

目次

论著

- 物证鉴定范式发展(二): 贝叶斯似然比框架 王桂强 (441)
- 32个X-STR荧光复合扩增体系的法医学应用评估(英文)
..... 张俊涛, 杨幸怡, 余政梁, 赵鹏, 刘大宇, 韩晓龙, 孙宏钰, 刘超 (456)
- 生物组织中10种蟾蜍毒素的UPLC-MS/MS检测 董颖, 曹振宇, 何立, 苗丽文, 刘剑, 张宏民 (464)
- 基于深度学习语义分割技术的气胸肺萎陷程度自动化计算
..... 罗帅, 刘安杰, 张兴涛, 占梦军, 刘猛, 范飞, 周宇驰, 刘长远, 邓振华 (472)
- 多个Y-STR等位基因缺失及AZF分析 刘振平, 童继军, 翟仙敦 (480)

综述

- 纳米材料显现潜在手印的研究进展 易爽, 姚琴 (485)
- 蟾蜍毒素研究进展 曹振宇, 董颖 (495)
- 涉诈网站识别技术综述 陈宇 (502)

研究与探讨

- 基于近红外光谱技术和极限学习机算法的血迹种属快速鉴定
..... 毕福轮, 王伟, 祁月莹, 谢嘉懿, 纳嫫, 吴加权, 梁莹, 张建强 (507)
- 陈旧颅骨的DNA检验 李永久, 张广峰, 窦雪丽, 刘洪迪, 彭柱, 刘志芳, 涂政 (514)

技术与应用

- 基于一维直接线性变换的视频中路面距离测量方法 李威, 赵明辉, 关闯, 沈永钢, 任重 (519)
- 格洛克19型9mm手枪射击弹壳痕迹探究 吴雪冬, 王琪琦, 陈悦峰, 何惠, 刘彬 (525)
- 利用解吸电喷雾电离-质谱成像技术(DESI-MSI)检验添改文件1例 袁逸婷, 陈莹, 黄光明, 秦达 (531)

经验交流

- 甲醇中毒后视力损害法医学损伤程度鉴定2例 鲁婷, 占梦军, 范飞, 陈新, 邓振华 (537)
- 一起强奸致孕案中葡萄胎的亲生子鉴定分析 薛天羽, 林锦锋, 周镭迪欧, 秦金凤, 倪春雨 (543)
- 一例山石撞击致死案的损伤特征分析 陈家祥, 曾勇攀, 邹康, 邓艾松, 朱书刚 (547)

本期审稿专家 陈松 邓旭龙 董林沛 顾姗智 郭丽莉 郭文举 郝红霞 黄威 金晓东 赖小平 李骁勇
李平凡 李洋 李铁映 廉哲 刘茜 刘雅诚 彭思龙 权养科 任亮 孙辉 孙振文
涂政 王爱华 王俊娟 王正 吴春生 吴微微 许磊 严岩 叶方卿 易少华 苑美青
张国臣 张宁 周密

本期学科编辑 陈子龙 胡灿 江丽 宋歌 魏智彬 徐珍

本期责任编辑 周红 仲靖芳 文蕾 乔婷 典瑞海 李晓旭

Contents

Research Articles

- Forensic Paradigm Development. Part 2: Bayesian Likelihood Ratio Framework *WANG Guiqiang* (441)
- Evaluation of a Novel 32 X-STR Loci Multiplex System in the Forensic Application
..... *ZHANG Juntao, YANG Xingyi, YU Zhengliang, ZHAO Peng, LIU Dayu, HAN Xiaolong, SUN Hongyu, LIU Chao* (456)
- UPLC-MS/MS Detection of 10 Bufotoxins in Biological Tissues
..... *DONG Ying, CAO Zhenyu, HE Li, MIAO Liwen, LIU Jian, ZHANG Hongmin* (464)
- Research on Calculation of Lung Compression Degree in Pneumothorax Using Semantic Segmentation Based on Deep Learning
LUO Shuai, LIU Anjie, ZHANG Xingtao, ZHAN Mengjun, LIU Meng, FAN Fei, ZHOU Yuchi, LIU Changyuan, DENG Zhenhua (472)
- Detection of Multiple Y-STRs Allele Dropout and AZF Analysis *LIU Zhenping, TONG Jijun, ZHAI Xiandun* (480)

Reviews

- Application of Nanomaterials into Developing Latent Fingerprint *YI Shuang, YAO Qin* (485)
- Research Progress on Detection of Toad Toxin *CAO Zhenyu, DONG Ying* (495)
- Overview of Fraud Related Website Identification Technology *CHEN Yu* (502)

Research and Discussion

- Rapid Identification of Bloodstain Based on Near Infrared Spectroscopy and Extreme Learning Machine Algorithm
..... *BI Fulun, WANG Wei, QI Yueying, XIE Jiayi, NA Man, WU Jiaquan, LIANG Ying, ZHANG Jianqiang* (507)
- DNA Test of Aged Skull *LI Yongjiu, ZHANG Guangfeng, DOU Xueli, LIU Hongdi, PENG Zhu, LIU Zhifang, TU Zheng* (514)

Technology and Application

- A Method of Measuring Road Distance from Video Based on One-dimensional Direct Linear Transformation
..... *LI Wei, ZHAO Minghui, GUAN Chuang, SHEN Yonggang, REN Zhong* (519)
- Preliminary Exploration of the Shell Casing Marks Left by Glock-19 9mm Pistol Firing
..... *WU Xuedong, WANG Qiqi, CHEN Yuefeng, HE Hui, LIU Bin* (525)
- A Case of Alteration Documents Examination Using Desorption Electrospray Ionization-Mass Spectrometry Imaging (DESI-MSI)
Technology *YUAN Yiting, CHEN Ying, HUANG Guangming, QIN Da* (531)

Exchangeable Experience

- Forensic Clinical Evaluation of Visual Impairment after Methanol Poisoning: Two Cases Reports
..... *LU Ting, ZHAN Mengjun, FAN Fei, CHEN Xin, DENG Zhenhua* (537)
- Analysis of Paternity Testing for Hydatidiform Mole in a Rape Case
..... *XUE Tianyu, LIN Jinfeng, ZHOU Leidiou, QIN Jinfeng, NI Chunyu* (543)
- Analysis of Damage Characteristics in a Fatality Caused by Rock Impact
..... *CHEN Jiexiang, ZENG Yongpan, ZOU Kang, DENG Aisong, ZHU Shugang* (547)