



■ 全国期刊方阵双百期刊 ■ 全国中文核心期刊 ■ 中国科技核心期刊

ISSN 0495-5331
CN 11-2043/P
CODEN TCKTAQ

地质与勘探

6

郑深岩题

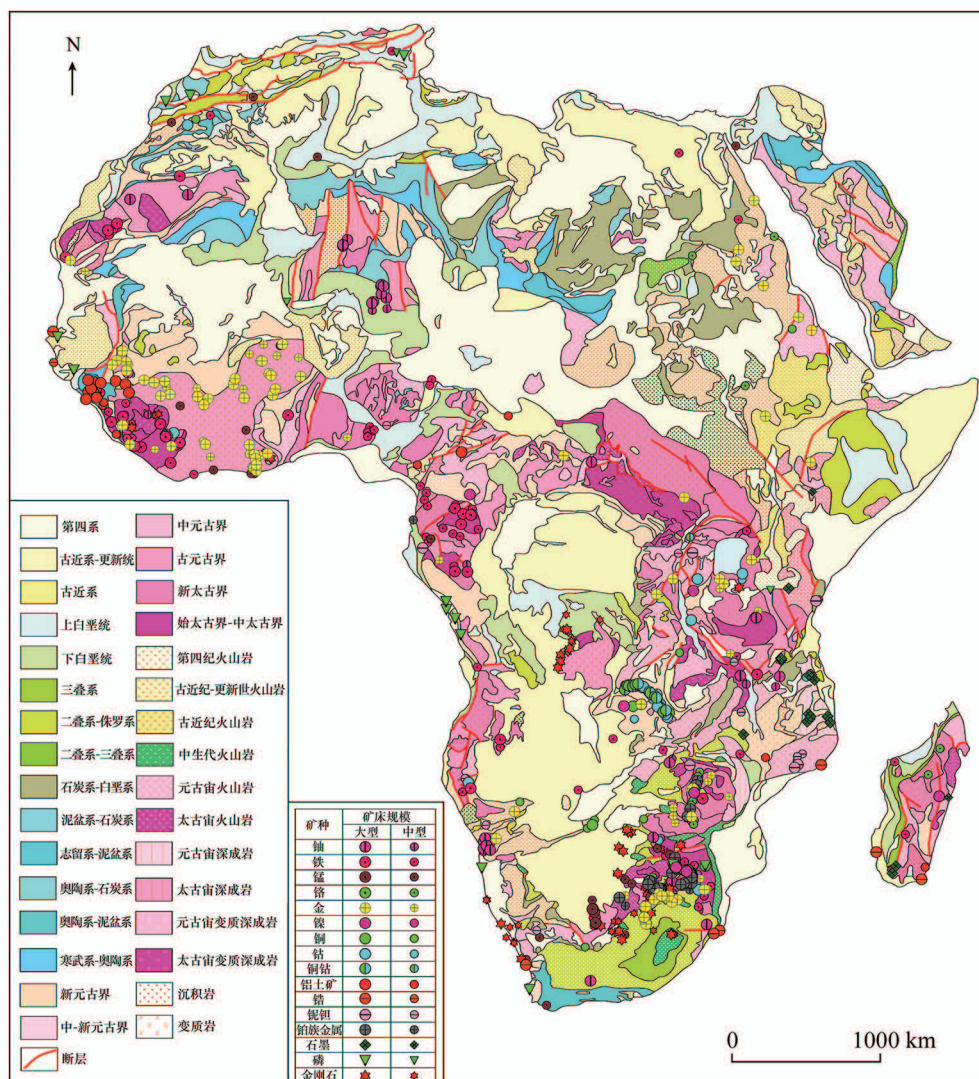
2021

GEOLOGY AND EXPLORATION

第57卷 总第500期

Since 1957

Vol.57 No.6 Sum500



非洲铀矿资源分布、地质特征与勘查开发

Distribution, Geological Features, Exploration and Development of Uranium Resources in Africa



中国冶金地质总局矿产资源研究院
中国地质学会

主办

万方数据

地质与勘探

GEOLOGY AND EXPLORATION

第五十七卷

第六期

二零二一年十一月

目 录

非洲重要矿产资源专栏

非洲铀矿资源分布、地质特征与勘查开发	陈秀法,陈喜峰,张振芳,于 瑞(1191)
非洲铝土矿地质特征、成矿规律与找矿前景研究	陈喜峰,施俊法,陈秀法,王杨刚,李玉龙,高爱红(1203)
非洲锰矿床成矿规律、开发利用与勘查建议	栾卓然,闫领军,陈 超,陈喜峰,张伟波,王丰翔,刘 景,鲁先科(1216)
非洲铂族金属矿产资源禀赋特征、成矿潜力及开发利用	王丰翔,黄圣路,王 权,冯云磊,陈喜峰,张伟波,张万益(1229)
非洲铌钽矿地质特征、矿床类型及勘查开发现状分析	赵东杰,陈玉明,张伟波,陈喜峰,陈秀法,张福良(1243)
非洲锆矿资源地质特征及勘查开发	张振芳,王靓靓,于 瑞,陈秀法,陈喜峰,李仰春,张新元,高爱红(1257)
非洲磷矿资源格局与开发现状	王靓靓,于 瑞,陈喜峰,吴 亮(1269)
纳米比亚矿产资源禀赋特征、开发现状及投资前景分析	宋崇宇,陈喜峰,李仰春,元春华(1278)
几内亚矿产资源特征、开发现状及投资展望	宋崇宇,元春华,李仰春,陈喜峰(1287)
博茨瓦纳重要矿产资源潜力与投资前景分析	张鑫刚,周佐民,袁启玉(1297)
赞比亚地质矿产与矿业投资前景分析	王秋舒,陈喜峰,元春华,张振芳(1304)
马里矿产地质特征与开发前景研究	师江朋,王秋舒,杨日红,元春华,韩九曦,谢晓敏(1315)

金属矿产

松辽盆地东北缘庆安地区泉头组沉积相与铀矿找矿潜力	邢作昌,秦明宽,罗 敏,贾立城,李 研,郭 强,张 航(1327)
四川若尔盖铀矿田 510 矿床成矿地质特征及找矿潜力分析	陈田华,张新民,孙 祥,董之凯,马 冰,李宝新(1341)

构造地质

东天山康古尔构造带红丘陵段主期构造变形温度及时代约束——来自石英 EBSD 组构的证据	张海迪,罗彦军,郭伟立,张丹丹,康 磊,刘生荣,任广利(1354)
---	-----------------------------------

地球物理

音频大地电磁法(AMT)在广西凤山县顶头金矿勘查中的应用	严新冻,刘晓珠,卢 斌,陈继永,方贵聪(1366)
综合物探技术在北京延庆松山隧道勘察中的应用	阳 映,闫清华,衣骏杰,张亚龙(1374)
基于广义 S 变换时频滤波的 MT 数据去噪	蔡剑华,肖永良(1383)

水文·工程·环境

广东河源市黄村地热田地热地质特征及地热流体化学特征	邱 辉,朱育坤,李 朋,罗 强,张轩国(1391)
---------------------------------	---------------------------

油气资源

中低渗高阶煤岩毛管压力数学表征	陈 科,陈毅雯,刘志伟,何 伟,杨发荣,唐 磊(1401)
基于氮吸附法的页岩有机孔隙结构表征	张 征,商少石,张志炳,李怀彬,黄 华(1408)

《地质与勘探》2021 年总目录	(1416)
------------------------	--------

Contents

IMPORTANT MINERAL RESOURCES IN AFRICA

Distribution, Geological Features, Exploration and Development of Uranium Resources in Africa	Chen Xiufa, Chen Xifeng, Zhang Zhenfang, Yu Rui(1191)
Geological Characteristics, Metallogenic Regularity and Prospecting Potential of Bauxite Deposits in Africa	Chen Xifeng, Shi Junfa, Chen Xiufa, Wang Yanggang, Li Yulong, Gao Aihong(1203)
Metallogenic Regularity, Development and Utilization Status and Suggestions on Exploration of Manganese Resources in Africa	Luan Zhuoran, Yan Lingjun, Chen Chao, Chen Xifeng, Zhang Weibo, Wang Fengxiang, Liu Jing, Lu Xianke(1216)
Resource Endowment, Metallogenic Potential, Exploitation and Utilization of Platinum – Group Elements Deposits in Africa	Wang Fengxiang, Huang Shenglu, Wang Quan, Feng Yunlei, Chen Xifeng, Zhang Weibo, Zhang Wanyi(1229)
Geological Characteristics, Genetic Types, and Exploration and Development Status of Niobium – Tantalum Deposits in Africa	Zhao Dongjie, Chen Yuming, Zhang Weibo, Chen Xifeng, Chen Xiufa, Zhang Fuliang(1243)
Geological Characteristics, Exploration and Development of Zirconium Resources in Africa	Zhang Zhenfang, Wang Liangliang, Yu Rui, Chen Xiufa, Chen Xifeng, Li Yangchun, Zhang Xinyuan, Gao Aihong(1257)
Overview and Development Status of Phosphate Ore Resources in Africa	Wang Liangliang, Yu Rui, Chen Xicheng, Wu Liang(1269)
The Characteristics of Mineral Resources, Status of Mineral Exploitation and Investment Prospect in Namibia	Song Chongyu, Chen Xifeng, Li Yangchun, Yuan Chunhua(1278)
The Characteristics of Mineral Resources, Status of Mineral Exploitation and Investment Prospect in Guinea	Song Chongyu, Yuan Chunhua, Li Yangchun, Chen Xifeng(1287)
Potential and Investment Prospect of Important Mineral Resources in Botswana	Zhang Xingang, Zhou Zuomin, Yuan Qiyu(1297)
Geology, Mineral Resources and Mining Investment Prospect in Zambia	Wang Qiushu, Chen Xifeng, Yuan Chunhua, Zhang Zhenfang(1304)
Characteristics of Mineral Geology and Development Prospect in Mali	Shi Jiangpeng, Wang Qiushu, Yang Rihong, Yuan Chunhua, Han Jiuxi, Xie Xiaomin(1315)

METAL ORE DEPOSITS

Sedimentary Facies and Uranium Prospecting Potential of Quantou Formation in the Qing'an Area, Northeastern Margin of Songliao Basin Xing Zuochang, Qin Mingkuan, Luo Min, Jia Licheng, Li Yan, Guo Qiang, Zhang Hang(1327)

Geological Characteristics and Prospecting Potential of the 510 Deposit in the Ruo'ergai Ore Uranium Field, Sichuan Province Chen Tianhua, Zhang Xinming, Sun Xiang, Dong Zhikai, Ma Bin, Li Baoxin(1341)

STRUCTURAL GEOLOGY

The Main – period Tectonic Deformation Temperature and Age Constraint in the Hongqiuling Section of the Kanggur Tectonic Zone of the East Tianshan;Evidence from Quartz EBSD Fabrics Analysis Zhang Haidi, Luo Yanjun, Guo Weili, Zhang Dandan, Kang Lei, Liu Shengrong, Ren Guangli(1354)

GEOPHYSICS

Application of the audio Magnetotelluric (AMT) Method to the Exploration of the Dingtou Gold Deposit in Fengshan County, Guangxi Yan Xinluo, Liu Xiaozhu, Lu Bin, Chen Jiyong, Fang Guicong(1366)

Application of Integrated Geophysical Exploration Technology to the Survey of the Songshan Tunnel in Yanqing, Beijing Yang Ying, Yan Qinghua, Yi Junjie, Zhang Yalong(1374)

Denoising of MT Data by Time – Frequency Filtering Based on the Generalized S Transform Cai Jianhua, Xiao Yonglianag(1383)

HYDROLOGY,ENGINEERING AND ENVIRONMENT

Characteristics of Geology and Hydrochemistry of the Huangcun Geothermal Field in Heyuan City, Guangdong Province Qiu Hui, Zhu Yukun, Li Peng, Luo Qiang, Zhang Xuanguo(1391)

PETROLEUM GEOLOGY

Mathematical Characterization of Capillary Pressure of Middle – Low – Permeability of Rock in High – Rank Coal Seam Chen Ke, Chen Yiwen, Liu Zhiwei, He Wei, Yang Farong, Tang Lei(1401)

Characterization of Shale Organic – Pore Structure Using the Nitrogen Adsorption Method Zhang Zheng, Shang Shaoshi, Zhang Zhibing, Li Huaibin, Huang Hua(1408)

Contents of Geology and Exploration in 2021 (1416)