

中国科学引文数据库(CSCD)来源期刊

中文核心期刊

中国科技核心期刊

地质科技情报

2017 年 第 36 卷 第 5 期

(总第 176 期)

(国内外公开发行,双月刊)

2017 年 9 月出版

理事单位

(排名不分先后)

湖北省地质科学研究所

湖北省地质局第一地质大队

贵州省地质矿产勘查局一一五地质大队

贵州省地质调查院

湖北省页岩气开发有限公司

中国石化江汉油田分公司勘探开发研究院

目次

· 基础地质 ·

- 基于 ArcGIS 建模器的数据处理模型在摩洛哥地球化学填图中的应用…刘江涛,吴发富,王建雄,向运川,El Hmidi Khalid(1)
- 宁镇地区下蜀黄土粒度特征及其古环境意义
……………陈璞皎,郑祥民,周立旻,刘峰(7)
- 毛乌素沙地晚第四纪地层特征与沙漠化研究综述
……………楚纯洁,赵景波,吴楠楠,周金凤(14)
- 豫西宜阳南部地区中新世地质构造特征分析及其演化过程
……………徐江红,郑德顺,刘思聪,乔雨,王振江,李雨(22)
- 塔中西北部顺西地区良里塔格组层序地层格架划分
…唐鹏,蔡忠贤,漆立新,云露,张恒,井康康,何君毅(31)
- 秦岭造山带东段中新世的隆升:洛南、山阳盆地碎屑颗粒磷灰石裂变径迹记录…徐世钊,余尚江,李玮,宁奥杰,郑成鹏(40)
- 贵州绥阳响水洞洞穴壶穴形态的形成与发育 ……张结,周忠发,潘艳喜,殷超,汪炎林,田衷琿,曹明达,张绍云(48)

· 矿产地质 ·

- 鄂尔多斯盆地陆相页岩吸附规律研究
……………郭平,张伟,李赞,汪周华,田凯凯(54)
- 东非 Morondava 盆地 Tsimiroro 稠油油田成藏特征
……………何文祥,江凯禧,万欢,郭清正,李晶晶,赵才顺(60)
- 印度河盆地白垩统海相三角洲沉积与油气富集规律
……………陈旭,王红梅,谢锐杰,杨建房,刘彩芹,柯钦(69)
- 俄罗斯主要含油气盆地油气地质特征与成藏模式
……………陈景阳,蔡文杰,张洋,龙旭,王涛(76)
- 低油价下精细油藏描述研究的思考与对策
……………陈欢庆,石成方,胡海燕,吴洪彪,曹晨(85)
- 西非被动大陆边缘盆地深水沉积体系特征
…程涛,于水,陶维祥,郝立华,沈野,马金革,刘小龙(92)
- 西非下刚果盆地 Madingo 组烃源岩地球物理综合评价…黄兴,杨香华,朱红涛,邓运华,康洪全,王波,黄众,张璐(102)
- 西非科特迪瓦盆地深水区油气地质特征及成藏主控因素
……………张凤廉,屈红军,张功成,赵冲,冯杨伟(112)
- 沁水盆地南部煤层气地球化学特征及影响因素
……………肖七林,张曼婷,刘颖,纪彦波,董钟骏,万永刚(118)

复杂断块区新近系河流相砂体有利成藏条件研究:以南堡凹陷 4-2 区为例

..... 王子嵩,赵隆顺,陈吉,宋宝顺,商琳(125)

湖盆重力流沉积特征及模式:以鄂尔多斯盆地及滦平盆地为例

..... 刘策,于炳松,蒋锐,谭聪,罗忠,刘润达(133)

豫西寺家沟金矿床氢氧硫同位素特征及地质意义 徐书奎(143)

重力流沉积砂岩的成因、改造及油气勘探意义 陈宇航,朱增伍,贾鹏,孙晓光,王君(148)

下扬子地区下寒武统富有机质页岩的岩相与沉积环境 樊佳莉(156)

西藏仲巴县玛浪勒铜矿床地质特征及流体包裹体研究

..... 栾康,郑有业,高顺宝,伍登浩,巩学鹏,田坎,姜军胜,张永超(164)

承德地区隐伏矿综合信息成矿预测... 谢迎春,熊盛青,董双发,邓国武,汪冰,程思思,范芳,李川平(173)

黔南独山梯矿田找矿突破思路及找矿模型 潘金权,孙俊,沈维佳,陈召拾,伍登浩(181)

湖南省城步县落家冲钨矿床地质特征及找矿前景分析

..... 杜云,罗小亚,黄革非,田磊,王敬元,樊晖,周立同(187)

西天山阿希金矿床围岩蚀变 刘占坤,毛先成,潘敏,和平贤(195)

• 工程地质 •

前期含水率对浅层滑坡降雨入渗及稳定性影响研究 唐扬,殷坤龙,夏辉(204)

基于统一强度理论多层滑坡体中抗滑桩最大桩间距研究 张海宽,张友,刘涛,李长冬(209)

• 环境地质 •

福建省德化县金矿区民间冶炼活动相关的土壤与大气汞污染特征 乔胜英,刘江,

胡方泱,张昕,蔺强强,吕串,王瀚博(216)

• 技术方法 •

牙轮钻头牙齿磨损的数值模拟 邓嵘,李向东,丰波,邱顺佐,李孟华(222)

青海东昆仑重点成矿带岩石钻进特性及金刚石钻头使用效果分析

..... 高元宏,梁俭,刘鹏,潘秉锁,刘海声,应春业(228)

南海珊瑚礁本底调查“琛科一井”钻探工艺 宋继伟,蒋国盛,李勇(232)

乌蒙山区探采结合井位探测物探方法综合研究 李富,邓国仕,王德伟,周一敏,唐业旗(238)

欠压实低速泥岩对地震反射及 AVO 的影响 李芳,邓勇,刘仕友,廖键(244)

塔里木盆地顺南地区火山口地震勘探方法及其与油气关系

..... 李坤白,吕海涛,蒲仁海,曹自成,徐鹏晔(249)

多次波贡献道集优化在波场延拓压制多次波中的应用

..... 欧阳敏,王大为,杨文博,邓聪,李列,李林,柴继堂(256)

分布式声音传感技术在油田中的应用及发展前景 刘均荣,史伟新,李博宇,周峰(262)

主 编:王 华 副 主 编:杨 勇

责任编辑:禹华珍 杨 勇 刘江霞 沈文祺

英文审稿:葛亚非 绘 图:何建华 沈文祺

期刊基本参数:CN42-1240/P*1982*b*A4*266*zh*P*¥25.00*1000*37*2017-9

GEOLOGICAL SCIENCE AND TECHNOLOGY INFORMATION

(Bimonthly)

Vol. 36 No. 5 Sep. 2017

CONTENTS

- Design of a Geochemical Data Processing Model Based on ArcGIS Model Builder and Its Application in Morocco
Geochemical Mapping Project... *Liu Jiangtao, Wu Fafu, Wang Jianxiong, Xiang Yunchuan, El Hmidi Khalid* (1)
- Grain Size Distribution and Its Significance of the Xiashu Loess in Nanjing-Zhenjiang Area
..... *Chen Pujiao, Zheng Xiangmin, Zhou Limin, Liu Feng* (7)
- Review of Late Quaternary Strata Characteristics and Desertification on Mu Su Dune Field in North China
..... *Chu Chunjie, Zhao Jingbo, Wu Nannan, Zhou Jinfeng* (14)
- Geological Structural Characteristics and Evolution Process of the Southern Yiyang in Western Henan
..... *Xu Jianghong, Zheng Deshun, Liu Sicong, Qiao Yu, Wang Zhenjiang, Li Yu* (22)
- Division of Sequence Stratigraphic Framework in Lianglitage Formation in Shunxi Area, Northwestern Tazhong
..... *Tang Peng, Cai Zhongxian, Qi Lixin, Yun Lu, Zhang Heng, Jing Kangkang, He Junyi* (31)
- Mesozoic-Cenozoic Uplift-Exhumation History of East Qinling: The Record of Detrital Apatite Fission Track Data
in Luonan and Shanyang Basins *Xu Shizhao, Yu Shangjiang, Li Wei, Ning Aojie, Zheng Chengpeng* (40)
- Formation and Development of Karst Cave Pothole Forms: An Example from Xiangshui Cave in Suiyang
County, Guizhou Province *Zhang Jie, Zhou Zhongfa, Pan Yanxi, Yin Chao,*
Wang Yanlin, Tian Zhonghui, Cao Mingda, Zhang Shaoyun (48)
- Rules of Continental Shale Adsorption in Ordos Basin
..... *Guo Ping, Zhang Wei, Li Yun, Wang Zhouhua, Tian Kaikai* (54)
- Heavy Oil Accumulation Characteristics of the Tsimiroro Oilfield in Morondava Basin, Eastern Africa
..... *He Wenxiang, Jiang Kaixi, Wan Huan, Guo Qingzheng, Li Jingjing, Zhao Caishun* (60)
- Sedimentary Characteristics and Hydrocarbon Accumulation Regularity of the Lower Cretaceous Marine Delta of
Indus River Basin *Chen Xu, Wang Hongmei, Xie Ruijie, Yang Jianfang, Liu Caiqin, Ke Qin* (69)
- Geological Characteristics and Accumulation Model of the Russia Petroleum Basin
..... *Chen Jingyang, Cai Wenjie, Zhang Yang, Long Xu, Wang Tao* (76)
- Reflection and Countermeasure of Fine Reservoir Description in Low Oil Prices
..... *Chen Huanqing, Shi Chengfang, Hu Haiyan, Wu Hongbiao, Cao Chen* (85)
- Characteristics of Deepwater Depositional Systems in Passive Continental-Margin Basin, West Africa
..... *Cheng Tao, Yu Shui, Tao Weixiang, Hao Lihua, Shen Ye, Ma Jinping, Liu Xiaolong* (92)
- Geophysical Comprehensive Evaluation of Hydrocarbon Source Rocks of the Madingo Formation in the Lower
Congo Basin, West Africa *Huang Xing, Yang Xianghua,*
Zhu Hongtao, Deng Yunhua, Kang Hongquan, Wang Bo, Huang Zhong, Zhang Lu (102)
- Petroleum Geological Features and Main Controlling Factors of Hydrocarbon Accumulation in Deepwater Areas
of Cote D'Ivoire Basin, West Africa
..... *Zhang Fenglian, Qu Hongjun, Zhang Gongcheng, Zhao Chong, Feng Yangwei* (112)
- Geochemical Characteristics of Coalbed Gas and Influencing Factors in the South of Qinshui Basin
..... *Xiao Qilin, Zhang Manting, Liu Ying, Ji Yanbo, Dong Zhongjun, Wan Yonggang* (118)
- Favorable Reservoir Forming Conditions of Neogene Fluvial Facies Sandstone in Complicated Fault Block Area;

A Case from Area 4-2 in Nanpu Sag	<i>Wang Zisong, Zhao Longshun, Chen Ji, Song Baoshun, Shang Lin</i>	(125)
Sedimentary Feature and Mode of Gravity Flow in Lacustrine Basin; Example from Ordos Basin and Luanping Basin	<i>Liu Ce, Yu Bingsong, Jiang Rui, Tan Cong, Luo Zhong, Liu Runda</i>	(133)
Hydrogen, Oxygen and Sulfur Isotopic Characteristics and Geological Significance of Sijiagou Gold Deposit, Western Henan	<i>Xu Shukui</i>	(143)
Genetic Mechanism and Rework of Deep-Water Sedimentary Sand and Its Significance for Petroleum Exploration	<i>Chen Yuhang, Zhu Zengwu, Jia Peng, Sun Xiaoguang, Wang Jun</i>	(148)
Lithofacies and Depositional Setting of the Lower Cambrian Organic-Rich Shale of the Lower Yangtze Region, China	<i>Fan Jiali</i>	(156)
Geological Characteristics and Fluid Inclusions of Malangle Copper Deposit in Zhongba County, Tibet	<i>Luan Kang, Zheng Youye, Gao Shunbao, Wu Denghao, Gong Xuepeng, Tian Kan, Jiang Junsheng, Zhang Yongchao</i>	(164)
Metallogenic Prediction Based on Comprehensive Information for the Concealed Deposit in Chengde Area	<i>Xie Yingchun, Xiong Shengqing, Dong Shuangfa, Deng Guowu, Wang Bing, Cheng Sisi, Fan Fang, Li Chuanping</i>	(173)
Prospecting Thinking and Model of the Dushan Antimony Ore Field, Guizhou Province, China	<i>Pan Jinquan, Sun Jun, Shen Weijia, Chen Zhaoshi, Wu Denghao</i>	(181)
Geological Features and Prospecting Potential of Luojiachong Tungsten Deposit in Chengbu County, Hunan Province	<i>Du Yun, Luo Xiaoya, Huang Gefei, Tian Lei, Wang Jingyuan, Fan Hui, Zhou Litong</i>	(187)
Hydrothermal Alteration in the Axi Gold Deposit, Western Tianshan	<i>Liu Zhankun, Mao Xiancheng, Pan Min, He Pingxian</i>	(195)
Effects of Initial Water Content on the Rainfall Infiltration and Stability of Shallow Landslide	<i>Tang Yang, Yin Kunlong, Xia Hui</i>	(204)
Maximum Pile Spacing of Stabilizing Piles in Multilayer Sliding Mass Based on Unified Strength Theory	<i>Zhang Haikuan, Zhang You, Liu Tao, Li Changdong</i>	(209)
Artisanal Gold Mining Related Mercury Pollution in Soils and Atmosphere in Mountains in Dehua County, Fujian Province	<i>Qiao Shengying, Liu Jiang, Hu Fangyang, Zhang Xi, Ning Qiangqiang, Lü Chuan, Wang Hanbo</i>	(216)
Numerical Simulation of Roller Bit Tooth Wear...	<i>Deng Rong, Li Xiangdong, Feng Bo, Qiu Shunzuo, Li Menghua</i>	(222)
Characteristics of Rock Drilling and the Effect of Diamond Bits Used in the Key Metallogenic Belt in East Kunlun, Qinghai	<i>Gao Yuanhong, Liang Jian, Liu Peng, Pan Bingsuo, Liu Haisheng, Ying Chunye</i>	(228)
Drilling Technologies of "Chenke-1 well" for the Background Value Survey of Coral Reef in South China Sea	<i>Song Jiwei, Jiang Guosheng, Li Yong</i>	(232)
Comprehensive Geophysical Methods for Well Exploration and Development in Wumeng Mountain	<i>Li Fu, Deng Guoshi, Wang Dewei, Zhou Yimin, Tang Yeqi</i>	(238)
Under Compacted Low-Velocity Shale Influence on Seismic Reflection and AVO Features	<i>Li Fang, Deng Yong, Liu Shiyou, Liao Jian</i>	(244)
Seismic Exploration of Volcanic Craters in Shunnan Area, Tarim Basin and Its Relationship with Oil and Gas	<i>Li Kunbai, Lü Haitao, Pu Renhai, Cao Zicheng, Xu Pengye</i>	(249)
Application of Optimized MCG to Multiple Attenuation Based on Wavefield Extrapolation	<i>Ouyang Min, Wang Dawei, Yang Wenbo, Deng Cong, Li Lie, Li Lin, Chai Jitang</i>	(256)
Applications and Development Prospect of Distributed Acoustic Sensing Technology in Oilfields	<i>Liu Junrong, Shi Weixin, Li Boyu, Zhou Feng</i>	(262)

Chief Editor: Wang Hua

Deputy Chief Editor: Yang Yong

Executive Editors: Yu Huazhen Yang Yong Liu Jiangxia Shen Wenqi