

目 录

本刊报道

废弃塑料的回收方法:资源化、能源化已成为当今发展趋势
汪煥心(1)

特 稿

银杏外种皮提取工艺研究进展
张洪玉,赵明军,周 状等(3)

离子液体在气体吸附中的研究进展
竺 琴,张 焜,苏流坤(6)

双亲共聚物 PIDHES 的自组装及乳化性能研究
朱洁莲,刘 仁,安丰磊(10)

臭氧-内电解协同作用处理印染废水的实验研究
王立军,阮新潮,曾庆福等(14)

专论与综述

吴茱萸生物碱的提取工艺和含量分析研究概况
黄厚泽,谭明雄,李冬青(17)

离子注入修饰电极在药物测定中的应用
李文杰,李 宁,罗 辉等(19)

卤代甲醛的电离势和电子亲和势的理论研究
卢金凤,吴义芳,郝章玉等(22)

染料木素结构修饰研究进展
王秋亚,高锦红(25)

TiO₂ 薄膜材料的制备及其性能的研究进展
张自升,张艳玲,黄世涛(28)

分子筛膜渗透蒸发技术研究进展
周志辉,吕振华,刘 红(31)

BaMgAl₁₀O₁₇:Eu²⁺ 蓝色荧光粉表面包覆技术研究进展
王贵超,李志光,何纯莲等(36)

矿物药赤石脂的研究进展
孙文君,周灵君,丁安伟(39)

二甲醚合成技术及深加工利用现状及发展趋势
王 丹,李文凤,吴 迪等(42)

膨胀型阻燃剂的研究进展
张 帆,张 翔(44)

锂电池正极薄膜材料研究进展
江润霞,梁海霞(47)

微波在有机碱催化反应中的研究进展
胡彩玲(50)

丁基橡胶的应用研究技术进展
胡开放,刘志琴,潘广勤等(53)

纳米 TiO₂ 光催化降解工业污水的因素权重评价
任朝华(55)

基于离心力驱动微流控芯片的研究进展
张 玲,王传虎(57)

运用 LCA 方法研究稀土 Nd-Fe-B 永磁体生产的环境负荷
张 伟,冯秀娟,唐敏康(59)

我国道路标线的发展和应 用
赵洪凯,王洪杰,赵广宇(61)

菱镁材料改性研究进展
梁美东(65)

制纯氧分子筛
龙春霞(67)

虚拟仪器的发展以及在化学工程领域中的应用
梁 红,薛 宁,孙玉晓(70)

科学实验

硅藻土/天然橡胶复合材料的性能研究
彭 政,罗勇悦,权维燕等(73)

磁微粒子 Fe₃O₄ 纯化 CdS 纳米晶的实验研究
许荣辉,肖发新,文九巴等(77)

二氧化钛纳米管阵列制备和光催化降解亚甲基蓝
朱玉婵,汪德兵,万 里等(81)

苦荞粉中生物碱的提取研究
陶 明,罗 茜(83)

卤水对碱性印染废水脱色处理的初步研究
刘军深,李海梅,王春艳(85)

稀土元素对光纤表面化学镀镍的影响
彭 健,杨 郭,周 宇(87)

失效氧化铝再生过程中两种氧化技术工艺研究
李加加,李玉婷,龙志华等(89)

SiO₂ 复合纳米粒子的制备及其性能
赵彦巧,李建颖,王文忠(91)

超支化聚合物对聚丙烯等温结晶动力学的影响
刘广田,李书存(94)

超声波催化合成 N³- 苄基喹啉咪类化合物
王 鹏,张树华,田 亮等(97)

催化剂的失活研究及其在使用中的改进建议
丁华成,苑剑峰(100)

以地沟油为原料酶法合成生物柴油的研究
付瑞新,龙德安,王 明等(102)

乙酰柠檬酸三丁酯的合成优化
金 波,宋同辉,刘尚文(105)

焦炉气制甲醇对 PDS 湿法脱硫的分析
柯国良(107)

萃取精馏分离碳酸二甲酯混合物的模拟研究
梁国颜,肖 丰,高维平(109)

焦化蜡油络合脱氮技术研究
宋金鹤,辛明瑞,王 丹等(112)

柠檬酸选择性降低烟气烟碱
王文斌,袁 龙,孙俊举等(114)

醇醚磺基琥珀酸单酯二钠盐合成中试研究
吴红平,方灵丹,王 侃等(117)

烟草 pH 值对烟气烟碱的影响
徐 峻,蔡 兵(119)

超声波提取火龙果肉红色素的初步工艺研究
蓝培基,黄迪南,候 敢(121)

三嵌段共聚物大分子引发剂的合成
任 伟,王 薇(125)

过渡金属-甲基咪唑-氟化物的水热合成研究
刘慕芸,巫惠霞,童义平(127)

从山楂中提取原花青素的热回流法工艺研究
李瑞丽,李 晓(129)

灵芝提取灵芝多糖的中间试验研究
周 斌,吕 扬(131)

磷酸-铵产品中水份对氮磷含量影响的分析
陈清究,胡曾毅(133)

两种植物在氯化钠介质中对 Q235 钢缓蚀性能的研究
黄云云,董平凡,刘 曦(135)

密封条件下超声法制备薄荷油 β- 环糊精包合物研究
刘 汉(136)

分析测试

SPE-GC/MS 法快速检测水体中多组分内分泌干扰物
潘文碧,孙雅峰,井 晶等(139)

邻菲罗啉光度法测定黑液中总铁含量的研究
邢 霞,刘学文,陈 玉(144)

广州化工

GUANGZHOU HUAGONG

《中国学术期刊综合评价数据库》统计源刊
《中国核心期刊(遴选)数据库》全文收录期刊
《中国期刊全文数据库》全文收录期刊
高、中、初级化工职称资格评审认定期刊

1973 年创刊(月刊)

第 38 卷第 11 期

万方数据 2010 年 11 月

主管:广州化工集团有限公司

主办:广州化工研究设计院

广州市化工行业协会

协办:广州市化学化工学会

《广州化工》编辑部

主编:张 统

副主编:吴文莉

编辑:罗方琪 邹慧明 林珺颖

广告:茅仁旭 罗方琪

火焰原子吸收光谱法测定膨化食品中的微量元素	李智利, 谢 婷 (147)
离子色谱法测降水中硫酸根离子的不确定度评定	高梅芷 (149)
高效液相色谱法测定碘盐中碘化物的含量	何光涛, 赵秋香, 陈福强等 (151)
原子荧光法测定砷及其不确定度分析	刘 莺 (153)
气相色谱—串联质谱测定菠菜中有机氯残留量	孙嘉丽, 李晓玉, 隋 涛 (155)
吸光光度法测定双氧水中总碳含量	魏兰军 (158)

环境保护

垂直流人工湿地内水流流态分析	范立维, 卢泽湘, 海热提等 (160)
城市污泥中重金属稳定性的化学形态分析	杨建浩, 吴 溶, 汪 伦 (163)
钙铝石去除废水中 Cr(VI) 的研究	解彦刚, 张益平, 何晓春 (165)
膜生物反应器的优化设计	朱庆斌, 叶群辉, 蔡丽云 (168)
醋酸废水回收利用技术研究	李文凤, 王 丹, 吴 迪等 (171)
室内空气污染物及防治	杨 爽, 康瑞琴, 郭常颖 (173)

化工机械

氯化铵盐对连续重整装置的影响与对策	陈国平, 张 军 (175)
浅谈气化炉燃烧室耐火材料砌筑要点	别业辉 (178)
乙烯急冷单元损伤机理分析与风险评估	司 俊, 罗晓明, 顾福明等 (180)

生产技术

新建循环水系统清洗预膜及相关问题探讨	纪东东 (183)
硫酸法钛白清洁生产研究	李婉茹, 王向工, 张淑春 (185)
氧化铁脱硫剂脱除煤气中硫化氢的技术探讨	孙小娟, 陈晓明 (187)
硝酸—硝酸铜电解精炼高杂阳极铜的生产实践	王克新 (189)
VPSA 技术在干气回收氢气的应用	薛重阳 (191)
常温有机硫水解串活性碳精脱硫工艺的工业应用	张乐国 (195)
催化裂化装置三旋的问题分析及技改措施	周金宁, 徐存铭 (197)
3+1 塔甲醇精馏的流程特点与工艺分析	陈迎春 (200)

教学园地

无机非金属材料工艺学课程的改革与建设	宋 鹏, 王 琦 (202)
教学质量监控体系建设的研究与实践	吴全才, 雷旭霞, 刘春彦等 (204)
《体内药物分析》教学实践与思考	陈 稚, 吴都督, 蔡 春等 (207)
工程材料的教学探讨	樊静波, 邓安强, 夏广军等 (209)

行动导向在高职《精细有机合成技术》中的应用	赵昊昱 (211)
环境监测实践教学新模式思考	祝春水, 马卫兴 (214)
分析化学实验教学改革	杨 珊 (217)
浅谈高分子材料与工程专业实践教学平台的构建	陈 厚, 曲荣君, 王春华等 (220)
实验《碱金属和碱土金属》存在问题的探究	张引莉, 范 广, 孙家娟 (221)
环境化学教学要注重区域和专业特点	白书立, 李换英, 管玉江等 (223)
基于工作过程的“化工产品合成”课程建设	高 庆, 沈发治 (225)
化工原理实验“准现场”教学法探索与实践	葛业君 (228)
Aspen one v7 在分离工程教学中的应用	路华清 (230)
培养大学生科技创新能力的探索与实践	贺楚华, 阳鹏飞, 王榆元等 (232)
公共选修课《Matlab 基础》的教学探讨	侯珂珂, 孟耀伟 (234)
制药工程专业药物分析教学改革的探讨	张家骊 (236)
无机与分析化学精品课程建设的探索与体会	张致慧, 陈若愚, 朱建飞 (238)

化工管理

松节油固有危险程度的安全设施设计及评价	兰仙灵, 李 舜 (240)
福清市工业锅炉水质情况调查分析	张祥楼 (244)
“麦乐鸡事件”引发的思考	朱冬梅, 杨世哲, 李 莉等 (245)
高校消防安全管理现状及对策分析	廖启霞, 孟亦飞 (248)

化工信息

市场趋向	(251)
产品开发	(251)
新发明	(252)
配方精选	(253)

第八届编委会成员名单

主任: 崔英德

副主任: 叶家灿、白 莉

秘书长: 张 统

委员: (排名不分先后)

钱 宇、童叶翔、余 林、王乐夫、何榕友、
杨育农、马小明、郑 成、麦堪成、彭 峰、
赵建青、尹国强、刘自力、李大光、杨定乔、
黄道平、李改科、刘国光、陈国华、董新法、
方岩雄、刘晓国、李雪辉、陈旭东、李锡安、
梁基照、熊 亚、曾庆焕、罗国钦、余慧文

编辑出版:《广州化工》编辑部

地址:广州市白云区石井石潭路潭村桥东

邮编:510430

电话:(020)36372165

传真:(020)36372165

E-mail:gzhgbjb@126.com

网址:www.gzhgbjb.cn

印刷:广州市东扬彩色印刷有限公司

发行范围:国内外公开发行

国外发行:中国出版对外贸易公司(北京 782 信箱)

收款单位:广州化工研究设计院

开户银行:广州市工商银行石井支行

帐号:3602025309000823574

国内定价:全年 180 元

国际标准刊号:ISSN1001-9677

国内统一刊号:CN44-1228/TQ

广告经营许可证:穗工商广字 4401004002668 号

出版物经营许可证:新出发粤刊总批字第 226 号

CONTENTS

- Research Advance on Extraction Technology of Exopleura of *Ginkgo biloba* L. ... ZHANG Hong - yu, ZHAO Ming - jun, ZHOU Zhuang, et al. (3)
- Research Progress on Gas Adsorption in Ionic Liquids ZHU Qin, ZHANG Kun, SU Liu - kun(6)
- Self - assembly and Emulsification Behavior of Amphiphilic Copolymer PIDHES ZHU Jie - lian, LIU Ren, AN Feng - lei(10)
- Study of the Disposal of Dye Wastewater with Internal Electrolysis Enhanced by Ozone WANG Li - jun, RUAN Xin - chao, ZENG Qing - fu, et al. (14)
- Review of the Extraction and Content Analysis of Alkaloids in *Evodia rutaecarpa* (Juss.) Benth HUANG Hou - ze, TAN Ming - xiong, LI Dong - qing(17)
- Application of Ion Implanted Modified Electrode in Determination of Medicines LI Wen - jie, LI Ning, LUO Hui, et al. (19)
- Theoretical Study of Ionization Potential and Electron Affinity of Formylhalide LU Jin - feng, WU Yi - fang, YU Zhang - yu, et al. (22)
- Research Development of the Structure Modifications of Genistein WANG Qiu - ya, CAO Jin - hong(25)
- Research Progress of Preparation and Properties of TiO₂ Thin Films ... ZHANG Zi - sheng, ZHANG Yan - ling, HUANG Shi - tao(28)
- Mechanism and Application of Pervaporation through Zeolite Membranes ZHOU Zhi - hui, LV Zhen - hua, LIU Hong(31)
- The Progress of Study on Surface Coating Technology of BaMgAl₁₀O₁₇: Eu²⁺ Blue Phosphor WANG Gui - chao, LI Zhi - guang, HE Chun - lian, et al. (36)
- A Summary of Research and Development of Mineral Drug Halloysitum Rubrum SUN Wen - jun, ZHOU Ling - jun, DING An - wei(39)
- The Status and Trend of the Synthesis of Dimethyl Ether WANG Dan, LI Wen - feng, WU Di, et al. (42)
- Research Progress on Intumescent Flame Retardant ZHANG Fan, ZHANG Xiang(44)
- Research of Micro - film Lithium Battery Materials JIANG Run - xia, LIANG Hai - xia(47)
- Research Progress on Microwave in the Base - catalyzed Organic Reactions HU Cai - ling(50)
- Research Development of Butyl Rubber Application HU Kai - fang, LIU Zhi - qin, PAN Guang - qin, et al. (53)
- Assessment on the Power of Factors of Nano TiO₂ Photocatalytic Degradation of Industrial Wastewater REN Zhao - hua(55)
- Study Progress on Centrifugal - driven Microfluidic Chip ZHANG Ling, WANG Chuan - hu(57)
- Study of Rare Earth Nd - Fe - B Permanent - magnets Produced by Environmental Load with LCA ZHANG Wei, FENG Xiu - juan, TANG Min - kang(59)
- The Developments and Application of Road Marking Materials in Our Country ZHAO Hong - kai, WANG Hong - jie, ZHAO Guang - yu(61)
- The Progress of Magnesite Material Modifiers LIANG Mei - dong(65)
- Zeolite for Producing High Purity Oxygen LONG Chun - xia(67)
- Virtual Instruments Development and its Application in the Field of Chemical Engineering LIANG Hong, XUE Ning, SUN Yu - xiao(70)
- The Property of Diatomite/Natural Rubber Blends PENG Zheng, LUO Yong - yue, Wei - yan Quan, et al. (73)
- Experimental Study on Purification of CdS Nanocrystals by Using Magnetite Nanoparticles Fe₃O₄ XU Rong - hui, XIAO Fa - xin, WEN Jiu - ba, et al. (77)
- Preparation of TiO₂ Nanotubes Arrays and Photocatalytic Degradation of Methylene Blue ZHU Yu - chan, WNAG De - bing, WAN Li, et al. (81)
- Study on Extraction of Total Alkaloids from Buckwheat Flour TAO Ming, LUO Qian(83)
- Discoloration of Basic Printing and Dyeing Wastewater with Brine LIU Jun - shen, LI Hai - mei, WANG Chun - yan(85)
- Influence of Rare Earth on Electroless Ni - P - B on the Surface of Optical Fiber PENG Jian, YANG Guo, ZHOU Yu(87)
- The Study of Two Oxidation Processes during the Production of Regeneration Alumina LI Jia - jia, LI Yu - ting, LONG Zhi - hua, et al. (89)
- Preparation and Characteristics of SiO₂ Composite Nanoparticles ZHAO Yan - qiao, LI Jian - ying, WANG Wen - zhong(91)
- The Effect of Hyperbranched Polymer on Isothermal Crystallization Kinetics of Polypropylene LIU Guang - tian, LI Shu - cun(94)
- Synthesis of N³ - Benzylquinazolin - 4 - one under Ultrasonic Irradiation WANG Peng, ZHANG Shu - hua, TIAN Liang, et al. (97)
- Catalyst Deactivation and Some Improvement Proposals DING Cheng - hua, YUAN Jian - feng(100)
- Study of Producing Biodiesel from Waste Oils Catalyzed by Enzyme ... FU Rui - xin, LONG De - an, WANG Ming, et al. (102)
- Synthesis Optimization of Acetyl Tributyl Citrate JIN Bo, SONG Tong - hui, LIU Shang - wen(105)
- Analysis of Preparation of Methanol with Coke Oven Gas to PDS Wet Desulfurization KE Guo - liang(107)
- Study on Simulation of Separation of DMC Mixture by Extractive Distillation LUAN Guo - yan, XIAO Feng, GAO Wei - ping(109)
- Removing Nitrogen Compounds from CGO by Complexation Reaction SONG Jin - he, XIN Ming - rui, WANG Dan, et al. (112)
- Decrease of Smoke and Nicotine Selectively with Citric Acid WANG Wen - bin, YUAN Long, SUN Jun - ju, et al. (114)
- Study on the Pilot Production of Disodium Ether Sulfosuccinate WU Hong - ping, FANG Ling - dan, WANG Kan, et al. (117)
- The Influence of Tobacco pH on Nicotine in Mainstream Smoke XU Jun, CAI Bing(119)
- Primary Study on Ultrasonic Extraction Technology of Red Pigment from Pitaya LAN Pei - ji, HUANG Di - nan, HOU Gan(121)
- Synthesis of Macromolecular Initiator of Triblock Copolymer REN Wei, WANG Wei(125)
- Study of Synthesis of Transition Metal Complexes with 1 - methylimidazole and Fluoride with Hydrothermal Method LIU Mu - yun, WU Hui - xia, TONG Yi - ping(127)

GUANGZHOU CHEMICAL INDUSTRY

Open Publishing

Established in 1973 (Monthly)

Vol. 38 No. 11

Nov. 2010

Chief Editor: ZHANG Tong

万方数据

Editor:

The "GUANGZHOU CHEMICAL INDUSTRY"

Editorial Office:

(Address: Bridge(E.) Shitan Road, Shijing,
Baiyun District, Guangzhou, China)

- The Extraction of Procyanidins from Hawthorn Using Circumfluence ... *LI Rui - li, LI Xiao* (129)
- Study on Intermediate Test of Extraction of Ganoder Lucidum Polysaccharide from Ganoderma Lucidum *ZHOU Bin, LV Yang* (131)
- Analysis the Impact of Moisture to Nitrogen and Phosphorus Content of MAP Product *CHEN Qing - xian, HU Zeng - yi* (133)
- Two Plants in NaCl Medium on the Corrosion Performance of Steel Q235 *HUANG Yun - yun, DONG Ping - fan, LIU Xi* (135)
- Preparing Inclusion Compound of β - cyclodextrin with Peppermint Oil under the Conditions of Sealing by Ultrasonic Method *LIU Han* (136)
- Fast Determination of Multi - component Endocrine Disruptors in Water with SPE - GC/MS *PAN Wen - bi, SUN Ya - feng, JING Jing, et al.* (139)
- Determination of Total Iron in Paper - making Black Liquor with Spectrophotometer Phenanthroline Method *XING Xia, LIU Xue - wen, CHEN Yu* (144)
- FAAS Determination of Six Trace Elements in Puffed Food *LI Zhi - li, XIE Ting* (147)
- Uncertainty Calculation of Detecting Sulfate Ion in Precipitation by Ion Chromatographic Method *GAO Mei - zhi* (149)
- Determination of Iodide in Iodized Salt by HPLC *HE Guang - tao, ZHAO Qiu - xiang, CHENG Fu - qiang, et al.* (151)
- Detection and Uncertainty Analysis of Antimony in Water with Atomic Fluorometry *LIU Ying* (153)
- Determination of Organochlorines Multiresidues Content in Spinach by GC - MS/MS *SUN Lei - li, LI Xiao - yu, SUI Tao* (155)
- Spectrophotometric Determination of Total Carbon Content of Hydrogen Peroxide *WEI Lan - jun* (158)
- Analysis of the Water Flow Patterns in the Vertical Flow Constructed Wetlands *FAN Li - wei, LU Ze - xiang, HAI Re - ti, et al.* (160)
- Chemical Analysis of the Heavy - metal Stability in the Municipal Sludge *YANG Jian - hao, WU Rong, WANG Lun* (163)
- Study of Removing Cr^{6+} in Wastewater with Mayenite *XIE Yan - gang, ZHANG Yi - ping, HE Xiao - chun* (165)
- Optimization of Membrane Bioreactor *ZHU Qing - bin, YE Qun - hui, CAI Li - yun* (168)
- The Recovery of Acetic Acid from Industrial Waste *LI Wen - feng, WAND Dan, WU Di, et al.* (171)
- Indoor Air Pollutants and Control *YANG Shuang, KANG Rui - qin, GUO Chang - ying* (173)
- Impact of Ammonium Chloride Salt to CCR Platforming and Countermeasures *CHEN Guo - ping, ZHANG Jun* (175)
- Brief Discussion on Lining Gist for Refractory Material of Gasifier Firebox *BIE Ye - hui* (178)
- Analysis of Damage Mechanism and RBI of Ethylene Quench Unit *SI Jun, LUO Xiao - ming, GU Fu - ming, et al.* (180)
- Cleaning and Prefilming of the New Building Recirculating Cooling Water System and Correlative Question *Ji Dong - dong* (183)
- Study on the Clean Production of Producing Titanium Dioxide with Sulphate Process *LI Wan - ru, WANG Xiang - gong, ZHANG Shu - chun* (185)
- Technology Discuss of Removing Hydrogen Sulfide in Coal Gas by Iron Oxide Desulfurizer *SUN Xiao - juan, CHEN Xiao - ming* (187)
- Practice of High Impurities Copper Electrolysis with $CuNO_3 - HNO_3$ System *WANG Ke - xin* (189)
- Application of VPSA Technology in the Project of Hydrogen Recovery from Dry Gas *XUE Chong - yang* (191)
- Industrial Use of Organic Sulfur Hydrolysis at Normal Temperature and Precise Desulfurization with Active Carbon *ZHANG Le - guo* (195)
- The Analysis and Solution of the Three - level Cyclone Separator of FCC *ZHOU Jin - ning, XU Cun - ming* (197)
- The Flow Features and Process Analysis of 3 + 1 Columns Methanol Distillation *CHEN Ying - chun* (200)
- Teaching Reformation and Construction of Inorganic Nonmetallic Materials Technology *SONG Peng, WANG Qi* (202)
- Study and Practice on Establishing the System of Supervisory Control for Teaching Quality *WU Quan - cai, LEI Xu - xia, LIU Chun - yan, et al.* (204)
- A Practice and Reflection on the Teaching of Biopharmaceutical Analysis *CHEN Zhi, WU Du - du, CAI Chun, et al.* (207)
- Discussion of the Teaching of Engineering Materials *FAN Jing - bo, DENG An - qiang, XIA Guang - jun, et al.* (209)
- Application of Action - orientated in Technology of Fine Organic Synthesis in Higher Vocational Education *ZHAO Hao - yu* (211)
- Reflection on the New Practice Teaching Mode of Environmental Engineering *ZHU Chun - shui, MA Wei - xing* (214)
- The Reform of Experiment Teaching of Analytical Chemistry *YANG Shan* (217)
- Discussion of Building the Practice Teaching Platform of Polymer Materials and Engineering *CHEN Hou, QU Rong - jun, WANG Chun - hua, et al.* (220)
- Exploration of Problems about Experiment of Alkali Metal and Alkaline Earth Metals *ZHANG Yin - li, FAN Guang, SUN Jia - juan* (221)
- Regional Points and Professional Characteristics of Environmental Chemistry Teaching *BAI Shu - li, LI Huan - ying, GUAN Yu - jiang, et al.* (223)
- The Course Construction of "Chemical Synthesis" Based on the Work Process - oriented *GAO Qing, SHEN Fa - zhi* (225)
- Exploration and Practice of the Principles of Chemical Engineering Experimental Teaching by Quasi Site Teaching *GE Ye - jun* (228)
- The Application of Aspen One v7 in Chemical Separation Engineering Teaching *LU Hua - qing* (230)
- Research and Practice of Cultivating the University Student's Scientific and Technological Innovation Ability *HE Chu - hua, YANG Peng - fei, WANG Yu - yuan, et al.* (232)
- Discussion on Public Elective Course of Matlab Teaching *HOU Ke - ke, MENG Yao - wei* (234)
- Teaching Reform of the Pharmaceutical Analysis Course of Pharmacy Engineering *ZHANG Jia - li* (236)
- Exploration and Experience on the Construction of Inorganic and Analytical Chemistry Excellence Course *ZHANG Zhi - hui, CHEN Ruo - yu, ZHU Jian - fei* (238)
- The Equipment Safety Design and Assessment of the Inherence Criticality of Turpentine Oil *LAN Xian - ling, LI Shun* (240)
- A Survey on the Analysis of the Water Quality for Industrial Boilers in Fuqing *ZHANG Xiang - lou* (244)
- The Thoughts Resulting from "The McNuggets" *ZHU Dong - mei, YANG Shi - zhe, LI Li, et al.* (245)
- Fire Safety Management Status and Countermeasure Analysis in University *LIAO Qi - xia, MENG Yi - fei* (248)

Guangzhou Research & Design Institute of
Chemical Industry
Postcode: 510430
Tel: (020) 36372165 Fax: (020) 36372165
E - mail: gzhgbjb@126.com
www. gzhgbjb. cn

Publisher :

Guangzhou Research & Design Institute of
Chemical Industry

Guangzhou Society of Chemistry
and Chemical Engineering
Guangzhou Chemical Industry Association

Journal Code ISSN 1001 - 9677
CN 44 - 1228/TQ