

目 次

风浪模拟扰动下梅梁湾沉积物的实验研究	王胜艳, 郝少盼, 王鹏,等(1)
滨海生态景观河道对污水处理厂出水净化效果研究	袁敏, 唐运平, 孙贻超,等(6)
五溴联苯醚-镉胁迫下蚯蚓抗氧化防御反应	朱淑贞, 祝凌燕, 刘慢,等(10)
不同营养水平下苦草对附着和浮游藻类的影响	黄瑾, 宋玉芝, 秦伯强(17)
超声协同紫外灭活大肠杆菌实验研究	靳慧霞, 董滨, 孙颖,等(22)
类球红细菌利用混合底物光合产氢特性研究	邓文武, 叶姜瑜, 秦艳,等(28)
盐度对细菌菌株降解苯酚的影响	温洪宇, 杨柳, 韩宝平,等(33)
反渗透用于 APT 离子交换废水的处理与回用	魏立安, 廖城城(39)
废水处理系统中有机物分子量分布及其变化	沈国, 李茵(43)
水溶液中磷的吸附与预测模型	黄中子, 吴晓芙, 刘勇弟,等(46)
红芝所产漆酶对蒽醌染料的脱色研究	湛斌, 赵亮亮, 孙秋芳,等(50)
超声波催化臭氧去除滤后水中有害有机物	郭文娟, 张光明, 马军(54)
垃圾防渗粘性土对多环芳烃菲(PHEs)的吸附作用研究	姜建梅, 刘长礼, 王晶晶,等(57)
N-羧甲基壳聚糖的制备表征及性能研究	孙立革, 杜予民(62)
明胶固化硫脲微粒对 Ag^+ 的吸附及其热力学研究	李仲谨, 张莎, 周亮,等(66)
苯酚在氨氮体系中的氧化降解研究	张胜利, 刘丹(70)
尿素对除草剂氯磺隆在三种土壤上的吸附影响	叶发兵, 刘永红, 黄春保,等(74)
白银市郊区农田土壤重金属污染初步调查与评价	赵保卫, 王刚(79)
毗邻铁矿的景区土壤重金属形态及生物有效性	杨维, 高雅玲, 康志勇,等(82)
柚子皮吸附剂的物化特性研究	周殷, 胡长伟, 李鹤,等(87)
降水量对降水酸度的影响分析——以重庆为例	何泽能, 谭炳全, 唐晓萍(92)
湖北省 2008 年酸雨特征及成因分析	许杨, 杨宏青(97)

溶液吸收/分光光度法检测空气中偏二甲胂含量	韩卓珍, 曹晔, 王力,等(102)
蚯蚓生物滤池污水处理技术研究进展	戴一琦, 李银生, 李旭东,等(106)
生物阴极型微生物燃料电池研究进展	张玲, 梁鹏, 黄霞,等(110)
AERMOD 大气扩散模型研究综述	王海超, 焦文玲, 邹平华(115)
城市绿地系统服务价值定量评价的研究进展	马骏, 唐海萍(120)
臭氧-紫外光-活性炭联用氧化糠醛废水的研究	段海霞, 刘炯天(126)
两阶段生物系统处理酵母废水中有机物的变化特征	周旋, 周晓慧, 马鹏,等(129)
生物膜反应器厌氧氨氧化脱氮效能研究	李祥, 黄勇, 袁怡(133)
混凝-Featon 氧化预处理抗生素废水的研究	赵玲玲, 蔡照胜(138)
高级氧化-BAF 深度处理焦化废水	李豪, 汪晓军, 王开演(142)
蕉藕淀粉废水絮凝试验	刘忠, 张知锦(146)
二氧化氯催化氧化法处理 PTA 废水的研究	刘建武, 张跃, 严生虎,等(149)
SBR 法处理味精废水脱氮机理研究	董黎明, 张艳萍, 汪革,等(152)
铝盐混凝剂的制备及其在水处理中的应用研究	陈刚, 陈晔, 周赛捷,等(156)
两种接种污泥在 MBR 中培养好氧颗粒污泥的研究	刘爱萍, 李开明, 陈中颖,等(159)
煤矸石作无土栽培基质的可行性研究	何俊瑜, 任艳芳, 李亚灵,等(163)
含钛高炉渣制光催化剂降解水中 2,4-二氯酚的研究	夏涛, 宋卫坤, 周许林,等(167)
高校中水水源分类及基于 AHP 方法的优质量度排序	郭笑盈, 沈珍瑶, 林婷,等(171)
庐山风景名胜旅游地生活废弃物生态足迹分析	万金保, 朱邦辉, 刘琳(175)
再生塑料袋包装食品对人体的健康风险评价	李千婷, 海热提, 林爱军(181)
兰州市区典型持久性有机污染物的生态风险评价	杨志群, 姚焕炬, 成刚,等(186)
神经网络模型在环境现状评价中应用研究	郭彦, 王海芳(191)
海上石油平台溢油污染等级评估研究	刘洁, 郎印海, 贾永刚,等(197)
关于我国环境保护垂直管理问题的探讨	刘洋, 万玉秋, 缪旭波,等(201)

CONTENTS

Experiment on Sediment of Meiliang Bay under Simulative Disturbing Conditions..... WANG Sheng-yan, HAO Shao-pan, WANG Peng, et al (1)

Water Purification Effect of Secondarily -treated WWTP Effluent by Ecological Scenic Watercourse in Coastal Area ...YUAN Min, TANG Yun-ping, SUN Yi-chao, et al (6)

Toxicity of Commercial Penta-BDE and Cd in Soil on Anti-oxidant Defensive Responses of Earthworms.....ZHU Shu-zhen, ZHU Ling-yan, LIU Man, et al (10)

Effect of *Vallisneria natans* on Periphytic Algae and Phytoplankton with Different Nutrients.....HUANG Jin, SONG Yu-zhi, QIN Bo-qiang (17)

Synergistic Efficiency of *E. coli*. Inactivation under US and UV.....JIN Hui-xia, DONG Bin, SUN Ying, et al (22)

Characteristics of Hydrogen Photoproduction by *Rhodobacter sphaeroides* Using Mixed Substrates.....DENG Wen-wu, YE Jiang-yu, QIN Yan, et al (28)

Influence on Phenol Degradation by Bacterial Strains under Different Salinity ConditionsWEN Hong-yu, YANG Liu, HAN Bao-ping, et al (33)

Treating and Reclaiming Ion-exchange Water of APT Smelting by Reverse Osmosis.....WEI Li-an, LIAO Cheng-cheng (39)

Distribution and Transformation of Molecular Weight of Organic Matters in a Wastewater Treatment SystemSHEN Guo, LI Yin (43)

Phosphorus Adsorption in Aqueous Solution and Its Prediction ModelHUANG Zhong-zi, WU Xiao-fu, LIU Yong-di, et al (46)

Decolorization of Anthraquinone Dye with Laccase from *Ganoderma lucidum*.....CHEN Bin, ZHAO Liang-liang, SUN Qiu-fang, et al (50)

US/O₃ Removal of Hazardous Chemicals from Filtered Water.....GUO Wen-juan, ZHANG Guang-ming, MA Jun (54)

Adsorption Behavior of Polycyclic Aromatic Hydrocarbon Phenanthrene on Anti-permeation Clayey Soil in Landfill.....JIANG Jian-mei, LIU Chang-li, WANG Jing-jing, et al (57)

Preparation, Characterization and Properties of N-carboxymethyl Chitosan.....SUN Li-ping, DU Yu-min (62)

Adsorption of Ag⁺ on Thiourea Impregnated Gelatin Microspheres and Thermodynamic Analysis.....LI Zhong-jin, ZHANG Sha, ZHOU Liang, et al (66)

Oxidation of Phenol by Sodium Hypochlorite in Ammonia Nitrogen System.....ZHANG Sheng-li, LIU Dan (70)

Effects of Urea on Adsorption of Chlorsulfuron by Three Kinds of Minerals.....YE Fa-bing, LIU Yong-hong, HUANG Chuan-bao, et al (74)

Preliminary Investigation and Assessment of Farmland Soils Contaminated by Heavy Metal around Baiyin CityZHAO Bao-wei, WANG Gang (79)

Chemical Forms and Bioavailability of Heavy Metals in Soil of Scenic Adjacent to Iron Ore.....YANG Wei, GAO Ya-ling, KANG Zhi-yong, et al (82)

Physico-chemical Characteristics of Pummelo Peel Adsorbent.....ZHOU Yin, HU Chang-wei, Cherry Li, et al (87)

Analysis of Influence of Precipitation on Acidity of Precipitation: A Case Study in Chongqing.....HE Ze-neng, TAN Bing-quan, TANG Xiao-ping (92)

Feature and Cause Analysis on Acid Rain of 2008 in Hubei Province.....XU Yang, YANG Hong-qing (97)

Solution Absorption/Spectrophotometry Method for Monitoring Analysis of UDMH in Air.....HAN Zhuo-zhen, CAO Ye, WANG Li, et al (102)

Progress on Wastewater Treatment Technology—Vermibiofiltration.....DAI Yi-qi, LI Yin-sheng, LI Xu-dong, et al (106)

Progress of Studies on Biocathode Microbial Fuel Cells.....ZHANG Ling, LIANG Peng, HUANG Xia, et al (110)

Development of AERMOD Dispersion Model.....WANG Hai-chao, JIAO Wen-ling, ZOU Ping-hua (115)

Advance in Quantitative Assessment on Service Value of Urban Green Space.....MA Jun, TANG Hai-ping (120)

Oxidation of Furfural Wastewater by O₃/UV/AC.....DUAN Hai-xia, LIU Jiong-tian (126)

Characterization of Organic Compounds Variation in Yeast Wastewater Biotreatment System.....ZHOU Xuan, ZHOU Xiao-hui, MA Peng, et al (129)

Performance of Nitrogen Removal Load in ANAMMOX Biofilm Reactor.....LI Xiang, HUANG Yong, YUAN Yi (133)

Pretreatment of Antibiotic Wastewater by Coagulation–Fenton Oxidation.....ZHAO Ling-ling, CAI Zhao-sheng (138)

Advanced Treatment of Coking Wastewater by AOPs–BAF Process.....LI Hao, WANG Xiao-jun, WANG Kai-yan (142)

Experiment on Cana Starch Wastewater with Flocculants.....LIU Zhong, ZHANG Zhi-jin (146)

Catalytic Oxidation Treatment of PTA Wastewater by Chlorine Dioxide.....LIU Jian -wu, ZHANG Yue, YAN Sheng -hu, et al (149)

Mechanism of Denitrification of Monosodium Glutamate Wastewater in SBR.....DONG Li-ming, ZHANG Yan-ping, WANG Ping, et al (152)

Preparation of Aluminum Salt Coagulant and Its Application in Wastewater TreatmentCHEN Gang, CHEN Ye, ZHOU Sai-jie, et al (156)

Culture of Aerobic Granular Sludge in MBR with Two Kinds of Sludge as Seeding Material.....LIU Ai-ping, LI Kai-ming, CHEN Zhong-ying, et al (159)

Feasibility Study on Gangue as Soilless Substrates.....HE Jun-yu, REN Yan-fang, LI Ya-ling, et al (163)

Degradation of 2,4-dichlorophenol with Photocatalyst Prepared by Ti-bearing Blast Furnace Slags.....XIA Tao, SONG Wei-kun, ZHOU Xu-lin, et al (167)

Classification of Universities’ Reclaimed Water Source and Sorting of Exploitability Based on AHP MethodGUO Xiao-ying, SHEN Zhen-yao, LIN Ting, et al (171)

Analysis of Ecological Footprint of Domestic Wastes in Lushan Scenic Spots.....WAN Jin-bao, ZHU Bang-hui, LIU Lin (175)

Human Health Risk Assessment on Contaminants in Recycled Plastic Bags Packaged Foods.....LI Qian-ting, HAI Re-ti, LIN Ai-jun (181)

Ecological Risk Assessment of Typical POPs in Lanzhou City.....YANG Zhi-qun, YAO Huan-ju, CHENG Gang, et al (186)

Application of Neural Network Model to Environmental Assessment.....GUO Yan, WANG Hai-fang (191)

Pollution Level Assessment of Oil Spill on Offshore Platform.....LIU Jie, LANG Yin-hai, JIA Yong-gang, et al (197)

Building Cross-sectoral Coordination Mechanism of Environmental Management in China.....LIU Yang, WAN Yu-qiu, MIAO Xu-bo, et al (201)