

沉 积 学 报

Chenji Xuebao
第 40 卷 第 1 期 2022 年 2 月

目 次

· 非常规油气沉积学 ·

- 富有机质泥页岩微纳米孔隙系统演化特征及模式研究新进展 徐良伟, 杨克基, 鲁文婷, 李霄, 魏浩(1)
盐构造与深水重力流的相互作用及响应——以墨西哥湾 Sureste 盆地中新统为例
侯云超, 樊太亮, 李一凡, 蔡文杰, 王宏语, 刘隆隆, 尹思琪, 李冬(22)
湖相重力流沉积特征及沉积模式——以下刚果盆地 A 区块白垩系 Pointe Indienne 组为例
余烨, 蔡灵慧, 尹太举, 张兴强, 许泓, 黄俨然, 曹涛涛(34)
鄂尔多斯盆地东缘大宁—吉县地区山西组页岩岩相与沉积相特征
彭思钟, 刘德勋, 张磊夫, 邱振, 王以城, 封从军, 孙萌思(47)
中阶构造煤等温吸附/解吸特征及机理 王琳琳, 龙正江, 朱冠宇(60)
四川盆地志留系页岩成岩特征及其对孔隙发育与保存的控制 卢龙飞, 刘伟新, 魏志红, 潘安阳, 张庆珍, 腾格尔(73)

· 沉积与沉积矿产 ·

- 胞外聚合物在蓝细菌钙化过程中的作用及其地质意义 钟怡江, 文华国, 陈洪德, 刘磊, 陈安清, 王兴龙, 王志伟, 白璇(88)
碎屑锆石 U-Pb 年龄有效性初探——以青藏高原东北缘酒西盆地为例 王亚东, 张涛, 袁四化, 刘晓燕(106)

· 现代沉积与环境 ·

- 珠江三角洲西缘晚第四纪沉积演化和最大海侵古岸线的重建 周良, 王洋, 杜学斌, 卜建军, 吴俊, 吕万军, 刘秀娟(119)
陆架边缘海环境下金属元素与有机质富集关系探讨——以南黄海表层沉积物为例
裴宇, 张生银, 房媛, 陈永欣, 张顺存, 邵明, 雷天柱(136)
黄河和长江沉积角闪石亲石元素地球化学特征对比与物源辨识 金秉福, 党丽丽, 孔庆祥, 王孟瑶, 岳伟, 樊水森(149)

· 油气地质、地球化学 ·

- 冲断带构造作用控制下的分支河流体系特征及其成因分析——以塔里木盆地西北缘柯坪地区为例
黄若鑫, 张昌民, 冯文杰(166)
河口湾潮坪潮汐水道发育特征及地质意义——以钱塘江为例 郭茂恒, 史书婷, 金振奎, 李阳, 王金艺, 任奕霖, 王凌(182)
玛湖凹陷西斜坡区三叠系白碱滩组沉积特征 刘文锋, 张小栓, 刘瑾铭, 艾力曼·道尔吉, 杨远峰(192)
南堡凹陷深层储层成岩作用与孔隙演化——以 3 号构造带古近系沙一段为例 杨佳奇, 纪友亮, 吴浩, 孟令箭(203)
川中高石梯地区灯四段藻丘类型与沉积模式 郭恒玮, 伏美燕, 宋荣彩, 刘文, 赵亮, 沈秋媛(217)
深水沉积差异及其对油气分布影响——以尼日尔三角洲盆地东西部深水扇为例 蔡露露, 谢晓军, 李建平, 廖计华(229)
转换大陆边缘盆地深水浊积砂岩油气成藏差异性研究——以西非北段科特迪瓦盆地为例
孔令武, 赵红岩, 梁建设, 程涛, 王嘉, 赵佳奇, 喻英梅(244)
巴基斯坦 N 区块浪控三角洲沉积相划分及模式 陈旭, 欧荣生, 斯尚华, 董玉文, 柯钦(255)
苏里格气田西区地层水成因、分布规律与控制因素 杨仁超, 董亮, 张吉, 王一, 樊爱萍(267)
封面照片: 黑龙江大兴安岭地区现代曲流河地貌航拍(2021 年 7 月, 邹才能摄)

ACTA SEDIMENTOLOGICA SINICA

Vol.40 No.1 Feb. 2022

CONTENTS

New Research Progress on Organic-rich Shale Micro- and Nanoscale Pore System Evolution Characteristics and Models	XU LiangWei, YANG KeJi, LU WenTing, LI Xiao, WEI Hao(1)
Interactions and Responses Between Salt Structures and Deep Water Gravity Flow: A case study from the Miocene strata in the Sureste Basin, Gulf of Mexico	HOU YunChao, FAN TaiLiang, LI YiFan, CAI WenJie, WANG HongYu, LIU LongLong, YIN SiQi, LI Dong(22)
Sedimentary Characteristics and Depositional Model of Lacustrine Gravity Flow Deposits: A case study of the Cretaceous Pointe Indienne Formation of Block A, Lower Congo Basin	YU Ye, CAI LingHui, YIN TaiJu, ZHANG XingQiang, XU Hong, HUANG YanRan, CAO TaoTao(34)
Shale Lithofacies and Sedimentary Facies of the Permian Shanxi Formation, Daning-Jixian Area, Eastern Margin of Ordos Basin	PENG SiZhong, LIU DeXun, ZHANG LeiFu, QIU Zhen, WANG YiCheng, FENG CongJun, SUN MengSi(47)
Isothermal Adsorption/Desorption Characteristics, and Mechanism of Tectonically Deformed Medium-rank Coals	WANG LinLin, LONG ZhengJiang, ZHU GuanYu(60)
Diagenesis of the Silurian Shale, Sichuan Basin: Focus on pore development and preservation	LU LongFei, LIU WeiXin, WEI ZhiHong, PAN AnYang, ZHANG QingZhen, Tenger(73)
The Role of Extracellular Polymeric Substances in Cyanobacterial Calcification and Its Geological Significance	ZHONG YiJiang, WEN HuaGuo, CHEN HongDe, LIU Lei, CHEN AnQing, WANG XingLong, WANG ZhiWei, BAI Xuan(88)
Preliminary Study of Validity of Detrital Zircon U-Pb Dating: A case study of Jiuxi Basin, NE Tibetan Plateau	WANG YaDong, ZHANG Tao, YUAN SiHua, LIU XiaoYan(106)
Sedimentary Evolution and Reconstruction of Maximum Coastline Transgression During the Late Quaternary at the Western Margin of the Pearl River Delta	ZHOU Liang, WANG Yang, DU XueBin, BU JianJun, WU Jun, LÜ WanJun, LIU XiuJuan(119)
Relationship Between Metallic Elements and Organic Matter Enrichment in Self-margin Seas: Example from surface sediments in the South Yellow Sea	PEI Yu, ZHANG ShengYin, FANG Xuan, CHEN YongXin, ZHANG ShunCun, SHAO Ming, LEI TianZhu(136)
Comparison of Geochemical Characteristics of Lithophile Elements of Amphibole: Identification of estuarine sediment provenance, Huanghe River and Changjiang River	JIN BingFu, DANG LiLi, KONG QingXiang, WANG MengYao, YUE Wei, FAN ShuiMiao(149)
Characteristics and Factor Analysis of Distributive Fluvial Systems due to Tectonic Thrust Belt Activity: Example of Keping area, north-western Tarim Basin	HUANG RuoXin, ZHANG ChangMin, FENG WenJie(166)
Characteristics and Geological Significance of Tidal Channels in an Estuarine Tidal Flat: A case study from the Qiantang river estuary	GUO QiHeng, SHI ShutTing, JIN ZhenKui, LI Yang, WANG JinYi, REN YiLin, WANG Ling(182)
Sedimentary Characteristics of the Triassic Baijiantan Formation in the Western Slope Area of the Mahu Depression	LIU WenFeng, ZHANG XiaoShuan, LIU JinMing, Dorji Elliman, YANG YuanFeng(192)
Diagenesis and Porosity Evolution of Deep Reservoirs in the Nanpu Sag: A case study of Sha 1 Member of the Paleogene in No. 3 structural belt	YANG JiaQi, JI YouLiang, WU Hao, MENG LingJian(203)
Algal Type and Sedimentary Model of the 4th Member, Dengying Formation in the Gaoshiti Area of Chuanzhong	GUO HengWei, FU MeiYan, SONG RongCai, LIU Wen, ZHAO Liang, SHEN QiuYuan(217)
Influence of Different Modes of Deep-water Sedimentation on Oil and Gas Distribution: A case study of deep-water fans in eastern and western Niger Delta Basin	CAI LuLu, XIE XiaoJun, LI JianPing, LIAO JiHua(229)
Differences in Hydrocarbon Accumulation of Deep-water Turbidite Sandstone in a Transform Continental Margin Basin: A case study of Côte d'Ivoire Basin, West Africa	KONG LingWu, ZHAO HongYan, LIANG JianShe, CHENG Tao, WANG Jia, ZHAO JiaQi, YU YingMei(244)
Sedimentary Facies Division and Model of Wave-Controlled Delta of N Block, Pakistan	CHEN Xu, OU RongSheng, SI ShangHua, DONG YuWen, KE Qin(255)
Origin, Distribution and Controlling Factors of Stratigraphic Water in the Western Sulige Gas Field	YANG RenChao, DONG Liang, ZHANG Ji, WANG Yi, FAN AiPing(267)