

目 次

• 纺织与材料科学

棉混纺织物三防整理新工艺研究..... 尹 宇,王春梅,习智华(727)

薄荷精油微胶囊的制备及其在鞋垫中的应用..... 戚海娜,李 龙,李 慧(735)

一种抗菌纤维的制备及其抗菌性..... 王 森(742)

• 化学化工与环境工程

固相萃取-气相色谱/质谱法检测纺织品中全氟辛酸的含量..... 张 颖,张洛红,赵路霞(747)

低温氮等离子体改性聚丙烯腈超滤膜及其光谱诊断..... 李秋怡,李 茹,樊 琰,张 琪,李 青(752)

烧结制度对 SiO₂ 及 Al₂O₃-SiO₂ 陶瓷膜性能的影响..... 高婷婷,同 帜,张 帅,高 丹,行 静(758)

酚醛腐植酸树脂的制备及其对 Cu²⁺ 的吸附效应..... 骆晓琳,郭雅妮,徐斗均(764)

西安市不同功能区 PAHs 组分分布特征..... 闫婷婷,谭志海,龙艳侠,郭学东(769)

• 电子信息

基于学习的 Gabor 滤波器多样式布匹瑕疵检测.....

..... 薛婷婷,刘秀平,张凯兵,王 珍,闫亚娣,闫焕营(775)

电流相位特征的配电网方向元件研究..... 饶 楚,邵文权,夏经德(781)

电弧小波能量谱下的输电线单相重合闸故障识别..... 施 荣,彭 俊,王 涛,卢 俊(788)

基于改进混合高斯模型的车辆多目标检测方法..... 李 琦,南恺恺,景军锋(795)

汽轮发电机组次同步谐振评估方法..... 冉 媛,郭昆丽,纪 超,高师杰,程 远(803)

基于视觉显著性的刀具磨损分割..... 管声启,王 杰,李文森,洪奔奔,雷 鸣(810)

基于双碰撞位的改进返回式二进制防碰撞算法..... 陈 宁,岳青青(816)

• 经济与管理

国有建筑企业股权多元化对战略绩效的影响..... 郭 伟,张 栋,蒋 胜(822)

基于区块链的电子仓单流转平台建设..... 蒋东东,商玉林,田 野,陆泽楠(828)

• 基础科学

改进惯性权值的粒子群优化算法..... 南杰琼,王晓东(835)

保持 (r, s) -一致相对熵的映射结构..... 杨 臻,刘 璐(841)

一种精英反向学习的花授粉算法..... 张 超(847)

启事..... (821)

CONTENTS

• Textile and Material Science

- Study on new process of three proofing finishing of cotton blended fabric
..... *YIN Yu,WANG Chunmei,XI Zhihua*(727)
- Preparation of peppermint essential oil microcapsules and its application in the deodorant insole
..... *QI Haina,LI Long,LI Hui*(735)
- An antibacterial fiber preparation and its antimicrobial properties *WANG Miao*(742)

• Chemistry and Chemical Eng . • Environmental Eng .

- Determination of perfluorooctanoic acid (PFOA)in textiles by solid-phase extraction-gas chromatography/mass spectro
metry *ZHANG Ying,ZHANG Luohong,ZHAO Luxia*(747)
- Polyacrylonitrile ultrafiltration membrane modified by low temperature N₂ plasma and its spectral diagnosis
..... *LI Qiuqi,LI Ru,FAN Yan,ZHANG Qi,LI Qing*(752)
- Effect of sintering system on the properties of SiO₂ ceramic membrane and Al₂O₃-SiO₂ ceramic membrane
..... *GAO Tingting,TONG Zhi,ZHANG Shuai,GAO Dan,XING Jing*(758)
- Preparation of phenol formaldehyde-humic acid resin and its adsorption effect on Cu²⁺
..... *LUO Xiaolin,GUO Yani,XU Doujun*(764)
- The distribution of PAHs in different functional area in Xi'an
..... *YAN Tingting,TAN Zhihai,LONG Yanxia,WU Xuedong*(769)

• Electronic Information

- Learning-based Gabor filter in multi-style fabric defect detection
..... *XUE Tingting,LIU Xiuping,ZHANG Kaibing,WANG Zhen,YAN Yadi,YAN Huanying*(775)
- Research on the directional component using the current phase characteristics in distribution system
..... *RAO Chu,SHAO Wenquan,XIA Jingde*(781)
- Fault diagnosis of single-phase reclosing based on wavelet energy spectrum analysis in transmission line
..... *SHI Rong,PENG Jun,WANG Tao,LU Jun*(788)
- Multi-target detection method for vehicles based on improved Gaussian mixture model
..... *LI Xun,NAN Kaikai,JING Junfeng*(795)
- Subsynchronous resonance evaluation method of steam turbine and generator units
..... *RAN Yuan,GUO Kunli,JI Chao,GAO Shijie,CHENG Yuan*(803)
- Tool wear segmentation based on visual saliency
..... *GUAN Shengqi,WANG Jie,LI Wensen,HONG Benben,LEI Ming*(810)
- An improved regressive-style binary anti-collision algorithm based on double collision bits
..... *CHEN Ning,YUE Qingqing*(816)

• Economy and Management

- The influence of equity diversification of state owned construction enterprises on strategic performance
..... *GUO Wei,ZHANG Dong,JIAN Sheng*(822)
- The construction of electronic warehouse receipts circulation platform based on blockchain
..... *JIAN Dongdong,SHANG Yulin,TIAN Ye,LU Zenan*(828)

• Basic Science

- Particle swarm optimization algorithm with improved inertia weight *NAN Jieqiong,WANG Xiaodong*(835)
- The map structure of keeping the (r,s)-unified relative entropy *YANG Liu,LIU Lu*(841)
- A flower 列方数据 algorithm based on elite opposition-based learning *ZHANG Chao*(847)