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**通过 喷 雾 干 燥 甲 壳 素 纳 米 晶 构 建 的 Pickering 乳 液制备聚柠檬酸酯弹性体微球**

管裕, 郭芙蓉, 梁凯, 吉亚丽

**1. Poly Octamethylene Citrate -Based Elastomer Microspheres via Spray-Drying of ( ) Chitin Nanocrystal Constructed Pickering Emulsion**

GUAN Yu GUO Furong LIANG Kai JI Yali

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**暴露高活性 ( 001) 晶面的 F-B 共掺杂锐钛矿 TiO纳米片及其光催化产氢性能**

张梦瑶, 韦莉, 刘蕾

**2. F-B Co-Doped TiO Nanosheets Bounded with Highly Active Anatase 001**

( )

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Citation: ( ). F-B Co-Doped TiO Nanosheets Bounded with Highly Active Anatase 001 [J]. Journal of Donghua University (English Edition), 2025, 42(3): 457-465.

**基于毛细管电泳技术的三种活性染料及其六种衍生物分析方法研究**

黄书卿, 沈丽, 徐中其

**3. Analysis of Three Reactive Dyes and Their Six Derivatives by Capillary Electrophoresis**

HUANG Shuqing, SHEN Li, XU Zhongqi

DOI: 10.19884/j.1672-5220.202412014

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**不锈钢导电织物的制备及其工频屏蔽效能**

杨阳, 张妍, 张瑞云, 纪峰, 李文军, 徐潇源

**4. Preparation and Power Frequency Shielding Effectiveness of Stainless Steel Conductive Fabric**

YANG Yang ZHANG Yan ZHANG Ruiyun JI Feng LI Wenjun XU Xiaoyuan

DOI: 10.19884/j.1672-5220.202410004

Citation: YANG Yang ZHANG Yan ZHANG Ruiyun JI Feng LI Wenjun XU Xiaoyuan. Preparation and Power Frequency Shielding Effectiveness of Stainless Steel Conductive Fabric [J]. Journal of Donghua University (English Edition), 2025, 42(3): 476-484.

**基于 Pt / 石墨烯复合材料气体传感器的氢传感特性**

侯天浩, 彭倚天, 丁树杨

**5. Hydrogen Sensing Characteristics of Gas Sensor Based on Pt/ Graphene Composite**

HOU Tianhao, PENG Yitian, DING Shuyang

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Citation: HOU Tianhao, PENG Yitian, DING Shuyang. Hydrogen Sensing Characteristics of Gas Sensor Based on Pt/ Graphene Composite [J]. Journal of Donghua University (English Edition), 2025, 42(3): 485-493.

**MLGIA: 基于 PaddlePaddle 的交通面板信息识别**

吉宇凯, 葛华勇, 孟亚群, 李思思

**6. MLGIA Recognition of Traffic Panel Information Based on PaddlePaddle**

JI Yukai, GE Huayong, MENG Yaqun, LI Sisi

DOI: 10.19884/j.1672-5220.202409001

Citation: JI Yukai, GE Huayong, MENG Yaqun, LI Sisi. MLGIA Recognition of Traffic Panel Information Based on PaddlePaddle [J]. Journal of Donghua University (English Edition), 2025, 42(3): 494-502.

**物联网控制系统中跨技术通信的安全防御**

李天韵, 张安琪, 张光林

**7. Security Defenses for Cross-Technology Communication in IoT Control System**

LI Tianyun, ZHANG Anqi, ZHANG Guanglin

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Citation: LI Tianyun, ZHANG Anqi, ZHANG Guanglin. Security Defenses for Cross-Technology Communication in IoT Control System [J]. Journal of Donghua University (English Edition), 2025, 42(3): 503-512.

**选择与回答提示: 引导大型语言模型提升零样本推理能力**

王煜芳, 唐雪嵩, 郝矿荣

**8. Select-and-Answer Prompting Facilitating LLMs for Improving Zero-Shot Reasoning**

WANG Yufang TANG Xuesong HAO Kuangrong

DOI: 10.19884/j.1672-5220.202406009

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**基于对比学习的多属性图子图匹配**

刘博智, 方秀, 孙国豪, 陆金虎

**9. Subgraph Matching on Multi-Attributed Graphs Based on Contrastive Learning**

LIU Bozhi, FANG Xiu, SUN Guohao, LU Jinhu

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**基于图变换和对偶图拉普拉斯正则化的深度图像去噪**

孟亚群, 葛华勇, 侯鑫鑫, 吉宇凯, 李思思

**10. Graph-Based Transform and Dual Graph Laplacian Regularization for Depth Map Denoising**

MENG Yaqun, GE Huayong, HOU Xinxin, JI Yukai, LI Sisi

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**带有限制层多孔质空气轴承静态特性分析**

余哲, 闫如忠, 马晓建, 张豪杰

**11. Static Characteristic Analysis of Aerostatic Porous Bearing with a Restricted Layer**

YU Zhe YAN Ruzhong, MA Xiaojian ZHANG Haojie

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**仿生假发自动化织造工艺设计与织造路径规划**

吕宏展, 尤佳, 李俊杰, 陆李承, 孙志宏

**12. Automated Bionic Wig Weaving Process Design and Weaving Path Planning**

LYU Hongzhan, YOU Jia, LI Junjie, LU Licheng, SUN Zhihong

DOI: 10.19884/j.1672-5220.202409009

Citation: LYU Hongzhan, YOU Jia, LI Junjie, LU Licheng, SUN Zhihong. Automated Bionic Wig Weaving Process Design and Weaving Path Planning [J]. Journal of Donghua University (English Edition), 2025, 42(3): 550-557.

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**13. Impact of Locally Resonant Phononic Crystal Plates on Noise Reduction in Automotive Mufflers**

ZHANG Mengyang ZHU Congyun DING Guofang HUANG Qibai

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Citation: ZHANG Mengyang ZHU Congyun DING Guofang HUANG Qibai. Impact of Locally Resonant Phononic Crystal Plates on Noise Reduction in Automotive Mufflers [J]. Journal of Donghua University (English Edition), 2025, 42(3): 558-566.

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