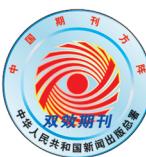


ISSN 0254-5357
CN 11-2131/TD

2023 Vol.42 No.1 January
第42卷 第1期 1月出版

中文核心期刊
中国科技核心期刊

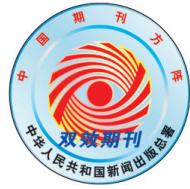


岩矿测试

ROCK AND MINERAL ANALYSIS



中国地质学会岩矿测试技术专业委员会
国家地质实验测试中心
主办
科学出版社
出版



岩石测试

(YANKUANG CESHI)

第 42 卷 第 1 期 2023 年 1 月

目 次

进展与评述

- 电感耦合等离子体质谱联用技术在稀土元素物源指示研究中的应用进展 韩萧萧, 梁涛, 王思雨, 熊竹楠, 王凌青 (1)
硼同位素分析测试技术研究进展 冯林秀, 李正辉, 曹秋香, 田世洪, 黄文夏, 王田 (16)
2012—2021 年中国地下水抗生素污染现状及分析技术研究进展 牛颖, 安圣, 陈凯, 秦久君, 刘菲 (39)

- 岩溶区植被与岩石地球化学背景间相互作用机制研究进展 朱帅, 曹建华, 杨慧, 梁建宏, 劳昌玲 (59)
土壤和岩石矿物中氟元素分析测试技术研究进展 段文, 石友昌 (72)

岩石矿物分析

- 电子探针分析锆石 Hf 和 Ti 含量的结果意义与技术优势 李小犁 (89)
树脂柱串联法分离地质样品中 Sr-Nd-U 骆正骅, 李超, 赖正, 王晨羽, 郭玉龙, 段知非, 徐娟, 杨守业 (102)
偏硼酸锂熔融-电感耦合等离子体发射光谱法结合扫描电镜-能谱测定锡矿石中锡钨锌铜铁锰 王冠, 董俊, 徐国栋, 胡志中 (114)
碱熔-电感耦合等离子体发射光谱法测定湖南香花岭矿区锡铅锌矿床中的锡铅锌 肖细炼, 夏金龙, 李小丹, 卢友月, 杨小丽, 杨红梅 (125)

自然资源分析研究

- 多接收电感耦合等离子体质谱法测定岩石和土壤等国家标准物质的硅同位素组成 杨林, 石震, 于慧敏, 黄方 (136)
电感耦合等离子体发射光谱法测定高油脂和非油脂类植物中钾和磷样品前处理方法研究 张安丰, 陈菊, 郑松 (146)

- 基于聚丙烯扩散皿的碱解扩散分离-酸碱滴定法测定土壤中水解性氮
..... 陆迁树, 刘振超, 曾仕秀, 宋安邦, 李志雄, 张松, 张帅, 兰明国 (156)
土壤铁锰氧化物形态测定及吸附 Sb(Ⅲ) 的主控因子研究
..... 崔婷, 叶欣, 朱霞萍, 李军亚, 徐欢 (167)

健康地质与生态环境研究

- 西藏自治区隆子县土壤硒地球化学特征及影响因素
..... 多吉卫色, 索朗次仁, 平措朗杰, 达娃拉姆, 洛桑旺堆, 俞乐 (177)
豫西金矿集区矿业活动对周边农田土壤重金属影响研究
..... 孙建伟, 贾煦, 刘向东, 程贤达, 商连南 (192)

标准物质研究

- 泥岩岩石热解分析标准物质研制 刘杰, 赵志明, 阎荣辉, 黄子舰 (203)

技术交流

- 溴酚蓝作酸碱指示剂分光光度法测定土壤中有效磷 于汀汀, 朱云, 郭琳 (213)

动态与行业资讯

- 《岩矿测试》文章中英文摘要写作要求 编辑部 (封二)
《岩矿测试》被全球权威文摘与引文索引数据库 Scopus 收录 编辑部 (220)
《岩矿测试》第八届编辑委员会 编辑部 (封三)

广告信息

- 岛津企业管理(中国)有限公司
北京海光仪器有限公司
四川赛恩思仪器有限公司
地质和环境系列标准物质
自然资源实验室管理信息系统
安捷伦(中国)科技有限责任公司

《岩矿测试》: <http://www.ykcs.ac.cn> (投稿/审稿系统)

《岩矿测试》QQ 群: 249221689 微信群和微信公众号名称: 岩矿测试

编辑部工作邮箱: ykcs_zazhi@163.com; ykcs@cags.ac.cn

编辑部办公电话: 010-68999562

期刊基本参数: CN 11-2131/TD * 1982 * b * A4 * 220 * zh * P * ¥40.00 * 800 * 17 * 2023-1

本期责任编辑: 徐书荣 储彬彬 佟玲 排版制图: 王晓娟

CONTENTS

Progress and Reviews

- A Review of Research Progress on Provenance Indication of Rare Earth Elements by Inductively Coupled Plasma–Mass Spectrometry Hyphenated Techniques *HAN Xiaoxiao, LIANG Tao, WANG Siyu, XIONG Zhunian, WANG Lingqing* (1)
- A Review on the Development of Boron Isotope Analytical Techniques *FENG Linxiu, LI Zhenghui, CAO Qiuxiang, TIAN Shihong, HUANG Wenxia, WANG Tian* (16)
- A Review of Current Status and Analysis Methods of Antibiotic Contamination in Groundwater in China (2012—2021) *NIU Ying, AN Sheng, CHEN Kai, QIN Jiujun, LIU Fei* (39)
- A Review of the Interaction Mechanism and Law between Vegetation and Rock Geochemical Background in Karst Areas *ZHU Shuai, CAO Jianhua, YANG Hui, LIANG Jianhong, LAO Changling* (59)
- A Review of Research Progress on Analysis and Testing Technology of Fluorine in Soil and Rock Minerals *DUAN Wen, SHI Youchang* (72)

Rock and Mineral Analysis

- Electron Probe Microanalysis of Hf and Ti in Zircon: Significance and Advantage *LI Xiaoli* (89)
- Separation of Sr, Nd, and U from Geological Samples Using Tandem Resin Column *LUO Zhenghua, LI Chao, LAI Zheng, WANG Chenyu, GUO Yulong, DUAN Zhifei, XU Juan, YANG Shouye* (102)
- Determination of Tin, Tungsten, Zinc, Copper, Iron, and Manganese in Tin Ore by Lithium Metaborate Fusion – Inductively Coupled Plasma – Optical Emission Spectrometry Combined with Scanning Electron Microscopy–Energy Dispersive X-ray Spectrometry *WANG Guan, DONG Jun, XU Gongdong, HU Zhizhong* (114)
- Determination of Tin, Lead and Zinc in a Tin–Lead–Zinc Deposit in Xianghualing Mining Area, Hunan Province by Inductively Coupled Plasma–Optical Emission Spectrometry with Alkali Fusion *XIAO Xilian, XIA Jinlong, LI Xiaodan, LU Youyue, YANG Xiaoli, YANG Hongmei* (125)

Research on Natural Resources Analysis

- Determination of Silicon Isotopic Compositions of Rock and Soil Reference Materials by MC-ICP-MS *YANG Lin, SHI Zhen, YU Huimin, HUANG Fang* (136)
- Pretreatment Method for Determination of Kalium and Phosphorus in High Oil and Grease and Non-oil Plant Samples by Inductively Coupled Plasma–Optical Emission Spectrometry *ZHANG Anfeng, CHEN Ju, ZHENG Song* (146)
- Determination of Hydrolysable Nitrogen in Soil Samples by Alkaline Hydrolysis Diffusion Separation Acid–base Titration Based on a Polypropylene Diffusion Dish *LU Qianshu, LIU Zhenchao, ZENG Shixiu, SONG Anbang, LI Zhixiong, ZHANG Song, ZHANG Shuai, LAN Mingguo* (156)

- Determination of Various Forms of Iron and Manganese Oxides and the Main Controlling Factors of Absorption of Sb(Ⅲ) in Soil *CUI Ting, YE Xin, ZHU Xiaping, LI Junya, XU Huan* (167)

Research on GeoHealth and Ecological Environment

- Geochemical Characteristics and Influencing Factors of Soil Selenium in Longzi County, Tibet Autonomous Region *Duojiweise, Suolangciren, Pingcuolangjie, Dawalamu, Luosangwangdui, YU Le* (177)
- Influence of Mining Activities in the Gold Ore Concentration Area in Western Henan on the Heavy Metals in Surrounding Farmland Soil *SUN Jianwei, JIA Xu, LIU Xiangdong, CHENG Xianda, SHANG Liannan* (192)

Research on Reference Materials

- Preparation of Reference Materials for Rock Evaluation of Mudstone *LIU Jie, ZHAO Zhiming, YAN Ronghui, HUANG Zijian* (203)

Technique Exchange

- Spectrophotometric Determination of Available Phosphorus in Soil with Bromophenol Blue as an Acid–base Indicator *YU Tingting, ZHU Yun, GUO Lin* (213)

Website of Rock and Mineral Analysis: <http://www.ykes.ac.cn>

QQ Group: 249221689

E-mail: ykes_zazhi@163.com; ykes@cags.ac.cn

Editorial Office of Rock and Mineral Analysis: +8610-68999562 (Telephone)

Executive editors of this issue: XU Shurong, CHU Binbin, TONG Ling

Cope editor: WANG Xiaojuan