

# 地质科学

DIZHI KEXUE

第56卷 第4期 2021年10月

## 目次

一种新的构造缝洞体系——褶溶体 .....	钟建华 李阳 袁向春
.....毛 毳 牛永斌 魏荷花 高剑波 倪良田 孙宁亮 薛纯琦	
.....窦松林 刘瑀鑫 任凯旋 圣朋朋 王宇航 张继震 牟冠华(1001)	
塔里木盆地中部满深1断裂带的多期断裂活动 .....	黄少英 张玮 罗彩明
.....李曰俊 李洪辉 周慧 李程 吴根耀 黄智斌 刘亚雷 文磊(1015)	
莺歌海盆地乐东斜坡区乐东A构造储层超压形成机制及其对天然气成藏的启示 .....	
.....李超 罗晓容 范彩伟 张立宽 刘爱群 李虎 李俊(1034)	
基于分频智能反演的储层预测研究——以大庆黑鱼泡南部探区为例 .....	姜振海(1052)
西湖凹陷平湖组碳酸盐胶结物形成机制及其对储层的影响 .....	
.....肖晓光 秦兰芝 张武 姜雪 谢晶晶(1062)	
阿曼山西侧前陆区构造演化特征及地质意义 .....	
.....张宁宁 姚根顺 王建君 段海岗 何金有 吴义平 王燕坤(1077)	
鄂尔多斯盆地东南部延安气田石炭系一二叠系沉积演化模式 .....	
.....王若谷 周进松 杜永慧 李文厚(1088)	
鄂尔多斯盆地侏罗纪沉积体系及古地理演化 .....	
.....张倩 李文厚 刘文汇 李兆雨 白金莉 杨博(1106)	
汾渭盆地古近系—新近系沉积特征 .....	李兆雨 李永项 李文厚
.....李智超 李玉宏 张倩 杨博 白金莉(1120)	
渭河盆地固市凹陷新近系沉积古环境恢复 .....	李克永 徐帅康 李文厚 马瑶(1134)
含方沸石凝灰质豆粒灰岩的成因及地质意义——以准噶尔东部中二叠统平地泉组为例 .....	
.....樊婷婷 柳益群 李红 车飞翔 杨皓凯(1147)	
塔木察格盆地塔南凹陷下白垩统烃源岩有机地球化学特征 .....	袁红旗 耿乐 袁伟 于英华(1165)
阿尔金山东段黑沟脑侵入体地球化学特征及锆石U-Pb年龄 .....	
.....李小强 王军 张海峰 胡永兴 王海博(1176)	
新疆温泉南部哈尔达坂石英二长岩年代学、地球化学及构造意义 .....	
.....张宇昕 亚夏尔·亚力坤 张博文 展新忠 侯丹凤(1192)	
六盘山盆地南部下白垩统烃源岩地球化学特征与生烃演化研究 .....	蔡利飘(1214)
江南造山带黟县复式岩体的成因研究 .....	陈秀其 杜建国 张达玉
.....徐锦龙 王俊涛 侯克斌 汪雅菲 吴昊 葛海影 沈仕豪(1227)	
基于历史地震数据的建筑物致死性水平研究 .....	聂高众 夏朝旭 范熙伟 李华玥(1250)
山西断陷带南部三维P波速度结构及地震分布特征 .....	
.....张娜 黄金刚 魏越超 李晓锐 王霞 殷伟伟(1267)	
中更新世以来松嫩平原夏季风演化：来自哈尔滨黄土的磁化率、地球化学和总有机碳记录 .....	
.....刘硕 迟云平 郝冬梅 谢远云 康春国 吴鹏(1279)	
《地质科学》2021年第56卷总目次 .....	(1299)

(责任编辑：王军芝；编辑：李晓杰)

**CHINESE JOURNAL OF GEOLOGY**  
**(SCIENTIA GEOLOGICA SINICA)**  
**(DIZHI KEXUE)**  
**Vol.56, No.4, October, 2021**

**CONTENTS**

A new structure-cave system: Fold-cave composite .....Zhong Jianhua Li Yang Yuan Xiangchun  
.....Mao Cui Niu Yongbing Wei Hehua Gao Jianbo  
..... Ni Liangtian Sun Ningliang Xue Chunqi Dou Songlin Liu Yuxin  
.....Ren Kaixuan Sheng Pengpeng Wang Yuhang Zhang Jizhen Mu Guanhua (1014)

The faults and faulting phases of the Manshen-1 fault belt, central Tarim Basin .....  
..... Huang Shaoying Zhang Wei Luo Caiming Li Yuejun Li Honghui  
.....Zhou Hui Li Cheng Wu Genyao Huang Zhibin Liu Yalei Wen Lei (1033)

Generation mechanism of overpressure and its implication for natural gas accumulation in Miocene reservoir  
in Ledong A structure, Ledong slope, Yinggehai Basin .....  
.....Li Chao Luo Xiaorong Fan Caiwei Zhang Likuan Liu Aiqun Li Hu Li Jun (1051)

Research on reservoir prediction based on frequency-divided intelligent inversion: A case study from southern  
exploration area of Heiyupao in Daqing .....Jiang Zhenhai (1061)

The origin of carbonate cements and the influence on reservoir quality of Pinghu Formation in Xihu Sag  
..... Xiao Xiaoguang Qin Lanzhi Zhang Wu Jiang Xue Xie Jingjing (1076)

Western foreland of the northern Oman Mountains: Structural evolution and geological significance  
..... Zhang Ningning Yao Genshun Wang Jianjun  
.....Duan Haigang He Jinyou Wu Yiping Wang Yankun (1087)

Deposition evolution model of the Carboniferous-Permian in Yan'an gas field, the southeastern Ordos  
Basin .....Wang Ruogu Zhou Jinsong Du Yonghui Li Wenhou (1105)

Jurassic sedimentary system and paleogeographic evolution of Ordos Basin .....  
.....Zhang Qian Li Wenhou Liu Wenhui Li Zhaoyu Bai Jinli Yang Bo (1119)

Sedimentary characteristics of Paleogene-Neogene in Fenwei Basin .....Li Zhaoyu Li Yongxiang  
..... Li Wenhou Li Zhichao Li Yuhong Zhang Qian Yang Bo Bai Jinli (1133)

Restoration of Neogene sedimentary paleoenvironment in Gushi Sag, Weihe Basin .....  
..... Li Keyong Xu Shuaikang Li Wenhou Ma Yao (1146)

Origin and geological significance of analcime-bearing tuffaceous pisolitic limestone: Example from  
Guadalupian Pingdiqian Formation, eastern Junggar Basin .....  
..... Fan Tingting Liu Yiqun Li Hong Che Feixiang Yang Haokai (1164)

Organic geochemical characteristics of Lower Cretaceous source rocks in Ta'nan Sag, Tamtsag Basin .....  
..... Yuan Hongqi Geng Le Yuan Wei Yu Yinghua (1175)

Geochemical characteristics and zircon U-Pb age of the Heigounao intrusive in the eastern part of the Altun Mountains .....	Li Xiaoqiang Wang Jun Zhang Haifeng Hu Yongxing Wang haibo (1191)
Geochronology, geochemistry and tectonic significance of quartz monzonite in Hardaban, southern Wenquan, Xinjiang .....	Zhang Yuxin Yaxiaer·Yalikun Zhang Bowen Zhan Xinzhong Hou Danfeng (1213)
Study on geochemistry and hydrocarbon generation evolution characteristics of Lower Cretaceous source rocks in southern Liupanshan Basin .....	Cai Lipiao (1226)
Genesis of the Yixian complex pluton in the Jiangnan orogenic belt .....	Chen Xiuqi Du Jianguo Zhang Dayu Xu Jinlong ..... Wang Juntao Hou Kebin Wang Yafei Wu Hao Ge Haiying Shen Shihao (1249)
Research on the lethal level of buildings based on historical seismic data .....	Nie Gaozhong Xia Chaoxu Fan Xiwei Li Huayue (1266)
Three dimensional P-wave velocity structure and seismic distribution characteristics in southern Shanxi fault rift zone .....	Zhang Na Huang Jingang Wei Yuechao Li Xiaorui Wang Xia Yin Weiwei (1277)
Evolution of summer monsoon in Songnen Plain since Middle Pleistocene: Magnetic susceptibility, geochemistry and total organic carbon records from Harbin loess .....	Liu Shuo Chi Yunping ..... Hao Dongmei Xie Yuanyun Kang Chunguo Wu Peng (1297)

( Executive Editor: Wang Junzhi and Li Xiaojie )