

目 次

通风量对厨余堆肥氮素转化及氮素损失的影响 杨延梅(1)

碳氮源对光合细菌混合菌群产氢性能的影响 崔宝臣, 张国欣, 侯博,等(5)

实时荧光定量 PCR 技术对氨氧化细菌的研究 赵大勇, 燕文明, 冯景伟(8)

用于有机磷农药残留检测酯酶的筛选 邓光辉, 张桂华, 孙果宋,等(14)

化学计量学法解析涂料行业废气化学成分 刘旭红, 张斌(16)

NiO-Al₂O₃ 催化臭氧氧化降解阳离子红 GTL 模拟废水 马丰, 黄自力, 张亚平(20)

厌氧-好氧-物化工艺处理淀粉废水的工程实例 韩彪, 张萍, 张维维,等(25)

COD/TP 比及 NO₂⁻-N/TP 对短程反硝化聚磷的影响 张小玲, 刘茜湘, 赵剑强(28)

平板膜 MBR 处理生活污水试验研究 张连凯, 杨慧, 张尊举(32)

双菌发酵水葫芦压滤液生产单细胞蛋白的研究 凌嘉茵, 李萍, 徐锐锐,等(35)

原油降解菌的筛选鉴定及降解特性的研究 王福强, 李凤超, 李彦芹,等(39)

外加碳源对木糖氧化无色杆菌降解菌的影响 孙常宇, 唐玉斌, 陈芳艳,等(43)

光合细菌黑暗好氧降解 2-氯酚的特性研究 冯钟敏, 胡筱敏, 董怡华,等(47)

优势复合菌剂处理黑臭河水的实验研究 张宗阳, 李捍东, 马兴华,等(52)

采油废水生物法处理出水活性炭吸附试验研究 高赛男, 王俊儒, 黄翔峰,等(56)

pH 对海绵铁过滤柱预处理染色废水的影响 高孟春, 李冰, 王子超,等(62)

饮用水中溴酸盐的去除技术 刘润生, 张燕(66)

光催化与 Fenton 试剂对硝基苯酚降解的研究 黄卫红, 杨丹, 阮介兵,等(71)

氢气还原海绵铁去除水体中硝酸盐的研究 李俊国, 王凡, 冯艳平,等(76)

US/O₃/TiO₂/UV 氧化处理苯胺废水实验研究 香杰新, 张赵田, 范洪波,等(81)

地下渗滤污水处理系统中基质的研究进展 王鑫, 李海波, 孙铁珩(86)

生态混凝土净化生活污水的机理探讨 蓝俊康, 刘宝剑(90)

新型印染废水脱色絮凝剂的合成及应用研究 徐灏龙, 彭振华(94)

催化湿式氧化法降解活性艳蓝的研究 钮娜, 董学伟, 董晓丽,等(99)

CTS/CuO/ACF 聚酯功能复合膜吸附及光催化性能	柳丽芬, 杜玉, 杨凤林(102)
铜锌内电解法降解水中三氯乙酸的研究	卞战强, 毛月英, 田向红,等(105)
改性壳聚糖重金属生物吸附剂的制备及表征	王雪源(109)
改性柚皮粉对水中 Cu(II)和 Zn(II)的吸附	沈士德, 徐娟(115)
含硫含酸原油加工中含油污水的形成与破乳研究	兰建义, 杨敬一, 徐心茹(120)
米糠在微波条件下解毒铬渣中六价铬的研究	张平, 李科林, 肖剑波,等(124)
废铁屑预处理被 4-硝基苯胺污染的土壤	陈宜菲, 邱罡, 陈少瑾(128)
低钙粉煤灰活化制备防水涂料的试验研究	唐猷峰(133)
给水系统中卡马西平含量测定方法的研究	杨林, 薛罡(137)
褐煤与烟煤燃烧排放可吸入颗粒物的特性	赵承美, 孙俊民, 刘惠永(140)
上海世博规划区交通干道污染物对流扩散研究	黄远东, 杨舒天, 王守生(144)
汽车内装饰材料挥发性有机物 GC-MS 测定和分析	贺小凤, 刘艳霖, 王桂霞,等(149)
上海大气颗粒物中溴、碘浓度水平的影响因素	高运川, 吴晓伟, 孙明星,等(152)
改性活性炭对二硫化碳吸附性能研究	吴文艳, 梅华, 姚虎卿(156)
改性活性炭纤维对含乙醇有机废气的吸附性能研究	迟广俊, 焦婷婷, 范君,等(160)
福建省红树林分布时空变化与驱动因素分析	黄文丹, 陈文惠, 郑祥民,等(164)
云南阳宗海湖底沉积物重金属分布与来源	张玉玺, 孙继朝, 向小平,等(171)
水电梯开发对乌江流域浮游植物分布的影响	郭艳娜, 伍志, 李海,等(176)
基于 GIS 和多目标的生活垃圾运输路线优化研究	王桂琴, 高博, 路鹏,等(180)
上海农用化学品使用历史演变及污染防治对策	钱晓雍, 沈根祥, 吴婷,等(184)
基于多目标空间分析的危险废物决策支持模型研究	杨蕾, 杜鹏, 夏斌(188)
赣江南昌段污染负荷及水环境容量分析	胡锋平, 侯娟, 罗健文,等(192)
1997~2008 年京杭大运河扬州段水质状况研究	华常春, 高桂枝, 陈晨(196)
油库大气环境风险评价中的安全防护距离	侯雅楠, 仝纪龙, 袁九毅,等(200)
天然沸石吸附低浓度氨氮废水的研究	唐登勇, 郑正, 林志荣,等(206)

CONTENTS

Influence of Ventilation on Nitrogen Transformation and Loss during Composting of Kitchen Waste.....	YANG Yan-mei (1)
Effect of Carbon and Nitrogen Source on Properties of Hydrogen Production with Photosynthetic Bacteria Group.....	
.....	CUI Bao-chen, ZHANG Guo-xin, HOU Bo, et al (5)
Real Time Fluorescent Quantitative PCR and Its Application in the Studies of Ammonia Oxidizing Bacteria.....	
.....	ZHAO Da-yong, YAN Wen-ming, FENG Jing-wei (8)
Selection of Esterases Used in Detecting the Residue of Pesticides.....	
.....	DENG Guang-hui, ZHANG Gui-hua, SUN Guo-song, et al (14)
Analysis of Chemical Constituents in Waste Gas Pollutant of Coatings Industry by Chemometric Resolution Method.....	
.....	LIU Xu-hong, ZHANG Bin (16)
Catalytic Oxidation Degradation of Cationic Red GTL Simulated Wastewater by NiO-Al ₂ O ₃	
.....	MA Feng, HUANG Zi-li, ZHANG Ya-ping (20)
Appliction of Anaerobic-aerobic-physicochemical Process to Treatment of Starch-producing Wastewater.....	
.....	HAN Biao, ZHANG Ping, ZHANG Wei-wei, et al (25)
Effects of COD/TP Ratio and NO ₂ ⁻ -N/TP Ratio on the Performance of Denitrifying Phosphorus Removal with Nitrite as Electron Acceptor.....	
.....	ZHANG Xiao-ling, LIU Xi-xiang, ZHAO Jian-qiang (28)
Flat Sheet MBR Technology for Domestic Wastewater Treatment.....	
.....	ZHANG Lian-kai, YANG Hui, ZHANG Zun-ju (32)
Production of Single Cell Protein from Juice of <i>Eichhornia crassipes</i> by Mixed Fermentation.....	
.....	LING Jia-yin, LI Ping, XU Rui-kun, et al (35)
Crude Oil-degrading Bacteria:Screening, Idendification and Degradation Characteristics.....	
.....	WANG Fu-qiang, LI Feng-chao, LI Yan-qin, et al (39)
Effect of Exotic Carbon Source on Degradation of Chrysene by <i>Achromobacter xylosoxidans</i>	
.....	SUN Chang-yu, TANG Yu-bin, CHEN Fang-yan, et al (43)
Factors of O-chlorophenol Biodegradation by Photosynthetic Bacteria under Dark and Aerobic Conditions.....	
.....	FENG Zhong-min, HU Xiao-min, DONG Yi-hua, et al (47)
Dominant Complex Bacteria in Treatment of Black and Odorous River Water.....	
.....	ZHANG Zong-yang, LI Han-dong, MA Xing-hua, et al (52)
Experimental Study on Activated Carbon Adsorption for Treating Effluents from Oil-field Wastewater Treatment Facilities.....	
.....	GAO Sai-nan, WANG Jun-ru, HUANG Xiang-feng, et al (56)
Effect of pH on Pretreatment of Dyeing Wastewater by Filtering Column Filled with Sponge Iron.....	
.....	GAO Meng-chun, LI Bing, WANG Zi-chao, et al (62)
Removal Technologies of Bromate in Drinking Water.....	
.....	LIU Run-sheng, ZHANG Yan (66)
Photocatalysis Coupled with Fenton Reagent for Degrading p-Nitrophenol.....	
.....	HUANG Wei-hong, YANG Dan, RUAN Jie-bing, et al (71)
Nitrate Removal from Water by Spherical Sponge Iron Prepared by H ₂ Reduction.....	
.....	LI Jun-guo, WANG Fan, FENG Yan-ping, et al (76)
Aniline Wastewater Treatment by US/O ₃ /TiO ₂ /UV.....	
.....	XIANG Jie-xin, ZHANG Zhao-tian, FAN Hong-bo, et al (81)
Progress on Matrix in a Subsurface Wastewater Infiltration System.....	
.....	WANG Xin, LI Hai-bo, SUN Tie-heng (86)
Mechanism of Domestic Sewage Treatment by Eco-concrete.....	
.....	LAN Jun-kang, LIU Bao-jian (90)
A New-typed Decolorizing Flocculant for Dyeing Wastewater Treatment:Synthesis and Application.....	
.....	XU Hao-long, PENG Zhen-hua (94)

Catalytic Wet Air Oxidation for Degradation of Reactive Brilliant Blue KN-R	NIU Na, DONG Xue-wei, DONG Xiao-li, et al (99)
Adsorption and Photocatalysis Properties of CTS/CuO/ACF Functional Composite Membrane	LIU Li-feng, DU Yu, YANG Feng-lin (102)
Reductive Dechlorination of Trichloroacetic Acid in Drinking Water by Zn/Cu Catalyzed Inner Electrolysis System	BIAN Zhan-qiang, MAO Yue-ying, TIAN Xiang-hong, et al (105)
Preparation and Characterization of Heavy Metal Biomass Adsorbent of Modified Chitosan	WANG Xue-yuan (109)
Adsorption of Cu(II) and Zn(II) Ions onto NaOH-modified Grapefruit Husk Powder	SHEN Shi-de, XU Juan (115)
Formation and Demulsification of Emulsion during Processing of Sour and Acidic Crude Oil in Refinery	LAN Jian-yi, YANG Jing-yi, XU Xin-ru (120)
Detoxification of Chromium(VI) in Chromic Slag with Rice Bran under Microwave Irradiation	ZHANG Ping, LI Ke-lin, XIAO Jian-bo, et al (124)
Pretreatment of 4-nitroaniline in Soils by Iron Chips	CHEN Yi-fei, QIU Gang, CHEN Shao-jin (128)
Experimental Study on Activation and Preparation of Waterproof Coating of Low Calcium Fly Ash	TANG Tai-feng (133)
Determination of Carbamazepine in Tap Water Supply System	YANG Lin, XUE Gang (137)
Characteristics of Inhalable Particulate Matters from Lignite and Bituminous Coal Combustion	ZHAO Cheng-mei, SUN Jun-min, LIU Hui-yong (140)
Convection and Dispersion of Vehicle Exhaust Gas Emitted on Major Transportation Lines in World Expo Area of Shanghai	HUANG Yuan-dong, YANG Shu-tian, WANG Shou-sheng (144)
Determination of VOCs in Automobile Interior Decoration Materials by GC/MS	HE Xiao-feng, LIU Yan-lin, WANG Gui-xia, et al (149)
Influencing Factors of Bromine and Iodine Concentration Levels in Atmospheric Particulates in Shanghai	GAO Yun-chun, WU Xiao-wei, SUN Ming-xing, et al (152)
Behavior of Adsorbing CS ₂ on Modified Activated Carbon	WU Wen-yan, MEI Hua, YAO Hu-qing (156)
Adsorption of Ethanol Vapor Containing Organic Gases on Modified Activated Carbon Fiber	CHI Guang-jun, JIAO Ting-ting, FAN Jun, et al (160)
Distribution of Mangrove in Fujian Province	HUANG Wen-dan, CHEN Wen-hui, ZHENG Xiang-min, et al (164)
A Survey of Heavy Metals in Sediments of Yangzonghai Lake in Yunnan Province: Their Source and Distribution	ZHANG Yu-xi, SUN Ji-chao, XIANG Xiao-ping, et al (171)
Effect of Cascade Hydroelectric Stations on Phytoplankton in Wujiang Watershed	GUO Yan-na, WU Zhi, LI Hai, et al (176)
Route Optimization to Municipal Domestic Waste Based on GIS and Multi-objective	WANG Gui-qin, GAO Bo, LU Peng, et al (180)
Application History and Pollution Control Strategy of Agrochemicals in Shanghai	QIAN Xiao-yong, SHEN Gen-xiang, WU Ting, et al (184)
Regional Hazardous Waste Decision Support Model Based on Multi-objective Spatial Analysis	YANG Lei, DU Peng, XIA Bin (188)
Analysis of Pollution Loading and Water Environmental Capacity of Gan River in Nanchang	HU Feng-ping, HOU Juan, LUO Jian-wen, et al (192)
Water Quality at the Section of Yangzhou City of the Beijing-Hangzhou Grand Canal in 1997~2008	HUA Chang-chun, GAO Gui-zhi, CHEN Chen (196)
Safety Protection Distance of Atmospheric Environmental Risk Assessment to Oil Depot	HOU Ya-nan, TONG Ji-long, YUAN Jiu-yi, et al (200)
Adsorption of Ammonium-nitrogen from Low Concentration Wastewater by Natural Zeolite	TANG Deng-yong, ZHENG Zheng, LIN Zhi-rong, et al (206)