首都师范大学学报(自然科学版)

Shoudu Shifan Daxue Xuebao(Ziran Kexue Ban)

2024年12月　　第45卷　第6期

目　　次

首都师范大学建校70周年系列专辑:序言 ……方复全(1)

交叉科学研究

椭圆曲线14a2的一族二次扭 ……冷明睿,范永丰,蔡　立(2)

液晶矢量模型中的各向异性动力学 ……阚迪华,洪　柳,胡煜成(9)

基于学科交叉测度的交叉研究评价:以首都师范大学交叉项目评估为例 ……

……李　娟,刘　倩,时　骥,唐　舜(21)

乳化交联法制备生物相容性高分子载药微球 ……李嘉炜,秦仟皓,赵胜博,李　宁,王耀宗,黄潇楠(30)

人工智能

视觉显著物体检测综述:方法、挑战及未来 ……刘　铁,陈　楠,张瀚丹,尚媛园,丁　辉,邵珠宏(36)

学习型操作系统和编译器研究综述……高萌涓,王艺达,孙静怡,桑可佳,王奕涵,徐远超(49)

科技考古与博物馆

实验室模拟石质文物老化试验的研究综述……张佳男,杨　雪,陈北辰(62)

VR展览的发展现状与前景分析 ……董恒硕,栾浩宇,郭苏嘉,杨焕瑜,陈北辰(74)

高质量教育体系研究

大学生自拍照编辑行为的测量 ……贾冬雪,齐　馨,崔丽霞(81)

一种可推广的梯度科普实验设计:基于天然紫胶红色素酸碱变色原理 ……

……马　骁,朱紫尚,张子涵,郭长彬(89)

2024年总目次 ……(97)

Journal of Capital Normal University
(Natural Science Edition)
Vol.45 No.6 December 2024

Contents

The 70th anniversary album of Capital Normal University: preface ……FANG Fuquan(1)

Multidisciplinary Study

Quadratic twists of the elliptic curve 14a2 …… LENG Mingrui , FAN Yongfeng, CAI Li(2)

Anisotropic diffusion dynamics in vector models for liquid crystal……KAN Dihua, HONG Liu, HU Yucheng(9)

Cross-disciplinary research evaluation based on interdisciplinary measure: taking the evaluation of cross-disciplinary projects at Capital Normal University as an example ……
…… LI Juan, LIU Qian, SHI Ji, TANG Shun(21)

Preparation of biocompatible drug-loaded microspheres by emulsion crosslinking ……
…… LI Jiawei, QIN Qianhao, ZHAO Shengbo, LI Ning, WANG Yaozong, HUANG Xiaonan(30)

Artificial Intelligence

Review of salient object detection: methods, challenges and directions ……
…… LIU Tie, CHEN Nan, ZHANG Handan, SHANG Yuanyuan, DING Hui, SHAO Zhuhon(36)

A survey on learned operating system and compiler ……
……GAO Mengjuan, WANG Yida, SUN Jingyi, SANG Kejia, WANG Yihan, XU Yuanchao(49)

Archaeometry and Museology

Progess of laboratory weathering tests of stone artifacts ……ZHANG Jianan, YANG Xue, CHEN Beichen(62)

Prospect analysis based on the current application of VR exhibitions……
…… DONG Hengshuo, LUAN Haoyu, GUO Sujia, YANG Huanyu, CHEN Beichen(74)

Construction of High Quality Education System

Development of selfie-editing scale among college students ……JIA Dongxue, QI Xin, CUI Lixia(81)

A generalizable gradient popular science experiment design: based on the principle of acid-base discoloration of natural lac red pigment ……MA Xiao, ZHU Zishang, ZHANG Zihan, GUO Changbin(89)

Total Contents of 2024 ……(100)