



岩矿测试

(YANKUANG CESHI)

第39卷第3期 2020年5月

目次

本期文章导读 编辑部 (正文前 I)

进展与评述

*富硒土地资源研究进展与评价方法 周国华 (319)
页岩油地质评价实验测试技术研究进展 曹 茜, 王兴志, 戚明辉, 黄 毅, 张焯毓, 刘 虎, 王代富 (337)

岩石矿物分析

*中国南方下古生界海相页岩气“优质层段”识别方法与应用
..... 葛明娜, 任收麦, 郭天旭, 王胜建, 周 志 (350)
微米级 X 射线断层成像技术对四川元坝地区页岩微裂缝的定量表征
..... 李 磊, 郝景宇, 肖继林, 李平平, 张正辰, 邹华耀 (362)
高压压汞在致密气藏孔喉分布表征和早期产能评价中的应用 朱 晴, 乔向阳, 张 磊 (373)
自动分离提纯系统的研制及其在同位素分析测试中的应用 朱志勇, 朱祥坤, 杨 涛 (384)
敞口酸溶 - 电感耦合等离子体发射光谱法测定海泡石中的氧化铝等主量成分
..... 王力强, 王家松, 徐铁民, 吴良英, 曾江萍, 郑智慷, 魏 双 (391)
基于计算机断层扫描的火山岩气孔含量及大小分布特征无损快速分析
..... 程 荣, 钱生平, 孙添力, 周怀阳 (398)

自然资源与生态环境研究

*铁丝原位自转化 - 固相微萃取新涂层应用于萃取环境水样中多环芳烃的性能研究
..... 孙书堂, 严 倩, 黎 宁, 黄理金, 帅 琴 (408)
一步离子交换 - 多接收电感耦合等离子体质谱法测定高钙生物样品的硼同位素组成
..... 李子夏, 逯 海 (417)
*环境标准样品均匀性检验数据漂移校正方法探讨
..... 田 衍, 贺岩涛, 张 覃, 郭伟臣, 赵亚娟, 岳亚萍, 杨 永 (425)
四种浸提剂对果园与菜地土壤有效硒浸提效果的对比研究
..... 谢 薇, 杨耀栋, 管桂芹, 李国成, 赵新华, 侯佳渝 (434)

技术交流

- 利用偏光显微镜反射光系统观察黑色生油岩电子探针薄片中的生烃母质特征
..... 郑庆华, 刘行军, 刘 乔, 梁秀玲, 张小龙, 左 琴, 杨开艳, 马 婷, 许 锋 (442)
- 高压密闭消解 - 电感耦合等离子体质谱法测定和田玉中 15 种稀土元素
..... 周安丽, 武志远, 宁海龙, 王 东, 杨 丽, 吕新明 (451)
- 过氧化钠碱熔 - 电感耦合等离子体发射光谱法测定钛铁矿中的高含量钛
..... 赵 昕, 严 慧, 禹莲玲, 汤 行, 柳 昭 (459)
- 土壤中铁元素对铬元素 p - XRF 测定准确度的影响与校正 唐晓勇, 倪晓芳, 商照聪 (467)

动态与行业资讯

- 《岩矿测试》第八届编辑委员会 编辑部 (封三)
- 国家地质实验测试中心召开 2019 年度成果交流推介会 国家地质实验测试中心 (349)

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
美国利曼(中国)有限公司
北京中科科仪股份有限公司
四川赛恩思仪器有限公司
钢研纳克检测技术股份有限公司
四川省科源工程技术测试中心
广西壮族自治区地质矿产测试研究中心(国土资源部南宁矿产资源监督检测中心)
河南省岩石矿物测试中心
北京宝德仪器有限公司

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

《岩矿测试》编辑部: 010 - 68999562 (办公电话) E - mail: ykcs_zazhi@163.com

期刊基本参数: CN 11 - 2131/TD * 1982 * b * A4 * 156 * zh * P * ¥40.00 * 800 * 16 * 2020 - 5

本期责任编辑: 徐书荣 潘 静 储彬彬

排版制图: 王晓娟

★ 该篇文章推荐为“本期导读文章”。

CONTENTS

Reviews on Articles in the Issue (Fromer I)

Progress and Reviews

* Research Progress of Selenium – enriched Land Resources and Evaluation Methods
..... *ZHOU Guo – hua* (319)

Research Progress on Experimental Technologies of Shale Oil Geological Evaluation
CAO Qian, WANG Xing – zhi, QI Ming – hui, HUANG Yi, ZHANG Ye – yu, LIU Hu, WANG Dai – fu (337)

Rock and Mineral Analysis

* Identification Method of Marine Shale Gas ‘High – Quality Layer’ in the Lower Paleozoic Area, Southern China
and Its Application
..... *GE Ming – na, REN Shou – mai, GUO Tian – xu, WANG Sheng – jian, ZHOU Zhi* (350)

Quantitative Characterization of Shale Micro – fracture in the Yuanba Area of the Sichuan Basin by Micro X – ray
Tomography
LI Lei, HAO Jing – yu, XIAO Ji – lin, LI Ping – ping, ZHANG Zheng – chen, ZOU Hua – yao (362)

Application of High – pressure Mercury Injection in Pore – throat Distribution Characterization and Early Productivi-
ty Evaluation of Tight Gas Reservoirs *ZHU Qing, QIAO Xiang – yang, ZHANG Lei* (373)

A Fully Automated Chemical Separation and Purification System and Its Application to Isotope Analysis
..... *ZHU Zhi – yong, ZHU Xiang – kun, YANG Tao* (384)

Determination of Major Elements in Sepiolite by Inductively Coupled Plasma – Optical Emission Spectrometry with
Opening Acid Dissolution *WANG Li – qiang, WANG Jia – song, XU Tie – min,*
WU Liang – ying, ZENG Jiang – ping, ZHENG Zhi – kang, WEI Shuang (391)

Non – destructive and Fast Analysis of Content and Size Distribution of Vesicles in Volcanic Rock by X – ray
Computed Tomography ... *CHENG Rong, QIAN Sheng – ping, SUN Tian – li, ZHOU Huai – yang* (398)

Research on Natural Resources and Ecological Environment

* *In situ* Self – transforming Membrane as Solid Phase Microextraction Coating Extraction of PAHs in Environmental
Water Samples *SUN Shu – tang, YAN Qian, LI Ning, HUANG Li – jin, SHUAI Qin* (408)

One – step Ion – exchange Separation and Measurement of Boron Isotope Ratios in High Calcium Biological Samples
with by MC – ICP – MS *LI Zi – xia, LU Hai* (417)

*Discussion on the Data Drift Correction Method in Homogeneity Assessment of Environmental Reference Materials
..... *TIAN Kan, HE Yan - tao, ZHANG Qin, GUO Wei - chen, ZHAO Ya - xian,*
YUE Ya - ping, YANG Yong (425)

A Comparative Study of Four Extractants on the Extraction of Available Selenium in Vegetable and Orchard Soils
..... *XIE Wei, YANG Yao - dong, JIAN Gui - qin, LI Guo - cheng, ZHAO Xin - hua, HOU Jia - yu* (434)

Technical Exchange

A Method for Observation of Characteristics of Hydrocarbon Generation Materials in Electron Probe Thin Sections of
Black Source Rock by the Reflected - light Viewing System of a Polarized Optical Microscope
ZHENG Qing - hua, LIU Xing - jun, LIU Qiao, LIANG Xiu - ling, ZHANG Xiao - long, ZUO Qin,
YANG Kai - yan, MA Ting, XU Feng (442)

Determination of 15 Rare Earth Elements in Hetian Jade by Inductively Coupled Plasma - Mass Spectrometry with
High - pressure Closed Digestion
... *ZHOU An - li, WU Zhi - yuan, NING Hai - long, WANG Dong, YANG Li, LÜ Xin - ming* (451)

Determination of High Content of Titanium in Ilmenite by Inductively Coupled Plasma - Optical Emission
Spectrometry with Sodium Peroxide Alkali Fusion
..... *ZHAO Xin, YAN Hui, YU Lian - ling, TANG Xing, LIU Zhao* (459)

Effect and Correction of Iron in Soil on Accuracy of Chromium Determination by Portable X - ray Fluorescence
Spectrometry *TANG Xiao - yong, NI Xiao - fang, SHANG Zhao - cong* (467)

Website of Rock and Mineral Analysis: <http://www.ykes.ac.cn>
Editorial Office of Rock and Mineral Analysis: +8610 - 68999562 (Telephone)
E - mail: ykes_zazhi@163.com
Executive editors of this issue: XU Shu-rong, PAN Jing, CHU Bin-bin
Cope editor: WANG Xiao-juan

★ The article is included in the column ‘Reviews on Articles in the Issue’.