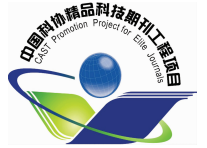


中国科学院科学出版基金资助项目

岩石学报

Yanshi Xuebao



2023年4月第39卷第4期

目次

钴镍成矿规律与勘查技术研究进展:前言 苏本勋 蒋少涌 崔梦萌 袁庆哈 闫立志 (963)

我国钴镍矿床的成矿规律、科学问题、勘查技术瓶颈与研究展望
..... 苏本勋 秦克章 蒋少涌 曹明坚 张招崇 张宏罗 薛国强 周涛发 莫江平 (968)

沉积岩-变沉积岩型钴矿研究进展与问题 张连昌 张爱奎 刘永乐 李文 董志国 高炳宇 王长乐 朱明田 (981)

吉林省大横路铜钴矿复杂的沉积-变质变形-热液作用演化过程及其对钴的赋存状态和富集成矿的制约
..... 王慧宁 刘福来 朱志勇 王舫 田忠华 (998)

中条山古元古代沉积岩容矿型铜钴矿床钴来源及富集过程 邱正杰 范宏瑞 杨奎锋 李麟瀚 (1019)

金川岩浆铜镍硫化物矿床中的镍钴分布规律及其控制因素 袁庆哈 苏本勋 (1030)

东昆仑造山带岩浆型镍钴矿床地质特征、成因机制与找矿标志分析
..... 李华 蒋少涌 李世金 苏慧敏 董加祥 李元宝 陈晓琳 (1041)

夏日哈木镍钴硫化物矿床镍钴赋存状态及其地质意义
..... 包亚文 张铭杰 闫继雄 张文龙 逮登栋 胡沛青 杨岳彪 (1061)

造山带背景铜镍矿床蚀变过程与水的来源——东天山黄山南矿床氢氧同位素的指示
..... 郑旭阳 毛亚晶 缪君 方坤根 陈寿波 席斌斌 秦克章 (1075)

甘-新北山地区二叠纪镁铁-超镁铁质岩体造岩矿物化学特征及其岩石学指示
..... 马博骋 钱壮志 KEAYS R Reid 徐刚 段俊 焦建刚 高文彬 陈阳阳 (1095)

岩浆型铜镍硫化物矿床综合地球物理勘查技术:以新疆克拉托克为例 薛国强 周楠楠 唐冬梅 (1117)

内蒙古中部克布铜镍硫化物矿床岩石成因与成矿过程
..... 焦建刚 徐铭池 周江迪 闫馨云 马云飞 段俊 王佳新 高栋 (1125)

长江中下游成矿带伴生钴资源现状及综合利用潜力评价 石磊 周涛发 范裕 张一帆 阎磊 梁贤 (1144)

黑龙江金厂斑岩型富钴矿床钴赋存状态和富集规律研究 单鹏飞 曹明坚 赵玉锁 秦克章 李光明 (1157)

Co-Ni 在镁铁-超镁铁层状岩体中的分布特征及对岩浆成矿的指示:以 Stillwater 岩体为例
..... 白洋 苏本勋 肖燕 崔梦萌 王静 袁庆哈 (1172)

扬子地块北缘毕机沟层状岩体亲铜元素地球化学特征及其对岩浆演化和硫化物熔离过程的制约
..... 栾燕 钱壮志 王瑞廷 焦建刚 孙晓辉 (1185)

板片俯冲过程中 Co、Ni 的分布及迁移特征——以西南天山为例 闫立志 苏本勋 王静 李文君 李继磊 (1203)

地质样品中钴、镍的分析进展 薛丁帅 李文君 王静 贾丽辉 毛亚晶 苏本勋 (1217)

封面设计: 刘 滢 封面标本: 西藏罗布莎豆状铬铁矿
封面标本摄影: 任 晖 封面标本提供: 苏本勋

CONTENTS

Progress in mineralization and prospecting technology of cobalt and nickel: Preface Su BX, Jiang SY, Cui MM, Yuan QH and Yan LZ	(963)
Mineralization regularity, scientific issues, prospecting technology and research prospect of Co-Ni deposits in China Su BX, Qin KZ, Jiang SY, Cao MJ, Zhang ZC, Zhang HL, Xue GQ, Zhou TF and Mo JP	(968)
Research progresses and problems of sedimentary-metasedimentary rock-hosted cobalt deposits Zhang LC, Zhang AK, Liu YL, Li W, Dong ZG, Gao BY, Wang CL and Zhu MT	(981)
Complex evolution of the sedimentation, metamorphism-deformation and hydrothermal processes and their constraints on the occurrence, enrichment and mineralization of Co in the Dahenglu Cu-Co deposit, Jilin Province Wang HN, Liu FL, Zhu ZY, Wang F and Tian ZH	(998)
Cobalt sources and enrichment processes of the Paleoproterozoic sedimentary rock-hosted Cu-Co deposits in the Zhongtiao Mountains Qiu ZJ, Fan HR, Yang KF and Li LH	(1019)
Distribution and controlling factors of nickel and cobalt in the Jinchuan magmatic Cu-Ni sulfide deposit Yuan QH and Su BX	(1030)
Geological characteristics, ore genetic mechanism and exploration indicators of magmatic nickel-cobalt deposits in the East Kunlun Orogenic Belt Li H, Jiang SY, Li SJ, Su HM, Dong JX, Li YB and Chen XL	(1041)
The Ni-Co occurrence modes and geological significance of the Xiarihamu Ni-Co sulfide deposit, western China Bao YW, Zhang MJ, Yan JX, Zhang WL, Lu DD, Hu PQ and Yang YB	(1061)
Alteration process and water origin of Ni-Cu deposits in orogenic belts: Insights from H and O isotopes of the Huangshannan deposit in East Tianshan Zheng XY, Mao YJ, Miao J, Fang KG, Chen SB, Xi BB and Qin KZ	(1075)
Mineral chemistry and petrological implications of rock-forming minerals from Permian mafic-ultramafic intrusions in the Gansu-Xinjiang Beishan area Ma BC, Qian ZZ, Keays RR, Xu G, Duan J, Jiao JG, Gao WB and Chen YY	(1095)
Geophysical technology for exploration of magmatic Ni-Cu sulfide deposits: Case study in Kalatongke deposit Xue GQ, Zhou NN and Tang DM	(1117)
Petrogenesis and metallogenic process of the Kebu magmatic Cu-Ni sulfide deposit in the central Inner Mongolia Jiao JG, Xu MC, Zhou JD, Yan XY, Ma YF, Duan J, Wang JX and Gao D	(1125)
Evaluation on the current status and comprehensive utilization prospect of associated cobalt resources in the Middle-Lower Yangtze River Valley metallogenic belt Shi L, Zhou TF, Fan Y, Zhang YF, Yan L and Liang X	(1144)
Occurrence and enrichment of cobalt in Jinchang cobalt-rich porphyry deposit, Heilongjiang Province Shan PF, Cao MJ, Zhao YS, Qin KZ and Li GM	(1157)
Distribution of Co-Ni in mafic-ultramafic layered intrusion and implications for formation of magmatic deposits: A case study of the Stillwater Complex Bai Y, Su BX, Xiao Y, Cui MM, Wang J and Yuan QH	(1172)
Chalcophile element geochemistry of the Bijigou layered intrusion, northern margin of the Yangtze Block: Implications for the processes of magma evolution and sulfide segregation Luan Y, Qian ZZ, Wang RT, Jiao JG and Sun XH	(1185)
Distribution and transfer of Co and Ni during slab subduction: A case study of Southwest Tianshan Yan LZ, Su BX, Wang J, Li WJ and Li JL	(1203)
Advances in analysis for cobalt and nickel in geological materials Xue DS, Li WJ, Wang J, Jia LH, Mao YJ and Su BX	(1217)