Feng Zongwei, Zhang Fuzhu (1)

Measurement of the Exchange Rate of Greenhouse Gases between Field and Atmosphere in Semi - Arid Grassland Wangd Yuesi, Ji Baoming, Wang Yanfen, Zhang Wen et al. (6)

The Unascertained Measure Model of the Synthetical Evaluation on Atmosphere Environmental Qualities Liu Kaidi, Pang Yanjun, Yao Ligen, Li Ya (11)

System Analysis on Water Resources Supporting Alternatives for Chaidamu Basin Chen Bing, Li Lijuan, Guo Huaicheng, Sun Huilin (16)

Fuzzing Mathematics Method in the Comprehensive Assessment of Food Contamination Zhou Zeyi, Fan Yaobo, Wang Minjian (22)

A Comprehensive Environmental Auditing Tool of Products: Life Cycle Inventory Wang Shoubing, Hu Dan, Yang Jianxin (27)

Weighting-Attribute Analysis for Engineering Option Selection Cheng Shengtong, Gao Lang (31)

Acidification Characteristics of Acidifying Phase in Two-phase Digestion System Guan Yuntao, Jiang Zhanpeng (36)

Characterization of Single-Stage Bionitrification Guomin Cao, Qingxiang Zhao, Jianli Gong, Tong Zhang (40)

Kinetics of Anaerobic Degradation of Lindane in Liaohe River Sediment Jia Qingzhu, Quan Xie, Chen Shuo, Chen Jingwen et al. (44)

Removal Characteristics of Phosphorus Element in Soil Horizon under Water-Dry Cultivation of Wastewater

Land Treatment Liu Zhonghan, Peng Jiangyan (48)

Distribution of Heavy Metals in Polluted Crops Seeds and the Effect of Heavy Metals in the Food Processing Zha Yan, Yang Jurong, Liu Hong, He Mengchang (52)

Distribution Characteristics of Iodine in Humic Acid - High Underground Water in Inner Mongolia and Their Relations to Iodine Defect Disease Yu Xiaoying (56)

The Competitive Reaction in the Degradation Process of Gaseous Halogens by Cold Plasma Method Yu Yong, Wang Shuhui, Pan Xunxi, Hou Huiqi (60)

The Optimal Process Providing Biologically Stable Drinking Water Wu Hongwei, Liu Wenjun, Zhang Shuqi, Wang Zhansheng (64)

The Emission Characteristics of Pollutants from Motor Vehicles in Beijing Fu Lixin, Hao Jiming, He Dongquan, He Kebin (68)

Preparation of Titania Ceramics Photocatalyst for Destruction of Contaminants Hu Chun, Wang Yizhong (71)

Biodegradation of Quinoline by Immobilized *Burkholderia pickettii* sp. Quan Xiangchun, Han Liping, Wang Jianlong, Shi Hanchang et al. (74)

Reaction Kinetic of the Catalytic Wet Air Oxidation Treatment of H⁺-acid Solution Bin Yuejing, Zhu Wanpeng, Jiang Zhanpeng, Yin Tong (77)

Study on Multiple Functional Mixed Microbes for Treating Municipal Sewage Jia Shengfen, Yang Yanxi, Huang Zhiyong, Yang Hui Fang (81)

Production of Single-cell Protein from Hydrolysate of Rice Hull in External-loop Airlift Bioreactors Zheng Yuguo, Chen Xiaolong, Wang Zhao, Lu Yifeng et al. (85)

Sorption of Oil in Simulated Oil Polluted Water by Modified Soils Gao Bin, Wang Xiaorong, Zhang Ming, Huang Hua, Yang Liuyan (89)

The Mechanisms of Affecting Factors in Treating Wastewater by Fenton Reagent Chuanhao Chen, Bo Xie, Yuan Ren, Chaohai Wei et al. (93)

Treatment of Wastewater from Grains Washing and Simultaneously Cultivating *Candida tropicalis* as Single Cell Protein Zhang Yongmin, Yu Juntang, Wang Jianlong (97)

Simultaneous Analysis of Organic and Inorganic Anions by Capillary Ion Analyzer Tian Chunrong, Wang Yizhong, Hu Chun (100)

Derivatization and Identification of Released ¹⁴C-chlorosulfuron Bound Residues Guo Jiangfeng, Sun Jinhe, Ping Xianfei, Ye Qingfu (104)

Aerobic Biodegradation of Starch-containing Films under Controlled Conditions Lianshuang Zheng, Yumin Du, Jiayao Zhang (107)

Natural Degradation and Environmental Impact of Cyanide from a Goldmine Li Shehong, Zheng Baoshan (110)

Number 4

Application of Remote Sensing and GIS in Environment Background of Water Quality Analysis
—— A Case Study in Jilong River, Taiwan Xu Jun, Fu Suxing, Huang Xuan (1)

Copper Speciation in the Gill Microenvironment of *Cyprinus carpio* Long Aimin, Tao Shu, Liu Changfa (6)

Predicting of Bioactivity of Organic Compounds by a Neural Network Based on Radial Basis Functions Dai Yong, Lu Ying, Zhang Aiqian, Han Shuokui (11)

Molecular Connectivity Index Method for Predicting BCF of PCBs in Fish Hu Haiying, Tao Shu, Lu Xiaoxia, Xi Xiaohuan (16)

Topological Forecast of Environmental Hazards in Xinjiang Line of New Eurasian Continental Bridge Yang Siqian, Chen Yaning (21)

Mechanism of FGD under Medium Temperature and Steam Activation of Fly Ash-lime Liming Shi, Xuchang Xu, Haiying Qi, Changhe Chen et al. (25)

Removal of Organic Matters from Drinking Water Source by Ozone-Combined Processes Wu Hongwei, Liu Wenjun, Wang Zhansheng (29)

Adsorptive Properties of Fluoride Ion on Lanthanum-loaded Fibrous Sorbent Liu Ruixia, Tang Hongxiao (34)

Trihalomethane Formation Potential (THMP) of Various Combined Humus of Soils in South China Li Shiyu, Qiu Rongliang, Yang Xiuhong, Lin Huina (38)

Sorption of Aniline and Phenol to Anion-cation Organobentonites from Water Zhu Lizhong, Wang Qing, Chen Baoliang (42)

Adsorption Mechanism of Expandable Layered Clay Minerals to Copper Ion He Hongping, Guo Jiugao, Xie Xiande (47)

Two-phase Anaerobic Membrane Biosystem for Treatment of Papermill Wastewater Guan Yuntao, Jiang Zhanpeng, Zhu Wanpeng, Jin Peng (52)

Extraction Technology for CLT-Acid Recovery Tang Hongping, Li Zhonghe, Yang Shufang, Zhu Wanpeng et al. (57)

Characteristics of Degrading Microorganism Distribution in Polluted Soil with Petroleum Hydrocarbons

..... Guanghe Li, Xu Zhang, Wei Huang (61)

Removal Efficiency and Trends of Pollutants in Coking-plant Wastewater by Specific Coagulant Lu Jianhang, Wang Hongbin, Liu Weiping, Liu Qiguo (65)

A New Enzyme Immunoassay for TEQ Screening of Dioxin/Furan in Environmental Samples Li Wen, Xu Ying, Wu Wenzhong et al. (69)

Development of Automatic Monitoring System of Vertical Gradients for Air Pollutant Xie Shaodong, Zhang Yuanhang, Shao Kesheng, Tang Xiaoyan (73)

Rapid Detection of *Legionella* in cooling Tower Water and Air with Different PCR Methods Chan Daniel, Burnett John, Lu Yongjun, Tang Park L. et al. (78)

Stability of Copper Catalyst for the Wet Air Oxidation of the Organic Pollutants Tan Yajun, Jiang Zhanpeng, Zhu Wanpeng, Luo Wushan (82)

The Biodegradability of Chlorobenzoic Acids and Their Degrading Kinetics Wang Shiming, Shi Hanchang, Qian Yi (86)

Localization of Degradation Enzyme in *Pseudomonas* sp. for an Aromatic Sulfur - Containing Compound and Identification of Products in Cells Zhang Chengdong, Zhang Aiqian, Han Shuokui, Wang Liansheng (90)

Adsorption of Herbicide Atrazine on Soils Yang Weichun, Wang Qiquan, Liu Weiping (94)

Application Characteristics for the Semi-Plug Flow Reactor Activated Sludge System Tian Gang, Liu Ningchuan, Li Hongbing, Li Jingping (98)

Air Stripping Technique of Purifying Groundwater Polluted by Petroleum Hydrocarbon Jin Biao, Li Guanghe, Zhang Xu (102)

Effects of COD and SO_4^{2-} Ratio to Sulfate Reducing Rate Cui Gaofeng, Ke Jianming, Wang Kaijun (106)

Cd^{2+} , Cu^{2+} , and Zn^{2+} Influence on Denitrification in Constructed Wetland Huang Zheng, K. Sakadevan, J. Bavor (110)

Number 5

Environmental Effects of the Succession Vegetation of Lower Subtropical Zone in Southern China Guan Dongsheng, M. R. Peart (1)

Investigation of Protein Adducts as A Molecular Biomarker for Human Exposed to Pollutants Liu Shufen, Fang Qingming, Jin Zuliang, S. M. Rappaport (6)

Removal of Red Tide Algae by A Slow Releasing Copper Ions Algacide Pinghe Yin, Ling Zhao, Kunping Li, Yuzao Qiet al. (12)

The Influence of the Inclined Angle and Circulating Flow Rate on the Performance of Flat - plate Type Photocatalytic Reactor Zhang Pengyi, Yu Gang, Jiang Zhanpeng (17)

The Anti - Shock Loading Capability of Recirculated Membrane Bio - Reactor for Domestic Wastewater Treatment Meng Yaobin, Wen Xianghua, Qian Yi, Xing Chuanhong (22)

Regeneration of CuO/AC Desulphurizer Shoujun Liu, Zhengyu Liu, Hongxian Niu, Zhenpeng Zhu (27)

The Purification Potentials of Different Soil with Different Depths to Leachate from Li Keng Landfill in Guangzhou City Jiang Biliang, Wang Baisun, Lan Chongyu, Lin Li (32)

The Stable Carbon Isotopic Composition of Soil CO_2 in the Karst Meadow, the Middle Parts of Guizhou Province Zheng Leping, Ouyang Ziyuan, Zhang Xiaolan, Wang Shijie et al. (38)

Mercury Species in Precipitation Liu Junhua, Wang Wenhua, Peng An (42)

Hydraulic Characteristics in a Submerged Membrane Bioreactor Liu Rui, Huang Xia, Wang Zhiqiang, Qian Yi (47)

Chlorine Effect on Molecular Descriptors of Disinfection By-Products Jiang Zhanpeng, Yang Hongwei, Guan Yuntao, W. Z. Tang et al. (51)

Activity and Thermostability of Different Phases-Supported Catalytic Oxidation Catalysts Yang Zhuxian, Chen Xiaoyin, Liu Yong, Bian Maiping et al. (55)

Chemical Characteristics at the Head of Rongbuk River on Mt. Everest Liu Lashan, Ren Jiawen, Qin Dahe (59)

Effect of Organic Acids on Heavy Metal Migration in Clay Bai Qingzhong, Song Yanguang, Wang Hui (64)

The Kinetics of Calcium Carbonate Formation Reaction in Coal-ash Slurry Liu Shaoyin, Hao Jiming (68)

Application of Bio-zeolite Reactor on Micro-polluted Source Water Quality Treatment Li Desheng, Huang Xiaodong, Wang Zhansheng (71)

Biological Degradation of Mixture of P204 and Kerosene Feng Xudong, Lin Yi, Qu Fuping, Dai Youyuan (74)

Isolation Strains for Biological Treatment of Organic Micropolluted Source Water Zhai Xiaomeng, Li Daotang (77)

Plasma-induced Decomposition of Nitrogen Oxides in a Dielectric-Barrier Discharge Reactor Liu Tong, Song Zhimin, Shi Chuan, Yang Xuefeng (80)

Sea Salt Source Contribution to the Aerosol in Qingdao Seashore Area Wang Min, Hu Min (83)

The Suitability of Chemical Engineering Stabilization in Controlling Aeolian Hazard Along the Highway in Tarim Basin Han Zhiwen, Hu Yingdi, Chen Guangting, Yao Zhengyi, Shao Guosheng (86)

Structure-Activity Relationships for Rat LD_{50} of Miscellaneous Aldehydes Tang Guigang, Bai Naibin (89)

Degradation Kinetics and Ecotoxicity of 3, 4-Dichloroaniline in Soils Jiang Xin, Zhou Jianming, P. Müller (94)

Surfactant Improving Activated Sludge Dewaterability and Its Mechanism Chen Yinguang, Yang Haizhen, Wu Guibiao, Gu Guowei (97)

The Removal of Micropollutants in Water by Activated Carbon Fiber Sun Zhirong, Fan Yanzhen, Li Jun, Wang Baozhao (101)

The New Trends and Countermeasurements on Eco-environmental Issues in China Fu Bojie, Chen Liding, Yu Xiubo (104)

Strategic Environmental Assessment(SFA) and Its Development Ma Weichun, Lam Kinche, Chen Limin, Yu Shubin (107)

Number 6

A Theoretical-statistical Model for Urban Road Traffic Noise Prediction Li Bengang, Tao Shu, Cao Jun, Xu Fuliu (1)

Application of Atmospheric Diffusion Model on The Estimate of Methane Emission from Rice Fields Liu Jianguo, Zhang Yuanhang, Shao Kesheng, Sjaak Slanina et al. (6)

Application of GA-Based PLS Analysis in QSAR Studies Zhang Daren, Zhao Lixin (11)

Soil Nitrogen Losses of Catchment by Water Erosion as Affected by Vegetation Coverage Zhang Xingchang, Liu Guobin, Fu Huifang (16)

Effects of Doping La or Si on Thermal Stability and NO Removal Activity of Ag/A₂O₃ Catalysts Tianle Zhu, Jiming Hao, Zhongping Zhou, Ji Li (20)

Decomposition of NO over Ni²⁺ Modified Cu-ZSM-5 Catalysts Shi Chuan, Song Zhimin, Fu Ying, Yang Xuefeng (24)

Effect of Lanthanum on the Microflora of Red Soil Chu Haiyan, Li Zhengao, Xie Zubin, Zhu Jianguo et al. (28)

Fate and Behavior of Chlorobenzenes in the Soil Xiao Hu, Yongmei Hu, Yaobo Fan, Minjian Wang (32)

Influence Factors of Volatile Sulfur Gases Produced from the Decomposition of Methionine in Paddy Soil Zhang Jinhua, Zhou Zhihan, Nie Yafeng, Zhang Jianfa, Xi Shuqiet al. (37)

A Nuclei Isolation-Filter Elution Assay for the Simultaneous Detection of DNA SSB and DSB of Compact Plant Donor Liu Xiao, Zhao Yufang, Lin Beibei (42)

Photocatalytic Degradation of p-Chloroaniline in Water on Immobilized TiO₂ Leng Wenhua, Zhang Li, Cheng Saoan, Zhang Jianqing et al. (46)

Forced Aeration Composting of Sewage Sludge Controlled by Time and Temperature Controller Hong Xu, Yaobo Fan, Zhiping Jia, Minjian Wang et al. (51)

Development and Permeability of New-style Synthetic Bentonite-Waterproof Roll Liner Material Bai Qingzhong, Liu Yangsheng, Li Qiang, Nie Yongfeng et al. (56)

Temporal and Spatial Characteristics of Surface Water Quality in Jiyun River Chen Liding, Li Junran, Guo Xudong, Fu Bojie et al. (61)

The Application of Remote Sensing Technology in Monitoring the Water Quality of Taihu Lake Wang Xuejun, Ma Ting (65)

Predict Impact on Environment of Catastrophic Discharge Cyanide from The Goldmine Li Shehong, Zheng Baoshan (69)

Removal of Organism from Secondary Effluent in Advanced Wastewater Treatment for Groundwater Recharge Tong Guichan, Ye Yucai, Yun Guichun, Jin Guangyu (73)

Integrated Hydrolysis, Anaerobic and Micro-Aerobic Treatment of Municipal Wastewater Sun Yanling, Du Bing, Si Yaan, Shen Lixian (77)

Organic Micropolluted Source Water Treatment by Immobilized Cells Zhai Xiaomeng, Li Daotang (80)

The Waste Tire Pyrolysis and Its Yields Analysis Liu Yangsheng, Bai Qingzhong, Li Yingxia, Nie Yongfeng (85)

Bioremediation of Quinoline-Contaminated Soil in Slurry Phase Han Liping, Wang Jianlong, Liu Heng, Shi Hanchang, Qian Yi (89)

The Degradation Trends of Phenoxyacetic Acid Herbicides in Soils Yunlan Su, Hanhong Mo, Fengchun An (92)

Development and Applications of Database for Beijing Vehicular Emissions Based on GIS Tang Jiaping, Fu Lixin, Hao Jiming, Wu Ye et al. (95)

Species Transformation of Hydroxyl Polymeric Aluminum-Ferric Chloride Solutions Hu Yongyou, Tu Chuanqin, Gao Jian, Huang Ruimin (98)

Ammonia Emission and Its Effects on the Formation of Secondary Particles in Beijing Peng Yingdeng, Yang Mingzhen, Shen Lixian (101)