



电镀与涂饰

ELECTROPLATING & FINISHING

ISSN 1004-227X

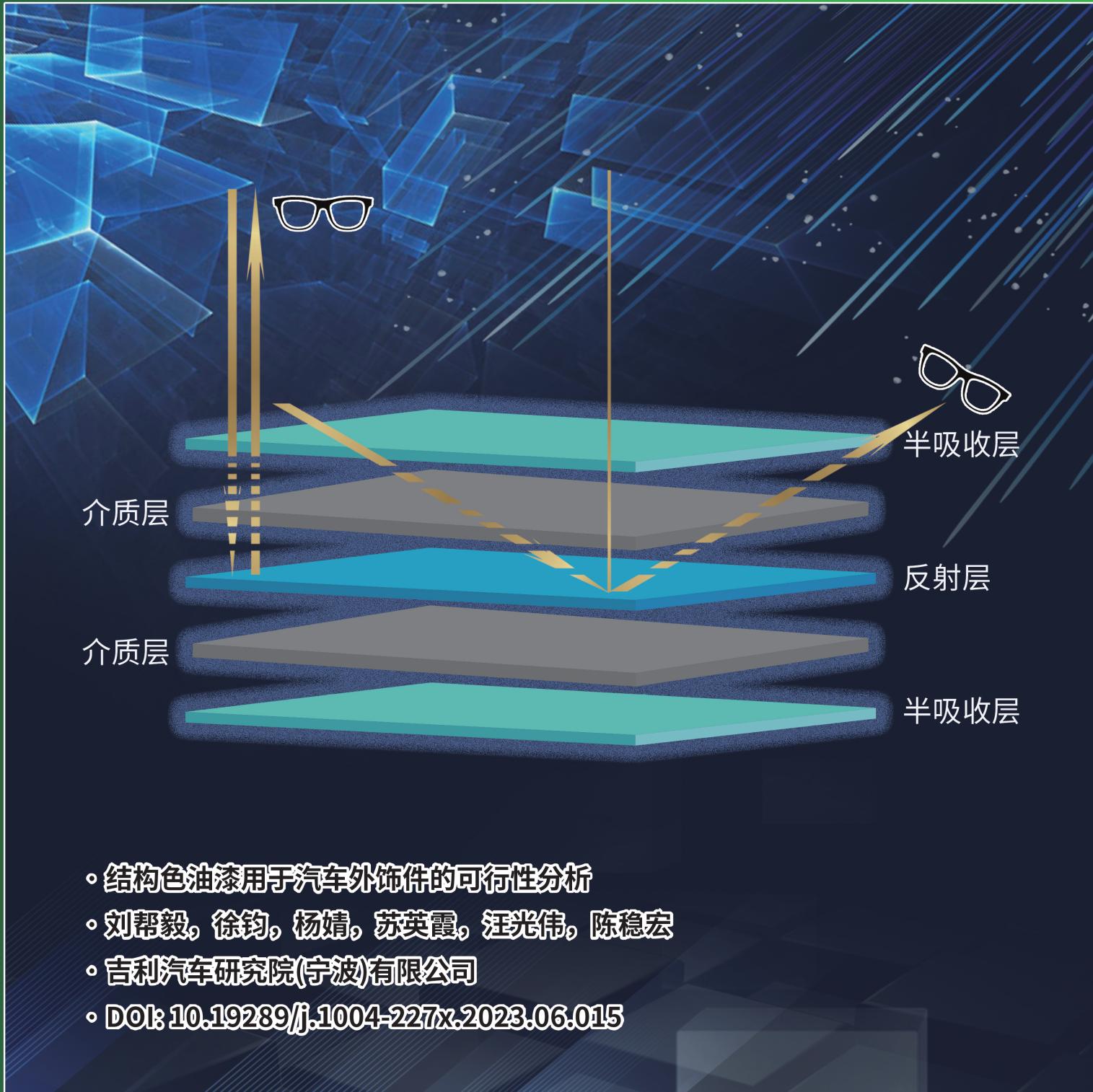
CN 44-1237/TS



广州大学 主办
广州二轻研究所 承办

中文核心期刊·中国科技核心期刊·中国期刊方阵双百期刊·新中国成立七十周年精品期刊·科技期刊世界影响力指数报告收录期刊

电
镀
与
涂
饰



- 结构色油漆用于汽车外饰件的可行性分析
- 刘帮毅, 徐钧, 杨婧, 苏英霞, 汪光伟, 陈稳宏
- 吉利汽车研究院(宁波)有限公司
- DOI: 10.19289/j.1004-227x.2023.06.015

2023年·第42卷·第6期·3月下

二〇二三年 第四十二卷 第六期 三月下



目 次

涂装技术

1 涂装车间转产不同平台车型的方案和方法

邹鹏

11 陶化前处理在搅拌车结构件喷粉工艺中的应用

杨生林, 王登祥

17 汽车后尾门电泳工艺方案应用研究

万松, 刘巍

22 电泳漆泳透力和满足防腐要求的最低膜厚试验研究

边春利, 杨牧, 王少猛

27 耐高温腻子在搅拌车结构件喷粉工艺中的应用

杨生林, 王登祥, 程连昌

32 哑光清漆在水性 B1B2 汽车涂装中的应用

李文鹏, 裴一庆, 许能才, 王兵, 屈斌, 汪金东, 李建国

37 底层处理工艺对双色车新材料附着力的影响

王丽, 王艳萍, 王学飞

42 汽车涂装线供胶系统清洗投罐过程

于超, 苏玉霞, 谢国菊

47 汽车涂装车间两种板材混线前处理磷化膜外观缺陷问题的解决

禤明妮, 黄超群

52 车身门框边缘电泳黑色条纹问题的原因分析

张涛, 董美琛, 张焕亮, 高丙峰, 杨瀛涛, 冯岩

56 车身涂装常见电泳流痕问题解析

张亚磊, 程晓雪

62 驾驶室车门电泳流痕产生的原因及整改措施

赵川宁, 陈阳, 宋廷

67 几种客车涂装漆面常见外观细节缺陷及其改善对策

杨海涛, 许震, 王伟, 程振明

72 一次喷涂车身前后门目视色差问题的分析

杨牧, 边春利

涂料技术

76 结构色油漆用于汽车外饰件的可行性分析

刘帮毅, 徐钧, 杨婧, 苏英霞, 汪光伟, 陈稳宏

81 彩色水切耐光性能研究

夏文科, 项子彦, 刘帮毅, 汪光伟, 陈矗, 谷鹏程, 陈稳宏



CONTENTS

Painting Technology

- 1 Planning and implementation for transferring a model of car to a paint shop with different platform** *ZOU Peng*
- 11 Application of zirconization as pretreatment for powder spraying on structural components of transit mixer** *YANG Shenglin, WANG Dengxiang*
- 17 Study on electrophoretic painting process for automotive decklid** *WAN Song, LIU Wei*
- 22 Throwing power test of e-coat paint and determination of its minimum thickness required for anticorrosion of vehicle** *BIAN Chunli, YANG Mu, WANG Shaomeng*
- 27 Application of high-temperature-resistant putty in powder spraying on structural components of transit mixer** *YANG Shenglin, WANG Dengxiang, CHENG Lianchang*
- 32 Application of matte varnish in waterborne B1B2 automotive painting process** *LI Wenpeng, PEI Yiqing, XU Nengcai, WANG Bing, QU Bin, WANG Jindong, LI Jianguo*
- 37 Effects of different treatment processes for bottom layer on adhesion of a new two-tone-car coating** *WANG Li, WANG Yanping, WANG Xuefei*
- 42 Cleaning and preparation of adhesives and sealants supply system in automotive painting line** *YU Chao, SU Yuxia, XIE Guoju*
- 47 Solutions to appearance defects of phosphating films on two types of steel sheets used in a car painting workshop** *XUAN Mingni, HUANG Chaoqun*
- 52 Cause analysis on black stripe defect of electrocoating on door frame edge of car body** *ZHANG Tao, DONG Meichen, ZHANG Huanliang, GAO Bingfeng, YANG Yingtao, FENG Yan*
- 56 Analysis of flow mark defect commonly occurring on electrocoated film in car body painting** *ZHANG Yalei, CHENG Xiaoxue*
- 62 Causes of flow mark defect after electrocoating on cab door and countermeasures** *ZHAO Chuanning, CHEN Yang, SONG Ting*
- 67 Several common defects existing in appearance details of painted surface on bus and countermeasures** *YANG Haitao, XU Zhen, WANG Wei, CHENG Zhenming*
- 72 Analysis on a case of color difference between the coatings on front door and rear door** *YANG Mu, BIAN Chunli*

Coating Material

- 76 Feasibility study on application of a paint with multilayer-structured pigment to automotive exterior accessories** *LIU Bangyi, XU Jun, YANG Jing, SU Yingxia, WANG Guangwei, CHEN Wenhong*
- 81 Study on lightfastness of colored weatherstrip** *XIA Wenke, XIANG Ziyuan, LIU Bangyi, WANG Guangwei, CHEN Chu, GU Pengcheng, CHEN Wenhong*