

第1期

特别关注

- 南海北部陆坡高饱和度天然气水合物气源运聚通道控藏作用 张伟 梁金强 苏丕波等(1)
- 南海北部陆坡天然气水合物区地质灾害类型及其分布特征 何健 梁前勇 马云等(15)

综述论文

- 世界海底多金属结核调查与研究进展 于森 邓希光 姚会强等(29)

学术论文

- 南海南部陆缘地质流体类型及其油气成藏意义 鄢伟 张光学 张莉等(39)
- 南海北部潮汕坳陷侏罗系沉积特征对储层的控制作用研究 强昆生 张光学 张莉等(48)
- 渤海南部莱州湾晚更新世以来沉积演化特征 高茂生 郭飞 侯国华等(59)
- 北黄海东部次盆地地下白垩统沉积环境及沉积充填 王改云 刘金萍 王嘹亮等(69)
- 台湾东澳片岩锆石U-Pb年龄及地质意义 黄长煌(81)
- 豫西崤山韩沟岩体锆石U-Pb定年、地球化学特征及地质意义 卢仁 梁涛(95)
- 滁州地区金牛侵入体的岩石成因:拆沉下地壳熔融还是壳幔混合 陈俊 王辉 王丽娟等(110)
- 内蒙古科尔沁右翼中旗协和尔斯特德中生代火山沉积地层时代研究 付俊彧 那福超 郑少林等(129)
- 阿尔泰造山带喀纳斯群变质岩地球化学特征及形成环境 裴国栋 弓小平 马华东等(141)
- 南天山坎岭铅锌矿床地质特征及S、Pb同位素特征研究 杨斌 陈正乐 张青等(155)
- 内蒙古二连盆地呼仁布其凹陷白垩系铀矿化特征与找矿远景 赵岳 徐强 梁叶萍等(168)
- 高光谱遥感地空综合预测方法在新疆卡拉塔格地区铜金矿床找矿中的应用 孙永彬 王瑞军 魏本赞等(178)

发现和进展

- 塔里木盆地西南坳陷齐姆根凸起侏罗系钻获油气显示 白忠凯 杨有星 邱海峻等(193)
- 鄂西北神农架背斜北翼(鄂红地1井)五峰—龙马溪组钻获页岩气显示 宋腾 陈科 包书景等(195)
- 内蒙古西乌旗德勒哈达早白垩世A型花岗岩形成时代:锆石U-Pb定年证据 王金芳 李英杰 李红阳等(197)
- 湖北宜昌地区奥陶系五峰组—志留系龙马溪组页岩气高产工业气流 陈孝红 张保民 张国涛等(199)
- 青海祁漫塔格群力矿床砂卡岩中白云母⁴⁰Ar/³⁹Ar年龄报道 何书跃 李东生 白国龙等(201)
- 鄂西宜昌地区震旦系灯影组藻丘灰岩钻获油气显示 王鹏 宋腾 陈科等(203)

简讯与热点

- 钢、镓、硒成为新能源材料新宠 应加强地质找矿与综合利用 (205)
- 《中国地质》入选“第4届中国精品科技期刊” (192)
- 中国地质调查局、中国地质科学院2017年度地质科技十大进展 (封二)
- 中国地质学会2017年度十大地质科技进展和十大地质找矿成果 (封三)
- 欢迎订阅2018年《中国地质》 (封四)
- 《中国地质》(双月刊)栏目设置与稿约 (I)

第2期

特别关注

- 湖北宜昌寒武系水井沱组页岩气藏主控地质因素和富集模式 陈孝红 危凯 张保民等(207)
- 塔里木盆地柯坪地区寒武系肖尔布拉克组下段古生产力研究 白忠凯 谢李 韩森等(227)

综述论文

- 论羌塘盆地沉积演化 王剑 付修根(237)
- 中国东北地区油气地质特征与勘探潜力展望 张君峰 许浩 赵俊龙等(260)

学术论文

- 黔西北骑龙村剖面五峰—龙马溪组黑色页岩孔隙结构特征 魏红霞 王聚杰 曾普胜等(274)
- 二连盆地白音查干凹陷下白垩统阿尔善组—都红木组层序地层 高红灿 郑荣才 肖斌等(286)
- 基于测井资料的辫状河三角洲沉积储层精细描述 赖锦 韩能润 贾云武等(304)
- 阿尔泰造山带喀纳斯群变质碎屑岩地球化学特征及年代学研究 李晓光 弓小平 裴国栋等(319)
- 北阿尔金地区早古生代洋壳俯冲时限:来自斜长花岗岩和花岗闪长岩的证据 彭银彪 于胜尧 张建新等(334)
- 皖北栏杆地区新元古代岩浆活动:含金刚石母岩U-Pb年代学及地球化学制约 蔡逸涛 张洁 董钟斗等(351)

大兴安岭北段图里河地区满克头鄂博组火山岩年代学及地球化学	刘凯 吴涛涛 刘金龙等(367)
四川龙门山地区早一中泥盆世混积相遗迹化石及其环境分析	荆锡贵 李凤杰 成晓雨等(377)
河南省刘老湾地区地质、物化探特征及找矿前景分析	刘啟能 周小栋 苏小岩等(392)

发现与进展

鄂尔多斯盆地纳岭沟地区含铀砂岩中含钛类矿物蚀变特征及与铀赋存关系新认识	陈路路 陈印 郭虎等(408)
本溪地区康家组石英砂岩中碎屑锆石 U-Pb 年龄及沉积物源时代限定	吴昊 丁孝忠 刘燕学等(410)
汉南古隆起周缘下寒武统(陕南地 1 井)发现海相页岩气	陈相霖 包书景 翟刚毅等(412)
渝东南正阳地区晚白垩世恐龙化石产出地层沉积环境特征	陈阳 尹福光 刘梓莹等(414)
下扬子地区二叠系大隆组和龙潭组“三气一油”钻探新发现	石刚 黄正清 郑红军等(416)

简讯与热点

“地球透镜计划”数据证实北美地下存在巨大地幔柱	(391)
2017 年度世界有色金属勘探开发集锦	(418)
深海之底有个“黑暗生物圈”	(419)
中国地质调查局“全国油气资源战略选区调查评价工程”进展	(封二)
中国小比例尺地质图概况	(封三)
欢迎订阅 2018 年《中国地质》	(封四)
《中国地质》(双月刊)栏目设置与稿约	(I)

第 3 期

特别关注

中国石墨矿成矿特征及成矿区带划分	颜玲亚 高树学 陈正国等(421)
------------------------	-------------------

综述论文

陆相红层型铜铅锌矿床与红层盆地热卤水成矿作用	杨兵(441)
------------------------------	---------

学术论文

龙江盆地龙江组火山岩的地球化学特征及锆石 U-Pb 年龄	张超 吴新伟 张渝金等(456)
新疆阿尔泰山西段喀纳斯地区奥陶纪火山岩锆石 U-Pb 年龄和地球化学特征	朱彦菲 木合塔尔·扎日 赵同阳等(469)
甘肃北山孙家岭含铀岩体 LA-ICP-MS 锆石 U-Pb 测年及地质意义	谢燮 赵国斌 杨合群等(483)
库车前陆冲断带横断层发育特征及其形成机制	王伟锋 王乾 单新建(493)
青海祁漫塔格成矿带与虎头崖铜铅锌多金属矿床有关的二长花岗岩体热年代学研究	瞿泓澂 刘建楠 裴荣富等(511)
滇中荒田铅锌矿床 Rb-Sr 同位素年代学与 C-O-S-Pb 同位素地球化学特征	王文元 高建国 刘心开等(528)
延边地区小西南岔富金铜矿床的成矿机理: 矿流体包裹体和同位素的制约	门兰静 张馨文 孙景贵等(544)
湘西唐家寨铅锌矿床铈、硫同位素及其对成矿物质来源的指示意义	王云峰 杨红梅 刘重范等(564)
鄂尔多斯盆地纳岭沟铀矿床目的层岩石学及铀存在形式	王思力 聂逢君 严兆彬等(573)
塔东北库鲁克塔格地区震旦—奥陶纪地质事件及生储盖组合	赵明胜 田景春 苏炳睿等(591)
水系沉积物测量在西藏春哲地区找矿效果	杜保峰 杨长青 柴建玉等(604)
山东淄博城市和近郊土壤元素地球化学特征及生态风险研究	代杰瑞 庞绪贵 宋建华等(617)

发现与进展

冈底斯成矿带西段首次发现低硫化型浅成低温热液型矿床——罗布真金银多金属矿床	黄瀚霄 李光明 刘洪等(628)
广西平果县发现大面积富硒土壤与富硒火龙果	罗为群 蒋忠诚 胡兆鑫等(630)
内蒙古查干凹陷毛 11 井发现中元古代晚期变质岩: 锆石 U-Pb 定年证据	罗军 云金表 何治亮等(632)
大兴安岭西缘新发现具有油气远景的中生界凹陷	刘卫彬 李世臻 周新桂等(634)
AMS ¹⁴ C 测年揭示的临夏盆地巴谢河流域典型滑坡的四次滑动	李昂 侯圣山 王立朝等(636)

简讯与热点

国际大洋科学钻探计划简介	(638)
21 世纪中叶我国需要找什么矿产?	(640)
中国地质调查局大宗紧缺矿产和战略行新兴产业矿床调查工程、整装勘查区基础地质调查与潜力评价工程进展	(封二)
青藏高原地区 1:25 万区域地质调查分布图	(封三)
《中国地质》(双月刊)栏目设置与稿约	(I)

第4期

特别关注

- 松辽盆地大陆深部科学钻探地球科学研究进展 侯贺晟 王成善 张交东等(641)
- 中国航磁大地构造单元划分 熊盛青 杨海 丁燕云等(658)
- 帕米尔高原东北缘活动构造对塔什库尔干盆地地热控制作用 刘健 史杰 姚鑫等(681)

综述论文

- 海南岛的成因机制研究 梁光河(693)

学术论文

- 内蒙古梅劳特乌拉蛇绿岩中早二叠世高镁闪长岩的发现及洋内俯冲作用 王金芳 李英杰 李红阳等(706)
- 伊犁盆地南缘琼博拉二长花岗岩锆石年代学及形成的动力学机制 李平 刘红旭 丁波等(720)
- 阿尔金中段大通沟花岗岩体年代学、地球化学特征及其成因 管坤坤 刘向东 何元方等(740)
- 豫西五里川—寨根一带秦岭岩群碎屑锆石U-Pb年龄研究 赵利刚 李承东 武志宇等(753)
- 中天山阿拉塔格环状杂岩体中闪长质包体地球化学与岩浆混合作用 余吉远 计波 王国强(767)
- 北喜马拉雅双穹隆构造的建立:来自藏南错那洞穹隆的厘定 付建刚 李光明 王根厚等(783)
- 东秦岭南泥湖铅锌银多金属矿田地球物理场特征与深部找矿预测 王耀升 刘申芬 王俊鹤等(803)
- 内蒙古新地沟金矿床黄铁矿热电性特征及深部找矿意义 刘华南 刘家军 李小伟等(819)
- 新疆白杨河铀矿床钻孔岩心蚀变分带特征及地质意义 侯隰膨 徐清俊 叶发旺等(839)

发现与进展

- 黔北黄平地区黄地1井下寒武统发现海相页岩气 葛明娜 包书景 何伟等(851)
- 西藏伦坡拉盆地中央凹陷带探获油气 李英烈 伍新和 汪锐等(853)
- 湖北建始地区志留系钻获致密砂岩气和页岩气 周志 任收麦 包书景等(855)
- 阜南盆地油气勘探获得重大突破 赵洪伟 陈树旺 汪大明等(857)
- 川南地区海相页岩气中发现微量硫化氢 陆廷清 胡明 刘墨翰等(859)
- 山西保德上二叠统孙家沟组中发现锯齿龙类集群埋藏化石 董黎阳 伊剑(861)

简讯与热点

- 有鳞动物最古老“祖先”认定 (802)
- 中国地质调查局地质科技创新计划取得丰硕成果 (封二)
- 青藏高原基础地质系列图 (封三)
- 《中国地质》(双月刊)栏目设置与稿约 (I)

第5期

特别关注

- 东南亚大地构造特征与成矿作用 刘书生 杨永飞 郭林楠等(863)

综述论文

- 全球铁矿床主要成因类型特征与重要分布区带研究 赵宏军 陈秀法 何学洲等(890)

学术论文

- 阿富汗—塔吉克盆地含油气系统特征与资源潜力 张凯逊 韩淑琴 王宗秀等(920)
- 秘鲁南部Don Javier斑岩铜钼矿床岩石地球化学与岛弧成因 金文强 高光明 高祥等(931)
- 东天山寨北山铜矿区钠质火山岩年代学、地球化学特征及其成因 孙志远 龙灵利 王玉往等(943)
- 内蒙古苇莲河石英脉型黑钨矿赋花岗岩成岩时代、地球化学特征及其地质意义 向安平 陈毓川 余宏全等(963)
- 完达山地块跃进山砂卡岩型铜金矿区酸性侵入岩锆石U-Pb年龄、地球化学特征及成因 张国宾 韩超 杨言辰等(977)
- 北秦岭宽坪岩群变质沉积岩年代学及地质意义 李承东 赵利刚 许雅雯等(992)
- 内蒙古阿鲁科尔沁旗陶海营子剖面林西组地球化学特征及其对物源—构造背景的制约 甄甄 陈树旺 郑月娟等(1011)
- 株洲天元白垩纪含化石层地质记录及恐龙死亡、埋藏过程初探 黄乐清 唐鹰 童潜明等(1023)
- 贵州龙动物群产出层位碳氧同位素研究 胡智丹 谢韬 尹福光(1039)
- 北川甘溪下泥盆统风暴岩沉积特征及其沉积模式 许安涛 李凤杰 刘奎等(1049)
- 新疆吉木萨尔地区油气渗漏与盐碱化相关性的航空高光谱遥感探测研究 刘德长 邱骏挺 童勤龙等(1062)

发现与进展

- 川东北普光地区发现新型杂卤石钾盐矿 郑绵平 张永生 商雯君等(1074)
- 四川南部地区川高参1井获煤层气高产工业气流 毕彩芹 单衍胜 朱韩友等(1076)

准噶尔盆地南缘探获中侏罗统低煤阶煤层气高产工业气流	单衍胜 毕彩芹 张家强 等(1078)
阿尔泰成矿带首次发现中型白钨矿床	彭素霞 李永 陈隽璐 等(1080)
白云鄂博地区发现独立钴矿床	刘利宝 王巍巍 吕新彪 等(1082)
内蒙古昌图锡力地区采用多学科找矿方法发现多层锰银铅锌矿体	何鹏 苏航 马一行 等(1084)

简讯与热点

美国内政部确定钨、稀土、锂等35种关键矿产清单	(1086)
“地球化学”国际大科学计划取得重要进展	(封二)
非洲优势矿产资源分布图	(封三)
《中国地质》(双月刊)栏目设置与稿约	(I)

第6期

特别关注

青海省共和县恰卜恰干热岩体地热地质特征	张森琦 严维德 黎敦朋 等(1087)
---------------------------	---------------------

综述论文

地质资源环境承载能力研究进展与发展方向	殷志强 李瑞敏 李小磊 等(1103)
---------------------------	---------------------

学术论文

基于PSInSAR技术的山东半岛蓝黄交迭区地面沉降发育特征与影响因素识别	刘宏伟 杜东 许静波 等(1116)
哈密盆地地下水系统水化学特征及形成演化	孙厚云 毛启贵 卫晓锋 等(1128)
特提斯喜马拉雅带地热水化学特征与物源机制	许鹏 谭红兵 张燕飞 等(1142)
福建龙海杨梅产地元素地球化学特征	严洪泽 周国华 孙彬彬 等(1155)
福建省寿宁县土壤硒分布特征及影响因素	吴俊(1167)
哈尔滨尘暴天气沉降物的物质组成及其对物源的限制	袁方 谢远云 迟云平(1177)
粤东南燕山期热隆伸展及其古水热系统——以恩平—新丰拆离断层为例	秦旭平 李德威 刘建雄 等(1188)
河南汝阳竹园沟钼矿床的发现及其成因讨论	严海麒 曲锦 傅晓强 等(1205)
西藏鲁鲁穷含铜磁铁矿床的发现及地质特征	杨绍 李德威 陈桂凡 等(1214)
大营地区古层间氧化带识别与空间定位预测	鲁超 焦养泉 彭云彪 等(1228)
西准噶尔巴音达拉地区卡拉岗组火山岩锆石U-Pb年代学、地球化学及其地质意义	刘阁 舍建忠 杨文龙 等(1241)
南海北部潮汕坳陷侏罗系古地貌特征及沉积相模式	强昆生 张光学 张莉 等(1251)
湖北宜昌志留系纱帽组几丁虫生物地层学	陈孝红 张森 王传尚 等(1259)
辽宁金州寒武系长山组生物丘沉积特征	贡云云 姜含璐 倪胜利 等(1271)
高分遥感技术在西昆仑大红柳滩—俘虏沟地区地质找矿中的应用	王辉 秦绪文 范玉海 等(1289)

发现与进展

黔西六盘水杨梅树发现工业级煤层气	单衍胜 毕彩芹 张家强 等(1302)
湖北建始地区二叠系鄂建业1井钻获页岩气	周志 包书景 陈科 等(1304)
鸡西盆地煤炭资源枯竭矿区钻获高含气量煤系储层	毕彩芹 单衍胜 逢磬 等(1306)
青海祁漫塔格乌兰拜兴铁矿床形成时代:来自石英闪长岩锆石U-Pb定年证据	张勇 何书跃 刘智刚 等(1308)
西藏尼玛盆地发现多种化石:地层划分新证据	李英烈 伍新和 汪锐(1310)
滇西南忙怀组时代的限定:基于叶肢介化石和锆石U-Pb年龄	罗亮 王冬兵 楚道亮 等(1312)

简讯与热点

澳洲北部发现了超级页岩气资源	(1314)
自然资源部公布2017年中国主要矿产资源储量报告	(1315)
2017年部分地质学类期刊主要指标	(1316)
中国地质调查局“山地丘陵区地质灾害调查工程”进展	(封二)
西藏自治区江达县“10.11”白格滑坡、堰塞湖	(封三)
《中国地质》(双月刊)栏目设置与稿约	(I)
《中国地质》2018年总目录	(III)

GEOLOGY IN CHINA 2018(Vol.45)CONTENTS

No.1

In Focus

- Migrating pathways of hydrocarbons and their controlling effects associated with high saturation gas hydrate in Shenhu area, northern South China Sea..... ZHANG Wei, LIANG Jinqiang, SU Pibo, et al(1)
- Geohazards types and their distribution characteristics in the natural gas hydrate area on the northern slope of the South China Sea HE Jian, LIANG Qianying, MA Yun, et al(15)

Reviews

- The progress in the investigation and study of global deep-sea polymetallic nodules YU Miao, DENG Xiguang, YAO Huiqiang, et al(29)

Research Articles

- Focused fluid flow systems and their implications for hydrocarbon accumulations on the southern margin of South China Sea YAN Wei, ZHANG Guangxue, ZHANG Li, et al(39)
- A study of depositional characteristics of the Jurassic strata in Chaoshan Sub-basin, northern South China Sea, and its control on reservoir beds QIANG Kunsheng, ZHANG Guangxue, ZHANG Li, et al(48)
- The evolution of sedimentary environment since late Pleistocene in Laizhou Bay, Bohai Sea GAO Maosheng, GUO Fei, HOU Guohua, et al(59)
- Early Cretaceous sedimentary environment and filling in the Eastern Sub-basin, North Yellow Sea WANG Gaiyun, LIU Jinping, WANG Liaoliang, et al(69)
- Zircon U–Pb isotopic geochronology of Tongao schist in Taiwan and its geological significance HUANG Changhuang(81)
- Zircon U–Pb dating and geochemical features of Hangou granitic body in Xiaoshan Mountain, western Henan Province, and its geological implications LU Ren, LIANG Tao(95)
- Petrogenesis of Jinniu rock mass in Chuzhou area: Melting of delaminated lower crust or mixing of crust and mantle? CHEN Jun, WANG Hui, WANG Lijuan, et al(110)
- A study of geological age of the Mesozoic volcanic-sedimentary strata in Xiehe'rside area, Horqin Right Wing Middle Banner, Inner Mongolia FU Junyu, NA Fuchao, ZHENG Shaolin, et al(129)
- Geochemical characteristics and formation environments of metamorphic rocks in the Kanas Group of Altay tectonic belt PEI Guodong, GONG Xiaoping, MA Huadong, et al(141)
- Geological characteristics and sulfur and lead isotopes of the Kanling lead-zinc deposit, Southern Tianshan Mountains YANG Bin, CHEN Zhengle, ZHANG Qing, et al(155)
- Uranium mineralization characteristics of Cretaceous period and prospecting direction of the Hurenbuqi depression in Erlian basin, Inner Mongolia ZHAO yue, XU Qiang, LIANG Yeping, et al(168)
- The application of hyperspectral remote sensing ground-air integrated prediction method to the copper gold deposit prospecting in Kalatag area, Xinjiang SUN Yongbin, WANG Ruijun, WEI Benzan, et al(178)

Discoveries and Development

- New findings of oil and gas show drilling in Qimugen uplift, southwest depression of Tarim Basin BAI Zhongkai, YANG Youxing, QIU Haijun, et al(193)
- The discovery of shale gas in Wufeng-Longmaxi Formation at Hongdi-1 Well on the northern limb of Shennongjia anticline in northwestern Hubei Province SONG Teng, CHEN Ke, BAO Shujing, et al(195)
- Formation age of the Delehada Early Cretaceous A-type granite in Xiwu Banner, Inner Mongolia: Evidence from zircon U–Pb chronology WANG Jinfang, LI Yingjie, LI Hongyang, et al(197)
- High shale gas industry flow is obtained from the Ordovician Wufeng Formation and the Silurian Longmaxi Formation of Yichang area, Hubei Province CHEN Xiaohong, ZHANG Baomin, ZHANG Guotao, et al(198)
- The report on $^{40}\text{Ar}/^{39}\text{Ar}$ age of muscovite from the Qunli Fe-polymetallic deposit in the Qimantag area, Qinghai Province HE Shuyue, LI Dongsheng, BAI Guolong, et al(201)

The discovery of algal and bioherm reservoir in Sinian Dengying Formation, Yichang area, Western Hubei Province *WANG Peng, SONG Teng, CHEN Ke, et al*(203)

New and Highlights

Indium, gallium and selenium receive considerable attention from industrial circles and hence deserves much more geological and prospecting efforts..... (205)

No.2

In Focus

Main geological factors controlling shale gas reservoir in the Cambrian Shuijingtuo Formation in Yichang of Hubei Province as well as its enrichment patterns..... *CHEN Xiaohong, WEI Kai, ZHANG Baoming, et al*(207)

Paleoproductivity conditions of lower member of Cambrian Xiaoerbulak Formation in Kalpin thrust belt, Tarim Basin *BAI Zhongkai, XIE Li, HAN Miao, et al*(227)

Reviews

Sedimentary evolution of the Qiangtang Basin *WANG Jian, FU Xiugen*(237)

Geological characteristics and exploration potential of oil and gas in the northeast area of China *ZHANG Junfeng, XU Hao, ZHAO Junlong, et al*(260)

Research Articles

Micropore structure characteristics of Wufeng–Longmaxi Formation black shale along Qilongcun section in northwest Guizhou *WEI Hongxia, WANG Jujie, ZENG Pusheng, et al*(274)

Sequence stratigraphy of the Lower Cretaceous Aershan—Duhongmu Formation in Baiyinchagan Sag, Erlian Basin *GAO Hongcan, ZHENG Rongcai, XIAO Bin, et al*(286)

Detailed description of the sedimentary reservoir of a braided delta based on well logs *LAI Jin, HAN Nengrun, JIA Yunwu, et al*(304)

Geochemistry and geochronology of metamorphic rocks in Kanas Group, Altay orogenic belt *LI Xiaoguang, GONG Xiaoping, PEI Guodong, et al*(319)

Timing of Early Paleozoic oceanic crust subduction in North Altun: Evidence from plagiogranite and granodiorite *PENG Yinbiao, YU Shengyao, ZHANG Jianxin, et al*(334)

Neoproterozoic basic magmatism in the north of Anhui Province: Evidence from whole– rock geochemistry and U– Pb geochronology of diabase in Langan area *CAI Yitao, ZHANG Jie, DONG Zhongdou, et al*(351)

Geochronology and geochemistry of volcanic rocks in Manketou'ebo Formation of Tulihe area, northern Da Hinggan Mountains *LIU Kai, WU Taotao, LIU Jinlong, et al*(367)

Trace fossils of hybrid facies from Early–Middle Devonian strata in Longmenshan area, Sichuan Province *JING Xigui, LI Fengjie, CHENG Xiaoyu, et al*(377)

An analysis of geological, geophysical and geochemical characteristics and prospecting potentiality of the Liulaowan area in Henan Province..... *LIU Qineng, ZHOU Xiaodong, SU Xiaoyan, et al*(392)

Discoveries and Development

Alteration characteristics of titanium– bearing minerals and New knowledge about their relationship to uranium occurrence in uraniferous sandstone of Nalinggou area, Ordos Basin *CHEN Lulu, CHEN Yin, GUO Hu, et al*(408)

The detrital zircons U–Pb datings of the quartz sandstones from Kangjia Formation in Benxi area and sedimentary provenances *WU Hao, DING Xiaozhong, LIU Yanxue, et al*(410)

The discovery of shale gas within Lower Cambrian marine facies at Shan Nandi–1 well on the margin of Hannan palaeoupift *CHEN Xianglin, BAO Shujing, ZHAI Gangyi, et al*(412)

Recent progress in the study of the sedimentary environment of Late Cretaceous dinosaur strata in Zhengyang area, southeastern Chongqing *CHEN Yang, YIN Fuguang, LIU Zixuan, et al*(414)

New drilling discovery of “Three Gas One Oil” in the Dalong Formation and Longtan Formation of Permian strata of lower Yangtze area *SHI Gang, HUANG Zhengqing, ZHENG Hongjun, et al*(416)

New and Highlights

The Earth Scope Plan’ data affirm the existence of a gigantic mantle plume under North America (391)

“Collection of the world”’s nonferrous ore exploration and development cases in 2017	(418)
A “dark biosphere ” exists at the bottom of deep sea	(419)

No.3

In Focus

Metallogenic characteristics and metallogenic zoning of graphite deposits in China	<i>YAN Lingya , GAO Shuxue, CHEN Zhengguo, et al</i> (421)
--	--

Reviews

Red bed Cu–Pb–Zn deposits and mineralization of hot brine in continental red bed basin	<i>YANG Bing</i> (441)
--	------------------------

Research Articles

Geochemistry and zircon LA–ICP–MS U–Pb age of volcanic rocks in Longjiang Formation of Longjiang basin	<i>ZHANG Chao, WU Xinwei, ZHANG Yujin, et al</i> (456)
Zircon U– Pb age and geochemical characteristics of Ordovician volcanic rocks from Kanasi area in Western Altay Mountains, Xinjiang	<i>ZHU Yanfei, MU Hetaer • zhari, ZHAO Tongyang, et al</i> (469)
LA– ICP– MS zircon U– Pb dating and geological significance of the Sunjialing scandium mineralized intrusion in the Beishan region, Gansu Province	<i>XIE Xie, ZHAO Guobin, YANG Hequn, et al</i> (483)
Development characteristics and formation mechanism of transverse faults along the Kuqa thrust belt	<i>WANG Weifeng, WANG Qian, SHAN Xinjian</i> (493)
Thermochronology of the monzonitic granite related to the Hutouya Cu– Pb– Zn polymetallic deposit in Qiman Tage, Qinghai Province	<i>QU Hongying, LIU Jiannan, PEI Rongfu, et al</i> (511)
Rb– Sr isotopic geochronology and C– O– S– Pb isotope geochemical characteristics of the Huangtian Pb– Zn deposit, Central Yunnan	<i>WANG Wenyuan, GAO Jianguo, LIU Xinkai, et al</i> (528)
Metallogenic mechanism of the Xiaoxinancha Au–rich Cu deposit in Yanbian area, Jilin Province: Constrains from fluid inclusions and isotope geochemistry	<i>MEN Lanjing, ZHANG Xinwen, SUN Jinggui, et al</i> (544)
Strontium and sulfur isotopic characteristics of the Tangjiazhai Pb– Zn deposit in western Hunan Province, China; Denotative significance for ore–forming materials Source	<i>WANG Yunfeng, YANG Hongmei, LIU Chongpeng, et al</i> (564)
Lithologic characteristics and modes of occurrence of uranium of the target strata in the Nalinggou uranium deposit of Ordos Basin	<i>WANG Sili, NIE Fengjun, YAN Zhaobin, et al</i> (573)
The geological event and the assemblage of source–reservoir–seal rock during the Sinian–Ordovician period in Kuruktag region of northeastern Tarim Basin	<i>ZHAO Mingsheng, TIAN Jingchun, SU Bingrui, et al</i> (591)
The effect of stream sediment survey for prospecting in Chunzhe area, Tibet	<i>DU Baofeng, YANG Changqing, CHAI Jianyu, et al</i> (604)

A study of geochemical characteristics and ecological risk of elements in soil of urban and suburban areas of Zibo City, Shandong Province	<i>DAI Jierui, PANG Xugui, SONG Jianhua, et al</i> (617)
--	--

Discoveries and Development

An low sulfide epithermal gold–silver polymetallic deposit newly discovered in the western section of the Gangdise metallogenic belt	<i>HUANG Hanxiao, LI Guangming, LIU Hong, et al</i> (628)
Large area of selenium–rich soil and selenium–rich <i>Hylocereus undulatus</i> discovered in Pingguo County, Guangxi	<i>LUO Weiqun, JIANG Zhongcheng, HU Zhaoxin, et al</i> (630)
The discovery of Mesoproterozoic gneiss from Mao 11 well in Cha’ gan Sag, Inner Mongolia: Evidence from zircon U– Pb geochronology	<i>LUO Jun, YUN Jinbiao, HE Zhiliang, et al</i> (632)
New findings of Mesozoic depression with hydrocarbon potential in the west of Da Hinggan Mountains	<i>LIU Weibin, LI Shizhen, ZHOU Xingui, et al</i> (634)
Four sliding events of a typical landslide in Baxie river catchment, Linxia Basin, Northwest China revealed by AMS ¹⁴ C dating method	<i>LI Ang, HOU Shengshan, WANG Lichao, et al</i> (636)

New and Highlights

A brief introduction to the International Ocean Drilling Program	(638)
What kind of mineral resources should China search for in the middle of the 21st century?	(640)

No.4

In Focus

- Deep continental scientific drilling engineering in Songliao Basin: Progress in earth science research
..... *HOU Hesheng, WANG Chengshan, ZHANG Jiaodong, et al*(641)
- Subdivision of tectonic units in China based on aeromagnetic data *XIONG Shengqing, YANG Hai, DING Yanyun, et al*(658)
- The control of neo-tectonic activity over geothermal resource in the Taxkorgan Basin on the northeastern margin of the Pamir
..... *LIU Jian, SHI Jie, YAO Xin, et al*(681)

Reviews

- A study of the genesis of Hainan Island *LIANG Guanghe*(693)

Research Articles

- The discovery of the Early Permian high-Mg diorite in Meilaotewula SSZ ophiolite of Inner Mongolia and its Intra-oceanic Subduction *WANG Jinfang, LI Yingjie, LI Hongyang, et al*(706)
- The Zircon U-Pb geochronology and dynamics mechanism for the formation of monzonitic granite in the Qiongbola area, south of Yili basin *LI Ping, LIU Hongxu, DING Bo, et al*(720)
- Geochronology, geochemistry and petrogenesis of the Datonggou granitic plutons in the middle section of Altun Mountains
..... *JIAN Kunkun, LIU Xiangdong, HE Yuanfang, et al*(740)
- Detrital zircon U-Pb geochronology of the Qinling Group in Wulichuan-Zhaigen area, West Henan
..... *ZHAO Ligang, LI Chengdong, WU Zhiyu, et al*(753)
- Geochemistry of dioritic enclaves related to magmatic mixing in the concentrically zoned Alatage igneous complex, central Tianshan Mountains *YU Jiyuan, JI Bo, WANG Guoqiang*(767)
- Establishment of the North Himalayan double gneiss domes: Evidence from field identification of the Cuonadong dome, south Tibet
..... *FU Jiangang, LI Guangming, WANG Genhou, et al*(783)
- Geophysical field characteristics and deep ore prospecting prediction of the Nannihu molybdenum lead-zinc-silver polymetallic ore field in East Qinling Mountain *WANG Yaosheng, LIU Shenfen, WANG Junhe, et al*(803)
- Thermoelectric characteristics of pyrite from the Xindigou gold deposit in Inner Mongolia and its significance on deep prospecting
..... *LIU Huanan, LIU Jiajun, LI Xiaowei, et al*(819)
- Alteration zonation of drilling cores in the Baiyanghe uranium deposit of Xinjiang and its geological implications
..... *HOU Jianpeng, XU Qingjun, YE Fawang, et al*(839)

Discoveries and Development

- The discovery of shale gas in Lower Cambrian marine shale gas at Huangdi-1 well in Huangping region of northern Guizhou
..... *GE Mingna, Bao Shujing, HE Wei, et al*(851)
- New findings of oil and gas in central depression of Lunpola Basin, Tibet *LI Yinglie, WU Xinhe, WANG Rui, et al*(853)
- The discovery of tight gas and shale gas in Silurian strata in Jianshi, Hubei Province
..... *ZHOU Zhi, REN Shoumai, BAO Shujing, et al*(855)
- Major breakthroughs in oil and gas exploration in the Fuxin Basin
..... *ZHAO Hongwei, CHEN Shuwang, WANG Daming, et al*(857)
- The discovery of hydrogen sulfide-bearing marine shale gas in southern Sichuan
..... *LU Tingqing, HU Ming, LIU Mohan, et al*(859)
- The discovery of clusters of buried fossil remains of pareiasaurs in Upper Permian Sunjiagou Formation in Baode, Shanxi Province
..... *DONG Liyang, YI Jian*(861)

New and Highlights

- The confirmation of the oldest 'ancestors' of animals with scales (802)

No.5

In Focus

- Tectonic characteristics and metallogeny in Southeast Asia
..... *LIU Shusheng, YANG Yongfei, GUO Linnan, et al*(863)

Reviews

- A study of genetic type characteristics and important distribution zones of global iron deposits
..... ZHAO Hongjun, CHEN Xiufa, HE Xuezhou, et al(890)

Research Articles

- Characteristics of petroleum systems and resources potential in the Afghan–Tajik Basin
..... ZHANG Kaixun, HAN Shuqin, WANG Zongxiu, et al(920)
- Lithogeochemistry and island arc origins of Don Javier porphyry copper–molybdenum deposit in southern Peru
..... JIN Wenqiang, GAO Guangming, GAO Xiang, et al(931)
- Geochronology, geochemistry and genesis of Na–rich volcanic rocks of the Zhaibeishan copper deposit in Eastern Tianshan Mountains SUN Zhiyuan, LONG Lingli, WANG Yuwang, et al(943)
- Chronology and geochemical characteristics of granite in Weilianhe of Inner Mongolia and its geological significance
..... XIANG Anping, CHEN Yuchuan, SHE Hongquan, et al(963)
- Zircon U–Pb age, geochemistry and genesis of acid intrusive rocks in the Yuejinshan skarn type copper–gold deposit, Wandashan block ZHANG Guobin, HAN Chao, YANG Yanchen, et al(977)
- Chronology of metasedimentary rocks from Kuanping Group Complex in North Qinling Belt and its geological significance
..... LI Chengdong, ZHAO Ligang, XU Yawen, et al(992)
- Geochemical characteristics of Linxi Formation along Taohaiyingzi section in Ar Horqin Banner, Inner Mongolia, and the constraint on the provenances and the tectonic settings ZHEN Zhen, CHEN Shuwang, ZHENG Yuejuan, et al(1011)
- Geological records of fossils layer and death process and taphonomy of dinosaurs in Cretaceous in Tianyuan, Zhuzhou
..... HUANG Leqing, TANG Ying, TONG Qianming, et al(1023)
- Carbon and oxygen isotopic studies of the horizon of Kueichousaurus Fauna HU Zhidan, XIE Tao, YIN Fuguang(1039)
- The characteristics and sedimentary model of Storm deposits in the Lower Devonian strata of Beichuan
..... XU Antao, LI Fengjie, LIU Kui, et al(1049)
- Airborne hyperspectral study of spatial relationship between oil and gas leakage and salinization in Jimusar area
..... LIU Dechang, QIU Junting, TONG Qinlong, et al(1062)

Discoveries and Development

- Discovery of a new type of polyhalite potassium ore in Puguang region, northeastern Sichuan
..... ZHENG Mianping, ZHANG Yongsheng, SHANG Wenjun, et al(1074)
- Industrial gas production of CBM obtained by Well CGC1 in southern Sichuan
..... BI Caiqin, SHAN Yansheng, ZHU Hanyou, et al(1076)
- Productive industrial gas flow obtained in Middle Jurassic low–rank coalbed methane seam in southern Junggar Basin
..... SHAN Yansheng, BI Caiqin, ZHANG Jiaqiang, et al(1078)
- The first discovery of medium–sized scheelite deposit in the Altay Region of Xinjiang
..... PENG Suxia, LI Yong, CHEN Junlu, CHEN Xiangyang, et al(1080)
- Discovery and geological significance of a cobalt–only deposit at Bayan Obo, Inner Mongolia
..... Liu Libao, Wang Weiwei, Lv Xinbiao, et al(1082)
- The discovery of multilayer manganese silver lead zinc orebody by adopting the method of multidisciplinary prospecting in Changtu tin force area, Inner Mongolia HE Peng, SU Hang, MA Yixing, et al(1084)

New and Highlights

- US Department of the Interior determines a complete list of 35 kinds of key mineral resources such as tungsten, rare earth and lithium (1086)

No.6

In Focus

- Characteristics of geothermal geology of the Qiabuqia HDR in Gonghe Basin, Qinghai Province
..... ZHANG Senqi, YAN Weide, LI Dunpeng, et al(1087)

Reviews

Research progress and future development directions of geo-resources and environment carrying capacity
..... *YIN Zhiqiang, LI Ruimin, LI Xiaolei, et al*(1103)

Research Articles

Characteristics and affecting factors of land subsidence identification based on PSInSAR measures in Shandong Peninsula Blue-Yellow Overlapping Economic Zone *LIU Hongwei, DU Dong, XU Jingbo, et al*(1116)

Hydrogeochemical characteristics and formation evolutionary mechanism of the groundwater system in the Hami basin
..... *SUN Houyun, MAO Qigui, WEI Xiaofeng, et al*(1128)

Geochemical characteristics and source mechanism of geothermal water in Tethys Himalaya belt
..... *XU Peng, TAN Hongbing, ZHANG Yanfei, et al*(1142)

Geochemical characteristics of the bayberry producing area in Longhai,Fujian
..... *YAN Hongze, ZHOU Guohua, SUN Binbin, et al*(1155)

The distribution of soil selenium in Shouning County of Fujian Province and its influencing factors *WU Jun*(1167)

Material characteristics of dust fallouts during the dust-storm weather in Harbin: Constraint on the provenance
..... *YUAN Fang, XIE Yuanyun, CHI Yunping*(1177)

Yanshanian thermo-upwelling extension and palaeo-hydrothermal system in southeast Guangdong: A case study of Enping-Xinfeng detachment fault *QIN Xuping, LI Dewei, LIU Jianxiong, et al*(1188)

The discovery and genetic discussion of Zhuyuangou molybdenum deposit in Ruyang County, Henan Province
..... *YAN Haiqi, QU Jin, FU Xiaoqiang, et al*(1205)

The discovery of the Wuluqiong magnetite deposit in Tibet and its geological Characteristics
..... *YANG Shao, LI Dewei, CHEN Guifan, et al*(1214)

Paleo - interlayer oxidation zone identification and spatial localization prediction in Daying area
..... *LU Chao, JIAO Yangquan, PENG Yunbiao, et al*(1228)

Zircon U-Pb chronology and geochemistry of the Kalagang Formation volcanic rocks in Bayindala area, West Junggar, and their geological significance *LIU Ge, SHE Jianzhong, YANG Wenlong, et al*(1241)

Paleogeomorphic features and sedimentary facies model of Jurassic strata in Chaoshan sub-basin, northern South China Sea
..... *QIANG Kunsheng, ZHANG Guangxue, ZHANG Li, et al*(1251)

Chitinozoan biostratigraphy of the Silurian Shamao Formation in Yichang of Hubei Province
..... *CHEN Xiaohong, ZHANG Miao, WANG Chuanshang, et al*(1259)

Sedimentary characteristics of the bioherm in Cambrian Changshan Formation in Jinzhou area, Liaoning Province
..... *GONG Yunyun, JIANG Hanlu, NI Shengli*(1271)

The application of high resolution remote sensing technology to ore-prospecting in Dahongliutan-Fulugou area of West Kunlun Mountains *WANG Hui, QIN Xuwen, FAN Yuhai, et al*(1289)

Discoveries and Development

Industrial grade coalbed methane findings in Yangmeishu syncline, Liupanshui area, western Guizhou
..... *SHAN Yansheng, BI Caiqin, ZHANG Jiaqiang, et al*(1302)

An important discovery of shale gas in Permian formation of Jianshi area, Hubei Province
..... *ZHOU Zhi, BAO Shujing, CHEN Ke, et al*(1304)

High gas coal reservoir drilled in coal resource exhausted mining areas of Jixi Basin
..... *BI Caiqin, SHAN Yansheng, PANG Bo, et al*(1306)

The mineralization period of the Wulanbaixing iron ore deposit in Qimantag: Evidence from zircon U-Pb dating of the quartz diorite, in Qinghai Province *ZHANG Yong, HE Shuyue, LIU Zhigang, et al*(1308)

Multiple fossils found in Nima Basin, Tibet: New evidence for stratigraphic division *LI Yinglie, WU Xinhe, WANG Rui*(1310)

The definition of the age of Manghuai Formation based on the study of palaeontology and zircon U-Pb chronology in western Yunnan Province *LUO Liliang, WANG Dongbing, CHU Daoliang, et al*(1312)

New and Highlights

Super shale gas resources discovered in northern Australia (1314)

Report on reserves of China's major mineral resources published by Ministry of Natural Resources (1315)