

- ◆ 全国中文核心期刊
- ◆ 中国科学引文数据库
- ◆ 中文科技期刊数据库收录期刊
- ◆ 中国期刊全文数据库全文收录期刊
- ◆ 中国学术期刊综合评价数据库统计源期刊
- ◆ 中国科技论文统计源期刊（中国科技核心期刊）
- ◆ 万方数据—数字化期刊群（中国核心期刊遴选数据库）
- ◆ RCCSE中国核心学术期刊
- ◆ 美国化学文摘（CA）收录期刊
- ◆ 波兰哥白尼索引（IC）收录期刊
- ◆ 美国乌利希期刊指南（Ulrich PD）收录期刊
- ◆ 美国《剑桥科学文摘（自然科学）》（CSAI）收录期刊
- ◆ 日本科学技术振兴机构中国文献数据库（JST）收录期刊
- ◆ 英国国际农业与生物科学研究中心数据库（CABI）收录期刊

环境科学与技术

Huanjing Kexue yu Jishu

ISSN1003—6504

Vol. 35 No.5

2012



**Environmental
Science & Technology**

ISSN 1003-6504



9 771003 650059

湖北省环境保护厅 主管
湖北省环境科学研究院 主办

目 次

- 苯酚、苯胺对吸附胶束絮凝过程的影响 段敏, 王栋, 闫杰, 杨飞飞(1)
- 野生食用牛肝菌的重金属富集研究 马培, 张丹, 杨丽标, 曾雪丹(5)
- 钙镁离子在水流作用下对铜绿微囊藻生长的影响 李林, 朱伟, 罗永刚(9)
- NaClO 氧化水中 As(Ⅲ)的实验研究 熊鹏, 李义连(14)
- 滴水湖沉积物对磷的吸附特性初探 江敏, 刘金金, 胡文婷, 吴昊, 邢斌, 卢柳, 任治安(18)
- 氨基硫脲改性山竹壳对 Cd²⁺、Pb²⁺的吸附 黄晓东, 刘明华, 林春香(24)
- Ce-MCM-22 分子筛的合成与吸附动力学研究 成岳, 苏晓渊, 潘顺龙, 李燕孙(28)
- Fe⁰-厌氧微生物降解 2,4-二氯酚的效应及机理 程婷, 戴友芝, 黄兆琴, 胡大华(32)
- Cd/Sb/Pb 复合污染对苎麻生长及吸收富集特征的影响 孟桂元, 蒋端生, 柏连阳, 刘杰, 邬腊梅, 周静(36)
- 不同城市功能区土壤中酞酸酯污染特征 朱媛媛, 田靖, 景立新, 吴国平, 魏复盛(42)
- 2-酮基-L-古龙酸的高效液相色谱测定方法和条件 肖入峰, 刘景洋, 张建强(47)
- 塔里木盆地气溶胶粒度分布研究 黄晨敏, 高鸿恩, 王志强, 李国申, 何启梅(52)
- 小型乘用车内直链烃和芳香烃污染特征研究 肖艳红, 张卫东, 赵琦, 邹钱秀(56)
- 天然类固醇雌激素源解析、环境行为及其污染控制 林建德, 邵坚, 冯成洪, 刘妹芳, 杨明, 李艳霞, 裴元生(60)
- 光催化去除有害藻类的研究进展 黄微雅, 杨骏, 张渊明(65)
- 酵母菌在环境污染治理中的应用与进展 宋凤敏(71)
- 多相流染料废水的臭氧高级氧化脱色行为研究 杨丽萍, 王栋, 张硕, 陈志华, 姚冬梅, 吴伟(76)
- 脱水污泥厌氧发酵搅拌动力需求试验研究 盛金良, 严敏东, 赵志永, 龚莹(80)
- V-W/TiO₂/γ-Al₂O₃ 催化剂催化还原 NO 的研究 赵琳琳, 黄亚继, 宋静, 徐海涛, 张亚平(85)
- 糠醛渣对苯酚吸附性能研究 陈小燕, 王振, 王东, 刘万毅(90)
- 生态碳纤维填料用于集约型水产养殖废水处理 茜莉莎, 海热提(93)

- 生态减污袋去除模拟污水中氨氮及磷的效果试验 孙嘉, 王海燕, 谢宝元, 张志强, 吴智洋, 任丽娜(98)
- TiO₂/ACFs 催化剂光催化降解染料废水活性研究 孙艺飞, 李小波, 关建建, 周矛峰, 王同华(102)
- 淀粉改性絮凝剂制备及其对污泥絮凝性能研究 吴璐, 陈群, 汪永辉, 江璐(106)
- 有机改性膨润土对压载水入侵生物的治理研究 庞艳华, 丁永生, 孙冰, 公维民(110)
- 废弃电路板湿法破碎能耗试验研究 张博, 赵跃民, 段晨龙, 吕波, 屈进州(116)
- 圆叶无心菜对 Pb 的吸收累积特征研究 方其仙, 李元, 祖艳群, 湛方栋(121)
- 掺粉煤灰水泥砂浆抗稀硫酸侵蚀的试验研究 李燕涛, 宋志刚, 闵红光(127)
- 几种天然多孔矿物对钾肥的吸附及缓释效果 刘爱平, 冯启明, 王维清, 和丽丽, 刘岁海(131)
- 铝钛改性 MCM-41 材料对污水中铅镉的吸附研究 方璐希, 喻鹏, 刘灿明, 阳杰, 吴安军(136)
- 不同模拟条件下太湖沉积物-水界面磷行为的研究 孙慧卿, 王平, 江和龙(141)
- BAF 去除氨氮关键影响因素研究 王劫, 白莹, 胡筱敏(147)
- 光催化/内电解协同处理分散蓝 E-4R 的研究 卢胜红, 夏东升, 曾庆福(152)
- 烟气流量及二氧化碳分压对氨法减排效率的影响 武士威, 宋学君, 李国德, 张侠, 李娜, 李光哲(156)
- VOCs 气体在活性炭上的二元吸附过程研究 曹利, 黄学敏, 宋文斌, 杨全(160)
- 重金属污染农田土地整理技术研究 王岩, 成杰民(164)
- 厌氧氨氧化电子受体的研究 张春蕾, 李祥, 黄勇, 袁怡(169)
- 大冶湖 2000-2009 年地表水质评价及污染趋势预测 鲁珍, 李畔, 马啸, 张亚东, 黄柏龙, 张猛, 朱丽, 刘成(174)
- 重庆三峡库区非点源污染评价与影响因子分析 杨美成, 王圃, 柳晓明, 甘福宁, 王俊, 唐子易(179)
- 辽宁太子河沉积物重金属污染及潜在生态危害评价 邵坚, 赵晓娟(184)
- 几种网格数据处理方法的应用与评述 姜信君(189)
- 北湖流域水质改善系统动力学研究 胡睿, 余健, 彭颖, 王盼(194)
- 淮河下游小流域空间开发功能分区研究—以江苏沿海地区为例 周家艳, 李冰, 王水, 刘伟, 田爱军, 高鸣(198)
- 海南省畜禽粪便分布特征及耕地负荷研究 周祖光(202)

期刊基本参数: CN 42-1245/X*1978*m*A4*210*zh*P*¥25*5000*44*2012-05

本期责任编辑: 胡春华

CONTENTS

Effect of Phenol and Aniline on Adsorptive Micellar Flocculation.....	DUAN Min, WANG Dong, YAN Jie, YANG Fei-fei(1)
Bioaccumulation of Heavy Metal in Wild Edible <i>Boletus</i> Fruiting Body	MA Pei, ZHANG Dan, YANG Li-biao, ZENG Xue-dan(5)
Effects of Calcium/Magnesium Ions on Growth of <i>Microcystis aeruginosa</i> under Water Flow.....	LI Lin, ZHU Wei, LUO Yong-gang(9)
Experiment on Oxidation of Arsenic (III) by NaClO in Water.....	XIONG Peng, LI Yi-lian(14)
Preliminary Study of Characteristics of Phosphorus Adsorption on Sediment of Dishui Lake	JIANG Min, LIU Jin-jin, HU Wen-ting, WU Hao, XING Bin, LU Liu, REN Zhi-an(18)
Adsorption of Cd ²⁺ and Pb ²⁺ on Mangosteen Shell Modified by Thiosemicarbazide.....	HUANG Xiao-dong, LIU Ming-hua, LIN Chun-xiang(24)
Synthesis and Adsorption Kinetics of Ce-MCM-22 Molecular Sieve.....	CHENG Yue, SU Xiao-yuan, PAN Shun-long, LI Yan-sun(28)
Fe ⁰ -Anearobic Microorganism Degradation of 2, 4-Dichlorophenol and Its Mechanism.....	CHENG Ting, DAI You-zhi, HUANG Zhao-qin, HU Da-hua(32)
Growth and Absorption Enrichment Responses of Ramie to Cd/Pb/Sb Stress.....	MENG Gui-yuan, JIANG Duan-sheng, BAI Lian-yang, LIU Jie, WU La-mei, ZHOU Jing(36)
Pollution Features of Phthalates in Soils with Different Urban Functions.....	ZHU Yuan-yuan, TIAN Jing, JING Li-xin, WU Guo-ping, WEI Fu-sheng(42)
Determination of 2-Keto-L-G-Gulconic Acid by HPLC.....	XIAO Ru-feng, LIU Jing-yang, ZHANG Jian-qiang(47)
Size Distribution of Aerosol in Tarim Basin.....	HUANG Sheng-min, GAO Hong-en, WANG Zhi-qiang, LI Guo-shen, HE Qi-mei(52)
Pollution of Straight-chain and Aromatic Hydrocarbons in Small Passenger Cars.....	XIAO Yan-hong, ZHANG Wei-dong, ZHAO Qi, ZOU Qian-xiu (56)
Source, Environmental Behavior and Pollution Control of Natural Estrogen in Environment	LIN Jian-de, SHAO Jian, FENG Cheng-hong, LIU Shu-fang, YANG Ming, LI Yan-xia, PEI Yuan-sheng(62)
Progress in Photocatalytic Methods for Harmful Algae Removal.....	HUANG Wei-ya, YANG Jun, ZHANG Yuan-ming(65)
Application and Progress on Environmental Pollution Control Using Yeasts.....	SONG Feng-min(71)
Decolorization of Textile Dyeing Wastewater by Ozonation in Multi-phase Flow Condition.....	YANG Li-ping, WANG Dong, ZHANG Shuo, CHEN Zhi-hua, YAO Dong-mei, WU Wei(76)
Experimental Study on Power Requirements for Stirring in Dewatered Sludge Anaerobic Digestion	SHENG Jin-liang, YAN Min-dong, ZHAO Zhi-yong, GONG Ying(80)
Comparative Study on V-W/TiO ₂ /γ-Al ₂ O ₃ for Selective Catalytic Reduction of NO.....	ZHAO Lin-lin, HUANG Ya-ji, SONG Jing, XU Hai-tao, ZHANG Ya-ping(85)
Adsorption of Phenol by Furfural Residue.....	CHEN Xiao-yan, WANG Zhen, WANG Dong, LIU Wan-yi(90)

Application of Ecological Carbon Fiber Filler in Treatment of Intensive Aquaculture Wastewater	CHEN Li-sha, HAI Re-ti(93)
Removing Ammonia Nitrogen and Phosphorus from Sewage Using Ecological Pollution-abatement Bags.....	SUN Jia, WANG Hai-yan, XIE Bao-yuan, ZHANG Zhi-qiang, WU Zhi-yang, REN Li-na(98)
Photocatalytic Activity of TiO ₂ -loaded Activated Carbon Fiber for Degradation of Textile Dye	SUN Yi-fei, LI Xiao-bo, GUAN Jian-jian, ZHOU Mao-feng, WANG Tong-hua(102)
Preparation of Starch Modified Flocculants and Research of Sludge Flocculation Capacity after Modification.....	WU Yao, CHEN Qun, WANG Yong-hui, JIANG Lu(106)
Removal of Harmful Organisms in Ship's Ballast Water by Using Organobentonite.....	PANG Yan-hua, DING Yong-sheng, SUN Bing, GONG Wei-min(110)
Energy Consumption of Wet-crushed Discarded Printed Circuit Board.....	ZHANG Bo, ZHAO Yue-min, DUAN Chen-long, LV Bo, QU Jin-zhou(116)
Accumulation Characteristics of <i>Arenaria rotundifolia</i> Bieberstein to Pb.....	FANG Qi-xian, LI Yuan, ZU Yan-qun, ZHAN Fang-dong(121)
Experiment and Study for Corrosion of Fly Ash Cement Mortar by Sulfuric Acid.....	LI Yan-tao, SONG Zhi-gang, MIN Hong-guang(127)
Adsorption of Potash by Several Natural Porous Minerals and Slow-Releasing Effect of Potash Fertilizer.....	LIU Ai-ping, FENG Qi-ming, WANG Wei-qing, HE Li-li, LIU Sui-hai(131)
Use of MCM-41 Modified with Al and Ti Ions to Remove Cd ²⁺ and Pb ²⁺ from Wastewater through Adsorption.....	FANG Lu-xi, YU Peng, LIU Can-ming, YANG Jie, WU An-jun(136)
Behavior of Phosphorus in Interface of Sediment-overlying Water in Taihu Lake under Different Simulative Conditions.....	SUN Hui-qing, WANG Ping, JIANG He-long (141)
Factors Affecting Ammonia Nitrogen Removal in BAF	WANG Jie, BAI Ying, HU Xiao-min(147)
Removal of Disperse Blue E-4R Dye from Wastewater by Synergetic MW-UV Photocatalysis and Internal Electrolysis.....	LU Sheng-hong, XIA Dong-sheng, ZENG Qing-fu(152)
Influence of Flue Gas Flow Rate and CO ₂ Partial Pressure on Removing CO ₂ in Flue Gas with Carbonated Ammonia Water Solution	WU Shi-wei, SONG Xue-jun, LI Guo-de, ZHANG Xia, LI Na, LI Guang-zhe(156)
Binary Adsorption of Gaseous VOCs on Activated Carbon.....	CAO Li, HUANG Xue-min, SONG Wen-bin, YANG Quan(160)
Rehabilitation of Farmland Contaminated by Heavy Metal: A Case Study of Land Consolidation.....	WANG Yan, CHENG Jie-min(164)
Electron Acceptor of Anaerobic Ammonium Oxidation.....	ZHANG Chun-lei, LI Xiang, HUANG Yong, YUAN Yi(169)
Surface Water Quality Assessment in Period 2000–2009 and Forecasting on Changing Tendency of Pollution in Daye Lake.....	LU Zhen, LI Ye, MA Xiao, ZHANG Ya-dong, HUANG Bo-long, ZHANG Meng, ZHU Li, LIU Cheng(174)
Non-point Pollution of Three Gorges Reservoir Region in Chongqing: Assessment and Affecting Factors.....	YANG Mei-cheng, WANG Pu, LIU Xiao-ming, GAN Fu-ning, WANG Jun, TANG Zi-yi(179)
Heavy Metals in Sediments of Taizi River in Liaoning: Pollution Situation and Potential Ecological Risk.....	SHAO Jian, ZHAO Xiao-juan(184)
Application and Review on Treatment Methods about Several Kinds of Grid Data.....	JIANG Xin-jun(189)
System Dynamics Analysis for Water Quality Improvement in Beihu Lake Basin.....	HU Rui, SHE Jian, PENG Ying, WANG Pan(189)
Functional Zoning for Spatial Development of Downstream Small River-basin of Huihe: A Case Study in Jiangsu's Coastal Regions	ZHOU Jia-yan, LI Bing, WANG Shui, LIU Wei, TIAN Ai-jun, GAO Ming(198)
Livestock Excrement Generated in Hainan Province: Distribution and Loading on Arable Land.....	ZHOU Zu-guang(202)