

邮发代号:14-339
定 价:32元

www.gysjqk.com

工业设计 INDUSTRIAL DESIGN

全国高等美术教育学会会刊

12
总第185期
Dec. 2021

中国工业设计协会理事单位
综合性专业设计杂志

国际标准刊号:ISSN 1672-7053
国内统一刊号:CN23-1516/T

辞旧迎新话设计

DISCUSSIONS ABOUT DESIGN UPON THE NEW YEAR

回顾青年学者们的思考

A Review of Thinking of Young Scholars

第二届全国高校教师教学实践优秀美术作品展(二)

The 2nd Session National Outstanding Art Exhibition for Teaching Practices from College Teachers(II)



基于数字化的博物馆体验设计研究
Research on Digital-based Museum Experience Design

基于怀旧情感的文化创意产品设计思路
Design Ideas for Cultural and Creative Products Based on Nostalgia

情趣化设计在现代餐具中的表现形式探究
Exploration on Manifestation of Taste-and-interest-oriented Design in Modern Tableware

ISSN 1672-7053
9 771672 705210

万方数据

高校美育教育大家谈

008 回顾青年学者们的思考

专题报道

010 第二届全国高校教师教学实践优秀美术作品展（二）

主题资讯

- 016 迪拜世博会中国馆——“华夏之光”
- 017 向中国传统致敬——用回收的“塑料砖”建造火红色展馆
- 018 好戏连台，皮影戏新春
- 019 恭喜发财“红包”拿来
- 020 重塑传统春节活动符号的形象“年轻化”设计
- 022 桌面取暖器，带给您温暖的冬季
- 023 播放新年——音乐礼品
- 024 新春福袋设计
- 025 充满工业气息的新春海报设计

INDUSTRIAL DESIGN NO.12 CONTENTS 目录



科学与艺术

- 026 基于数字化的博物馆体验设计研究
- 028 基于双向可视化反馈的马拉松心率监测装备设计研究
- 030 浅谈峰终定律在家用小型产品优化设计中的运用

袁春雷 谢勇
吕惠琳 张亚先
廖雨楠 穆荣兵 张董

高等美术教育

- 032 “新工科”背景下的工业设计课程体系优化
- 034 浅析英国高校视觉传达设计硕士研究生教育的培养模式
- 036 混合式教学模式在环境设计专业《设计原理》课程中的应用
- 038 场景理论在《产品设计手绘》课程教学中的应用
- 040 《主题公园照明设计》课程中的设计案例研究——以鞍钢记忆钢铁主题公园夜景照明设计为例
- 042 翻转课堂在《生态环境设计研究》课程中的运用
- 044 产品设计思维在《产品表现技法》课程中的应用
- 046 基于 OBE 理念的应用型高校毕业设计课程教学改革探索
- 048 新媒体技术下的环境设计专业教学改革研究
- 050 以跨专业项目合作体系为导向的设计类专业群建设
- 052 《标志设计与 VI 设计》在线开放课程建设研究
- 054 混合式教学模式在室内设计课程中的应用研究

陈永超
张靖琪
侯寅峰 李艳明 卢青青
樊英语
李延鹏 程立
范蓓 朱慧敏
夏文殊
罗臻
邵娜
陆洲 余健
田静
马萍萍

设计与理论

- 056 乡村振兴背景下绿色宜居村镇建设策略研究——以安徽省宣城市桃花潭镇为例
- 059 服务设计视角下企业战略创新评价体系设计研究
- 062 浅析美式乡村风格在民宿家具设计中的应用研究——以莫干山十八迈精品民宿为例
- 064 基于怀旧情感的文化创意产品设计思路
- 066 基于适老化的家居设计探究
- 068 城市双修理念下的工业遗址改造设计研究——以吴江桃园水泥厂为例
- 070 快装型城市家具在高校公共空间设计中的应用研究
- 072 移情设计在脑梗患者辅助产品中的应用
- 074 基于用户需求的家庭分类垃圾桶设计研究
- 076 森林火灾逃生应急产品设计研究
- 079 空间可调节旅行箱设计研究
- 081 基于模块化设计思想的适老化卫浴产品设计研究

储云 季翔 唐苏敏
李鹤森 柳宝铨
马亿莲 傅凯
刘丽芳 林妍
李柯漾 王晟宇
刘海洋
王婕 仝晓晓
李想
朱丽璇 张敏言
裴爱真
李婷 张禄
周敏 刘允 经恩贤



1 First

INDUSTRIAL DESIGN NO.12 CONTENTS 目录



工业设计
INDUSTRIAL DESIGN

2

Second

- 083 教室局域灯开关改进设计研究 张明慧
085 情趣化设计在现代餐具中的表现形式探究 赵争强
088 传统漆艺的艺术语言在产品中的应用研究 陈开科
090 “少即是多”理念下的汽车品牌标志优化设计 张弛 韦智恩 王华琳
092 基于SD法的澳门关闸导视系统设计研究 丁梦雅
094 强势品牌下广告设计中的视觉语言表现研究 陈再染
096 汤姆·摩尔动画电影对中国民族动画发展的启示 乔易
098 乡村振兴背景下的民宿空间改造设计研究——以前洋村民宿空间改造设计为例 庄科举
100 中小城市多元场所公园的营造探析——以永城市日月湖公园设计为例 曹盼宫 国歌
102 互动设施介入地铁站域空间的设计研究 马辉 唐钰馨
104 南京定林寺藏经楼数字化展陈空间设计研究 路彩霞 宋益民 汪家雯
106 基于GIS的建设用地适宜性评价——以淮安市清江浦区为例 邢厚龙 周晶 朱文龙
108 基于可供性理论的置物架设计 崔月 杨永发 吕新宇
110 新媒体数字艺术在博物馆展陈设计中的应用研究 王泽乾 侯霍玉 路炜峰
112 组合式板式家具的创新设计 何艳

前沿与动态

- 114 基于社会创新理念的社区宠物犬粪便处理服务系统设计 张毓倩 李敏
116 智能空调产品中的人机交互设计研究 邓晗
118 基于用户体验的乡村医生出诊服务系统设计 朱文艺 匡越 杨卓松
120 基于“上瘾”模型的手游签到交互设计研究 牛凤军 边鹏
122 智能冰箱中的人机交互设计研究 詹媛

文化与传承

- 124 基于地域文化的日本城市品牌符号设计探析 胡又琦 陈虹
126 多维视角下的巴人图腾视觉化与活态化传承研究 马琳 姜龙
128 纳西族东巴文化的五感符号研究 宋文娟
130 浚县泥咕咕艺术元素在文化创意产品设计中的应用 李俊瑞
132 九谷烧艺术在现代家具设计中的应用 王苏婉 庞小婷 郭琼
134 唐代宝相花纹样创新设计研究 杨晓燕 王思雨
136 敦煌莫高窟壁画类菱形纹演变研究 陈亚平
138 苗族图案艺术特征探究 郑博淳
140 磁州窑装饰纹样在餐具设计中的应用研究 杨彬彬
142 新媒体时代下壮族布洛陀文化品牌构建研究 曾雅莉 彭国斌
144 从民居到民宿——延边朝鲜族传统民居的改造创新 甘彤 赵剑英
146 基于心流理论的“昆曲十番”数字文化创意产品设计 曹凯怡 徐晨
148 基于红色文化的纪念性展馆空间设计研究 李昕蔚
150 沙县水美土堡群文献综述 朱婷 李刚
152 大运河文化背景下镇江苏作家具的传承与发展 刘佳

技术与实践

- 155 可拆装式家用智能清洁机器人产品设计 刘鑫 周瑞强
157 基于虚幻引擎技术的兰州战役纪念馆数字化场景设计 李妍 程璐璐 郭晓焯
159 高铁垃圾智能分类回收系统的创新设计研究 曹博琛 刘方非 郑依灵

封二

播放新年——音乐礼品

封三

《工业设计》杂志征订启事

COLLEGE AESTHETIC EDUCATION EVERYBODY TALKS

008 A Review of Thinking of Young Scholars

SPECIAL REPORT

010 The 2nd Session National Outstanding Art Exhibition for Teaching Practices from College Teachers(II)

TOPIC INFORMATION

- 016 China Pavilion at the World Expo in Dubai—"The Light of China"
- 017 Pay Tribute to the Chinese Tradition—Build a Flame Red Pavilion with Recycled "Plastic Bricks"
- 018 Showtime Coming, Shadow Puppet for Spring Festival
- 019 Congratulations on Wealth, "Red Envelope" Please
- 020 Rebuild the Visual "Younger" Design of Icons for Traditional Spring Festival Activities
- 022 Table Type Heater, Warm Up Your Winter
- 023 New Year Play—Musical Gifts
- 024 Design of Lucky Bag for Spring Festival
- 025 Design of Spring Festival Posters Full of Industrial Atmosphere

SCIENCE AND ART

- 026 Research on Digital-based Museum Experience Design
- 028 Research on Design of Marathon Heart Rate Monitoring Equipment Based on Two-way Visual Feedback
- 030 A Preliminary Discussion on Application of Peak End Law in Optimized Designs for Small Household Products

HIGHER EDUCATION OF FINE ARTS

- 032 Optimization of Industrial Design Curriculum System in the "New Engineering" Background
- 034 A Preliminary Discussion on the Cultivation Mode of Visual Communication Design Postgraduate Education at Colleges and Universities in U.K.
- 036 Application of Mixed Teaching Mode in the "Design Principles" Course of the Major Environmental Design
- 038 Application of Scene Theory in Teaching of the Course "Product Design Sketching"
- 040 Research on Design Cases in the Course "Design for Lighting of Theme Parks"—Take the Design of Night Scene Lighting for Angang Memory Iron & Steel Theme Park as an Example
- 042 Application of Flipped Classroom in the Course "Research on Ecological Environment Design"
- 044 Application of Product Design Thought in the course "Product Presentation Techniques"
- 046 Exploration on Teaching Reform for Application-oriented University Graduation Design Course Based on OBE Concept
- 048 Research on Teaching Reform for the Major of Environmental Design in New Media Technology
- 050 Construction of Design Specialty Groups with Orientation of Cross-specialty Project Cooperation System
- 052 Research on Construction of Online Open Course "Logo Design and VI Design"
- 054 Research on the Application of Mixed Teaching Mode in Interior Design Course

DESIGN AND THEORY

- 056 Research on Strategy for Construction of Green Livable Villages and Towns in Urban Revitalization Background—Take Taohuatan Town, Xuancheng City, Anhui Province as an Example
- 059 Research on Design of Corporate Strategic Innovation Evaluation System from the Service Design Perspective
- 062 A Preliminary Discussion on Application of American Countryside Style in Design of Homestay Furniture—Take Moganshan Shibamai Boutique Homestay as an Example
- 064 Design Ideas for Cultural and Creative Products Based on Nostalgia
- 066 Research on Design of Aged-based Home Furnishing
- 068 Research on Design of Industrial Sites Transformation in Urban Double-repair Concept—Take Wujiang Taoyuan Cement Plant as an Example
- 070 Research on Application of Fast-assembling Urban Furniture in the Design of Public Spaces at Colleges and Universities
- 072 Application of Empathy Design in Auxiliary Products for Cerebral Infarction Patients
- 074 Research on Design of Household Sorting Bin Based on Users' Demands
- 076 Research on Design of Forest Fire Escape Emergency Products
- 079 Research on Design of Suitcase with Adjustable Spaces
- 081 Research on Design of Aged-oriented Bathroom Products Based on Modular Design Idea
- 083 Research on Design of Improvement for Classroom Local Lights

Yuan Chunlei, Xie Yong
Lv Huilin, Zhang Yaxian
Liao Yunan, Mu Rongbing, Zhang Tong

Chen Yongchao

Zhang Jingqi
Hou Yinfeng, Li Yanming, Lu Qingqing
Fan Yingyu

Li Yanpeng, Cheng Li
Fan Bei, Zhu Huimin
Xia Wenshu
Luo Zhen
Tai Na
Lu Zhou, Yu Jian
Tian Jing
Ma Pingping

Chu Yun, Ji Xiang, Tang Sumin
Li Hesen, Yoo Bohyeon

Ma Yilian, Fu Kai
Liu Lifang, Lin Yan
Li Keyang, Wang Shengyu

Liu Xunyang
Wang Jie, Tong Xiaoxiao
Li Xiang
Zhu Lixuan, Zhang Minyan
Pei Aizhen
Li Ting, Zhang Lu
Zhou Min, Liu Yun, Jing Enxian
Zhang Minghui

INDUSTRIAL DESIGN NO.12

CONTENTS 目录

- 085 Exploration on Manifestation of Taste-and-interest-oriented Design in Modern Tableware
088 Research on the Application of Traditional Lacquer Design Language in Product Design
090 Optimized Design of Automobile Brand Logos in Concept of "Less is More"
092 Research on Design of Macao Customs Gate System Based on SD Method
094 Research on Visual Language Representation in Advertising Design with Strong Brands
096 Inspirations from Tom Moore's Animated Movies to the Development of Ethnic Animation in China
098 Research on Design of homestay Space Transformation in the Background of Rural Revitalization—Take the homestay Space Transformation Design of Qianyang Village as an Example
100 Exploration and Analyses on Constructing the Multi-venue Park in Small and Medium-sized Cities—Take the Design of Sun Moon Lake Park in Yongcheng City as an Example
102 Interactive Facilities Intervene in the Spatial Design of Subway Stations
104 Research on Design of Digital Exhibition Space at the Scriptorium of Dinglin Temple in Nanjing
106 Evaluation of Suitability for GIS-Based Construction lands—Take Qingjiangpu District in Huaian City as an Example
108 Design of Luggage Carrier Based on Availability Theory
110 Research on Application of New Media Digital Art in the Design of Museum Exhibition
112 Innovative Design for Combined Board-type Furniture

Zhao Zhengqiang
Chen Kaike
Zhang Chi, Wei Zhien, Wang Hualin
Ding Mengya
Chen Ranran
Qiao Yi

Zhuang Keju

Cao Panggong, Guo Ge
Ma Hui, Tang Yuxin
Lu Caixia, Song Yimin, Wang Jiawen
Xing Houlong, Zhou Jing, Zhu Wenlong
Cui Yue, Yang Yongfa, Lv Xinyu
Wang Zeqian, Hou Huoyu, Lu Weifeng
He Yan

FRONTIERS AND DYNAMICS

- 114 Design of Pet Dog Fecal Handling Service System in Communities Based on the Concept of Social Innovation
116 Research on Human-computer Interaction Design in Intelligent Air-conditioning Products
118 Design of Countryside Doctor Home Visit Service System Based on Users' Experiences
120 Research on Interaction Design of Mobile Game Sign-in Based on "Addition" Model
122 Research on Human-computer Interaction Design in Smart Refrigerator

Zhang Yuqian, Li Min
Deng Han
Zhu Wenyi, Kuang Yue, Yang Zhuosong
Niu Fengjun, Bian Peng
Zhan Yuan

CULTURE AND INHERITANCE

- 124 Exploration and Analyses on Design of Urban Brand Symbols in Japan Based on Regional Culture
126 Research on Visual and Active Inheritance of Baren's Totem from a Multi-dimensional Perspective
128 Research on the Five Sense Symbols of Naxi Dongba Culture
130 Application of Juxian County's Mud Craft Art Elements in The Design of Cultural and Creative Products
132 Application of Nine-cereal Burning Art in the Design of Modern Furniture
134 Study on the Innovative Design of Baoxiang Pattern in Tang Dynasty
136 Research on Diamond Pattern Evolution in Mural Paintings at Mogao Grottoes in Dunhuang
138 Exploration on Artistic Features in Miao Patterns
140 Research on Application of Ci Prefecture Kiln Decorative Patterns in the Design of Tableware
142 Research on Construction of Blotuo Culture Brand from Zhuang Nationality in the New Media Era
144 From Houses to Bed-and-breakfast—Renovation and Innovation of Yanbian Korean Traditional Folk Houses
146 Design of "Ten Kunqu Opera" Digital Cultural Innovative Products Based on Heart Flow Theory
148 Research on Spatial Design for Memorial Pavilions Based on Red Culture
150 Literature Review on Shuimei Earthen Fort Complex in Shaxian County
152 Inheritance and Development of Zhenjiang Suzuo Furniture in the Background of Grand Canal Culture

Hu Youqi, Chen Hong
Ma Lin, Jiang Long
Song Wenjuan
Li Junrui
Wang Suwan, Pang Xiaoting, Guo Qiong
Yang Xiaoyan, Wang Siyu
Chen Yaping
Zheng Bochun
Yang Binbin
Zeng Yali, Peng Guobin
Gan Tong, Zhao Jianying
Cao Kaiyi, Xu Chen
Li Xinwei
Zhu Ting, Li Gang
Liu Jia

TECHNOLOGY AND PRACTICE

- 155 Design of Dismountable Home Intelligent Cleaning Robots
157 Design of Digital Scenes for Lanzhou Campaign Memorial Hall Based on Visional Engine Technology
159 Research on Innovative Design of Intelligent Garbage Classifying and Recycling System for High Speed Trains

Liu Xin, Zhou RuiQiang
Li Yan, Cheng Lulu, Guo Xiaoxuan
Cao Bochen, Liu Fangfei, Zheng Yiling

SECOND COVER

New Year Play—Musical Gifts

THIRD COVER

Subscription Info of *Industrial Design*

4

Fourth